ENDOCRINOLOGY INDEX

National Institute of Arthritis,
Metabolism, and Digestive Diseases

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

Public Health Service

National Institutes of Health

MARCH-APRIL 1979
VOLUME 12, NO. 2

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

DISTRIBUTION

This publication is available free to National Institutes of Health grantees and contractors working in the field of endocrinology and libraries of medical schools. Requests from these qualified individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications should be addressed to:

Scientific Communications Section
Endocrinology Index
National Institute of Arthritis,
Metabolism, and Digestive Diseases
National Institutes of Health
Bethesda, Maryland 20205

Other individuals and libraries may receive this publication by subscribing directly to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. One year's subscription includes six bimonthly issues. Subscription price per year in the United States and its possessions: $10.00; foreign, $10.00 additional; and $6.75 for a single copy in the United States and its possessions; foreign, $1.70 additional. Payment is required in advance, and check or money order should be made payable to the Superintendent of Documents.

ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

Edited by
Billie B. Mackey

Editorial Advisors

Grant W. Liddle, M.D.

Gerald D. Aurbach, M.D.
Robert W. Bates, Ph.D.
Nicholas P. Christy, M.D.
Melvin M. Grumbach, M.D.
Joseph L. Izzo, M.D.
Seymour Lieberman, Ph.D.
Jacob Robbins, M.D.
Kenneth J. Ryan, M.D.

ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS).

NIH Publication No. 79-273

ISSN 0013-7235

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981

Table of Contents

CATEGORY 1: PITUITARY

		Page
I.	Physical and Functional Aspects	
	Pituitary Function Tests	1
	Pituitary-Adrenal Function Tests (See CATEGORY 3: ADRENAL)	
	Pituitary Gland	1
	Pituitary Gland, Anterior	3
	Pituitary Gland, Posterior	5
	Pituitary Irradiation	5
II.	Disorders of the Pituitary Gland	
	Acromegaly	6
	Adenoma, Basophilic	6
	Adenoma, Chromophobe	6
	Adenoma, Eosinophilic	7
	Chiari-Frommel Syndrome	7
	Craniopharyngioma	7
	Diabetes Insipidus	7
	Dwarfism*	8
	Dwarfism, Pituitary	9
	Empty Sella Syndrome	9
	Froehlich's Syndrome	-
	Gigantism	9
	Hyperpituitarism*	9
	Hypopituitarism*	9
	Inappropriate ADH Syndrome	9
	Infantilism	10
	Nelson's Syndrome	12
	Pituitary Diseases*	10
	Pituitary Gland, Abnormalities and Injuries	-
	Pituitary Gland, Anterior, Abnormalities and Injuries	-
	Pituitary Gland, Posterior, Abnormalities and Injuries	-
	Pituitary Neoplasms*	10
III.	Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs	
	Argipressin	13
	Corticotropin (ACTH)	13
	Cosyntropin	15
	Desmopressin	15
	Felypressin	-
	Follicle Stimulating Hormone (FSH)	15
	Gonadotropins*	18
	Gonadotropins, Pituitary*	19
	Luteinizing Hormone (LH), (ICSH)	19
	Lipotropins	24
	Lypressin	24

*See also more specific terms

Page

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
Menotropins 24
Melanocyte Stimulating Hormone (MSH) 24
Neurophysins 25
Ornipressin . . . . . -
Oxytocics 25
Oxytocin 25
Pituitary Hormones* 26
Pituitary Hormones, Anterior* 26
Pituitary Hormones, Posterior* 26
Pituitrin . . . . . -
Prolactin 26
Somatotropin (GH) 30
Thyrotropin (TSH) 33
Tocinamide . . . . . -
Tocinoic Acid . . . . . -
Vasopressins 35
Vasotocin 36

IV. Related Topics
Cyclofenil (F6066) 37
Hypophysectomy 37
Lactation 37
Somatomedin (Sulfation Factor) 38

CATEGORY 2: THYROID

I. Physical and Functional Aspects
Thyroid Function Tests* 39
Basal Metabolism (See SUBJECT INDEX)
Protein Bound Iodine Test (See V. Related Topics)
Thyroid Gland 39
Thyroidectomy 42

II. Disorders of the Thyroid Gland
Cretinism 44
Goiter* 44
Goiter, Endemic 44
Goiter, Exophthalmic 45
Goiter, Nodular 45
Goiter, Substernal 46
Hyperthyroidism* 46
Hypothyroidism* 49
Myxedema 51
Thyroid Crisis 51
Thyroid Diseases* 52
Thyroid Gland, Abnormalities and Injuries 53
Thyroid Neoplasms 53
Thyroiditis 55
Thyroiditis, Lymphomatous 55

*See also more specific terms

Page

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs
Calcitonin (See CATEGORY 6: PARATHYROID AND BONE)
Dextrothyroxine . . . 57
Diiodothyronines . . . 57
Diiodotyrosine . . . 57
Iodotyrosine . . . -
Thyroglobulin . . . 57
Thyroid Hormones* . . . 57
Thyronines . . . 58
Thyroxine . . . 59
Triiodothyronine . . . 61
Triiodothyronine, Reverse . . . 63

IV. Thyroid Antagonists and Inhibitors
Carbimazole . . . 64
Methimazole . . . 64
Methylthiouracil . . . 64
Propylthiouracil . . . 64
Thiouracil . . . 64
Thyroid Antagonists* . . . 64

V. Related Topics
Exophthalmos . . . 66
Exophthalmos Producing Substances (EPS) . . . -
Iodides . . . 66
Iodine . . . 66
Iodoproteins . . . -
Long-Acting Thyroid Stimulator (LATS) . . . 67
Protein-Bound Iodine Test . . . 67
Thyroxine Binding Protein . . . 68

CATEGORY 3: ADRENAL

I. Physical and Functional Aspects
Adrenal Cortex . . . 69
Adrenal Cortex Function Tests . . . 70
Adrenal Glands . . . 71
Adrenalectomy . . . 73
Pituitary-Adrenal Function Tests . . . -

II. Disorders of the Adrenal Glands
Addison's Disease . . . 74
Adenoma, Virilizing . . . 74
Adrenal Cortex Abnormalities and Injuries . . . -
Adrenal Cortex Diseases . . . 74
Adrenal Cortex Neoplasms . . . 74
Adrenal Cortical Rest Tumor . . . 75

*See also more specific terms

Page

II. Disorders of the Adrenal Glands (Continued)
Adrenal Gland Diseases* 75
Adrenal Gland Hyperfunction* 75
Adrenal Gland Hypofunction* 76
Adrenal Gland Neoplasms* 76
Adrenal Glands, Abnormalities and Injuries . . . . . -
Adrenogenital Syndrome 78
Bartter's Disease 78
Cushing's Syndrome 78
Hyperaldosteronism 79
Waterhouse-Friderichsen Syndrome . . . . . -

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs
Adrenal Cortex Hormones* 81
Aldosterone 83
Aldosterone Antagonists 85
Androgens* (See CATEGORY 4: GONADS)
Androstanes* (See CATEGORY 4: GONADS)
Androstenedione 85
Androsterone 86
Beclomethasone 86
Betamethasone 86
Betamethasone 17-Valerate 86
Clobetasol 86
Corticosterone 86
Cortisone 88
Dehydroepiandrosterone 88
Desoxycorticosterone 89
Dexamethasone 89
Estranes* (See CATEGORY 4: GONADS)
Estrogens* (See CATEGORY 4: GONADS)
Estrone 90
Etiocholanolone 91
Fludrocortisone 91
Flumethasone . . . . . -
Fluocinolone Acetonide 92
Fluocinonide 92
Fluocortolone 92
Fluorometholone . . . . . -
Fluprednisolone . . . . . -
Flurandrenolone . . . . . -
Glucocorticoids* 92
Hydrocortisone 93
Hydrocortisone, Topical 96
Hydroxycorticosteroids 96
11-Hydroxycorticosteroids 96
17-Hydroxycorticosteroids 96
11-Hydroxycorticosteroids, Synthetic 97
18-Hydroxycorticosterone 97

*See also more specific terms

Page

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)
18-Hydroxydesoxycorticosterone 97
Hydroxycorticosteroids, Synthetic . . . . . -
Hydroxypregnenolone 97
Hydroxyprogesterone (See CATEGORY 4: GONADS)
Kestosteroids 97
17-Ketosteroids 97
Methylprednisolone 98
Mineralocorticoids* 98
Paramethasone . . . . . -
Prednisolone 98
Prednisolone, Topical . . . . . -
Prednisone 98
Pregnanediol (See CATEGORY 4: GONADS)
Pregnanes* (See CATEGORY 4: GONADS)
Pregnanetriol 99
Pregnenes (See CATEGORY 4: GONADS)
Pregnenolone (See CATEGORY 4: GONADS)
Progesterone (See CATEGORY 4: GONADS)
Tetrahydrocortisol 99
Tetrahydrocortisone . . . . . -
Triamcinolone . . . . . -
Triamcinolone Acetonide 99

IV. Related Topics
Aminoglutethimide 100
DDD . . . . . -
Metyrapone 100
Pituitary-Adrenal System 100
Renin 101
Spironolactone 103
Transcortin 104

V. Adrenal Medulla
Adrenal Medulla 105
Adrenochrome 109
Catecholamines* 106
Chromaffin Granules 106
Chromaffin System 106
Dopa 107
Dopamine 107
Epinephrine 107
Hydroxydopamine . . . . . -
Isoproterenol 107
Levodopa 107
Metanephrine . . . . . -
Methyldopa . . . . . -

*See also more specific terms

Page

V. Adrenal Medulla (Continued)
Methyldopahydrazine . . . . . -
Methylnorepinephrine . . . . . -
Norepinephrine 107
Normetanephrine 108
Pheochromocytoma 108
Vanilmandelic Acid 109

CATEGORY 4: GONADS

I. Physical and Functional Aspects
Gonads* 111
Ovary
Corpus Luteum 112
Graafian Follicle 113
Granulosa Cells 114
Lutein Cells 114
Ovary* 115
Theca Cells 118
Testis
Leydig Cells 119
Sertoli Cells 119
Testis* 119

II. Disorders of the Gonads
Arrhenoblastoma 124
Bonnevie-Ullrich Syndrome . . . . . -
Brenner Tumor . . . . . -
Corpus Luteum, Abnormalities and Injuries . . . . . -
Corpus Luteum Cyst . . . . . -
Cryptorchism 124
Dysgerminoma 124
Eunuchism . . . . . -
Gonads, Abnormalities and Injuries 125
Graafian Follicle, Abnormalities and Injuries . . . . . -
Granulosa Cell Tumor 125
Gynandroblastoma . . . . . -
Hermaphroditism 125
Hypogonadism* 125
Infantilism (See CATEGORY 1: PITUITARY)
Klinefelter's Syndrome 126
Leydig Cells, Abnormalities and Injuries . . . . . -
Leydig Cell Tumor 127
Meigs' Syndrome . . . . . -
Noonan Syndrome 127
Ovarian Cysts 127
Ovarian Diseases* 127
Ovarian Neoplasms* 128
Ovary, Abnormalities and Injuries 130
Prader-Willi Syndrome 130

*See also more specific terms

Page

II. Disorders of the Gonads (Continued)
Pseudohermaphroditism 130
Puberty, Precocious 130
Sertoli Cell Tumor 130
Sertoli Cells, Abnormalities and Injuries . . . . . -
Sex Chromosome Abnormalities 131
Sex Differentiation Disorders 131
Stein-Leventhal Syndrome 132
Struma Ovarii 132
Testicular Diseases* 132
Testicular Feminization 132
Testicular Neoplasms* 132
Testis, Abnormalities and Injuries 134
Theca Cell Tumor 134
Turner's Syndrome 134

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs
Algestone Acetophenide . . . . . -
Alphasone . . . . . -
Anabolic Steroids* 135
Androgen Antagonists 135
Androgens* 135
Androstanes* 136
Androstenes* 137
Androstenols 137
Androsterone (See CATEGORY 3: ADRENAL)
Chlormadinone 137
Chlorotrianisene . . . . . -
Clomiphene 137
Contraceptives, Oral* 137
Contraceptives, Oral, Hormonal 139
Contraceptives, Postcoital 139
Corpus Luteum Hormones . . . . . -
Cronolone . . . . . -
Cyproterone 139
Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)
Diethylstilbestrol 140
Dihydroxyprogesterone . . . . . -
Dimethisterone . . . . . -
Dromostanolone 141
Dydrogesterone 141
Estradiol 141
Estradiol Antagonists 145
Estranes 146
Estriol 146
Estrogen Antagonists 146
Estrogenic Substances, Conjugated 147
Estrogens* 147
Estrogens Synthetic 150

*See also more specific terms

Page

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs (Continued)

Ethinyl Estradiol 150
Ethisterone . . . . . -
Ethylestrenol 151
Ethynodiol Diacetate 151
Etiocholanolone (See CATEGORY 3: ADRENAL)
Fertility Agents . . . . . -
Fertility Agents, Female, Hormonal . . . . . -
Fertility Agents, Male, Hormonal . . . . . -
Fluorometholone . . . . . -
Fluoxymesterone 151
Gonanes* . . . . . -
Hexestrol 151
Hydroxyestrones . . . . . -
Hydroxymethyltestosterone . . . . . -
Hydroxyprogesterones 151
Hydroxytestosterones 152
17-Ketosteroids (See CATEGORY 3: ADRENAL)
Lynestrenol 152
Medroxyprogesterone 152
Megestrol 152
Mestranol 153
Methandrostenolone 153
Methenolone . . . . . -
Methyltestosterone 153
Nandrolone 153
Norethandrolone 153
Norethindrone 154
Norethynodrel 154
Norgestrel 154
Normethandrolone . . . . . -
Oxandrolone 155
Oxymetholone 155
Pregnanediol 155
Pregnanes* 155
Pregnanetriol (See CATEGORY 3: ADRENAL)
Pregnenes* . . . . . -
Pregnenolone 155
Progestational Hormones 156
Progestational Hormones, Synthetic 156
Progesterone 157
Relaxin 161
Sex Hormones* 161
Stanolone 162
Stanozolol 163
Testolactone . . . . . -
Testosterone 163

*See also more specific terms

Page

IV. Related Topics
Castration 168
Estrus 168
Feminization 169
Lactation (See CATEGORY 1: PITUITARY)
Ovulation 169
Ovulation Induction 169
Puberty 169
Sex Chromatin 170
Sex Chromosomes 170
Sex Determination 171
Sex Reversal, Gonadal 171

CATEGORY 5: PLACENTA

I. Physical and Functional Aspects 173
Placental Function Tests 174

II. Disorders of the Placenta
Chorioadenoma . . . . . -
Choriocarcinoma 175
Hydatidiform Mole 175
Placenta, Abnormalities and Injuries . . . . . -
Placenta Disorders 175
Trophoblastic Tumor 176

III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs (See also specific terms in CATEGORY 3: ADRENAL and CATEGORY 4: GONADS)
Gonadotropins, Chorionic 177
Gonadotropins, Equine 178
Placental Extracts . . . . . -
Placental Hormones* 179
Placental Lactogen 179
Somatomammotropin 180

CATEGORY 6: PARATHYROID AND BONES

I. Physical and Functional Aspects 181

II. Disorders of the Parathyroid Glands
DiGeorge Syndrome 183
Hyperparathyroidism 183
Hyperparathyroidism, Secondary 184
Hypoparathyroidism 185
Parathyroid Diseases* 185
Parathyroid Glands, Abnormalities and Injuries 185
Parathyroid Neoplasms 185

*See also more specific terms

Page

III. Parathyroid Hormone 187

IV. Bone Metabolism and Related Topics
Bone and Bones 190
Calcification, Physiologic 193
Calcitonin (Thyrocalcitonin) 194
Calcium Metabolism 195
Cholecalciferols 199
Dihydrotachysterol 199
Dihydroxycholecalciferols 199
Ergocalciferol 200
Hydroxycholecalciferols 200
Hypercalcemia 201
Osteitis Fibrosa Cystica 203
Osteogenesis Imperfecta 203
Osteomalacia 203
Osteopetrosis 203
Osteoporosis 204
Pseudohypoparathyroidism 205
Pseudopseudohypoparathyroidism . . . . . -
Renal Osteodystrophy 205
Rickets 206
Rickets, Vitamin D Resistant 206
Tetany 206
Thyrocalcitonin (See Calcitonin)
Vitamin A 206
Vitamin D 207
Vitamin D Deficiency 207

CATEGORY 7: NEUROENDOCRINOLOGY

I. Physical and Functional Aspects
Amygdaloid Body 209
Hypothalamo-Hypophyseal System 209
Hypothalamus 210
Hypothalamus, Anterior 214
Hypothalamus, Medial 214
Hypothalamus, Posterior 214
Median Eminence 215
Neurosecretory Systems 215
Pineal Body 215

II. Disorders of the Amygdaloid Body
Hypothalamus, Abnormalities and Injuries . . . . . -
Hypothalamus, Anterior, Abnormalities and Injuries . . . . . -
Pinealoma 217

Page

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs
Corticotropin Releasing Hormone (CRH) 218
Endorphins 218
Enkephalins 219
Hypothalamic Hormones 220
LH-FSH Releasing Hormone 221
Melatonin 223
MSH Release Inhibiting Hormone 223
MSH Releasing Hormone 223
Pituitary Hormone Release Inhibiting Hormones 223
Pituitary Hormone Releasing Hormones* 223
Prolactin Release Inhibiting Hormone 224
Prolactin Releasing Hormone 224
Somatotropin Release Inhibiting Hormone 224
Somatotropin Releasing Hormone 225
Thyrotropin Releasing Hormone (TRH) 225

CATEGORY 8: CYCLIC NUCLEOTIDES

Adenosine Cyclic-3', 5'-Monophosphate 229
Guanosine Cyclic-3', 5'-Monophosphate 232

CATEGORY 9: APPENDIX

Adenyl Cyclase 235
Guanyl Cyclase 237
Hormones, Ectopic 237
Neoplastic Endocrine-like Syndromes 238
Nerve Growth Factor 238
Prostaglandins 239
Prostaglandins A 242
Prostaglandins B 242
Prostaglandins D 243
Prostaglandins E 243
Prostaglandins F 247
Prostaglandins G 249
Prostaglandins H 249
Prostaglandins X 250
Receptors, Androgen 251
Receptors, Angiotensin 251
Receptors, Cyclic AMP 252
Receptors, Estrogen 252
Receptors, Glucocorticoid 253
Receptors, Hormone 253
Receptors, Progesterone 255
Receptors, Prostaglandin 255
Receptors, Steroid 255

*See also more specific terms

Page

REVIEW SECTION 257

METHOD SECTION 265

AUTHOR SECTION A-1

SUBJECT INDEX A-307

AUTHOR INDEX A-343

PITUITARY

I. Physical and Functional Aspects

PITUITARY FUNCTION TESTS

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Prediction of response to ergocryptine in the galactorrhea–amenorrhea syndrome. Corenblum B, et al. **Fertil Steril** 30(4):388–92, Oct 78

Selection of patients for human menopausal gonadotropin therapy. Berger MJ. **J Reprod Med** 21(3 Suppl):194–7, Sep 78

Evaluation of the growth hormone exercise test in normal and growth hormone–deficient children. Eisenstein E, et al. **Pediatrics** 62(4):526–8, Oct 78

[Hypothyroidism. Introduction] Bricaire H. **Rev Prat** 28(43):3245–7, 1 Oct 78 **(Fre)**

STANDARDS

Evaluation of the growth hormone exercise test in normal and growth hormone–deficient children. Eisenstein E, et al. **Pediatrics** 62(4):526–8, Oct 78

PITUITARY GLAND

Receptors for 17beta-estradiol in prolactin-secreting rat pituitary cells. Haug E, et al. **Mol Cell Endocrinol** 12(1):81–95, Oct 78

ANALYSIS

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267–73, Jun 78

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

Isolation of prolactin from salmon pituitary. Idler DR, et al. **Gen Comp Endocrinol** 35(4):409–18, Aug 78

Changes in parameters of growth hormone and thyrotrophic hormone, and of thyroid function, during the early postnatal period in the rat. Pascual-Leone AM, et al. **Rev Esp Fisiol** 34(3):301–7, Sep 78

Aldehyde fuchsin staining, direct or after oxidation: problems and remedies, with special reference to human pancreatic B cells, pituitaries, and elastic fibers. Mowry RW. **Stain Technol** 53(3):141–54, May 78 (47 ref.)

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

[Behaviour of the sella turcica in juveniles with severe iron deficiency (author's transl)] Reimann F, et al. **ROEFO** 129(5):598–604, Nov 78 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. Carmel PW, et al. **J Neurosurg** 50(1):75–80, Jan 79

Ultrastructure of capillaries in chromophobe adenoma. Roy S. **Neurol India** 26(2):58–62, Jun 78

Regional arterial blood flow in the primate pituitary gland. Takaoka Y, et al. **Surg Forum** 28:464–6, 1977

CYTOLOGY

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

Effect of amputation and limb regeneration on the pars distalis of the newt, Notophthalmus viridescens. Barber DL, et al. **Experientia** 34(9):1209, 15 Sep 78

[Phase contrast microcinematography: an advantageous method in the hands of the cytochemist. Studies of cultured hypophysis cells] Rappay G. **Acta Histochem [Suppl] (Jena)** 15:373–7, 1975 **(Ger)**

DRUG EFFECTS

Percutaneous cervical cordotomy and the injection of the pituitary with alcohol. Lipton S. **Anaesthesia** 33(10):953–7, Nov-Dec 78

Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364–7, Sep 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431–8, Sep 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

The effect of heroin addiction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67–94. Fuxe K, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Monoamine oxidase activity in the pituitary of mice after estrogen, progesterone and centchroman treatment. Srivastava K, et al. **Indian J Physiol Pharmacol** 22(3):310–2, Jul-Sep 78

PITUITARY

Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235–40, Jul 78

Effect of somatostatin on the concentration of growth hormone in the plasma of foetal sheep. McMillen IC, et al. **J Endocrinol** 78(3):453–4, Sep 78

Plasma LH concentrations after single or double injections of synthetic LH-RH in dairy cows. Foster JP. **J Reprod Fertil** 54(1):119–21, Sep 78

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Krulich L, et al. **Life Sci** 23(16):1665–73, 23 Oct 78

Role of pituitary vasopressin in the formation and dynamics of aqueous humour. Nagasubramanian S. **Trans Ophthalmol Soc UK** 97(4):686–701, Sep 77

[New data on the mechanism of action of clomiphene (news)] Presl J. **Cesk Gynekol** 43(9):717–8, Nov 78 **(Cze)**

[Phase contrast microcinematography: an advantageous method in the hands of the cytochemist. Studies of cultured hypophysis cells] Rappay G. **Acta Histochem [Suppl] (Jena)** 15:373–7, 1975 **(Ger)**

[Influence of haloperidol on the 3H-leucine incorporation in incretory organs of the mouse (author's transl)] Lange E, et al. **Zentralbl Allg Pathol** 122(5):496–501, 1978 (Eng. Abstr.) **(Ger)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

The fetal brain and intrauterine growth. Swaab DF, et al. **Postgrad Med J** 54 Suppl 1:63–73, 1978

ENZYMOLOGY

Activity of adenylate cyclase and phospodiesterase in the pituitary and thyroid during postnatal period in rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 12(3):179–85, Sep 78

Monoamine oxidase activity in the pituitary of mice after estrogen, progesterone and centchroman treatment. Srivastava K, et al. **Indian J Physiol Pharmacol** 22(3):310–2, Jul-Sep 78

GROWTH & DEVELOPMENT

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

Activity of adenylate cyclase and phospodiesterase in the pituitary and thyroid during postnatal period in rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 12(3):179–85, Sep 78

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

IMMUNOLOGY

Immunoperoxidase stains cortisol in adrenal and pituitary. Dornhorst A, et al. **J Histochem Cytochem** 26(11):909–13, Nov 78

METABOLISM

Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364–7, Sep 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et al. **Endocrinol Jpn** 25(4):329–34, Aug 78

Concentrations and chromatographic profile of serum GH in old ob/ob mice. Sinha YN, et al. **Horm Metab Res** 10(5):454–5, Sep 78

Relationship between the accumulation of pituitary growth hormone and nuclear occupancy by triiodothyronine in the rat. Coulombe P, et al. **J Clin Invest** 62(5):1020–8, Nov 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. Eipper BA, et al. **J Supramol Struct** 8(3):247–62, 1978

beta-Endorphin-like immunoreactivity in plasma, pituitaries and hypothalamus of rats following treatment with opiates. Höllt V, et al. **Life Sci** 23(10):1057–65, 11 Sep 78

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

PATHOLOGY

Mammary gland hyperplastic alveolar noduligenesis in the LEW/Mai rat in relation to mitotic activity, estrous cycle status, and age. Purnell DM, et al. **J Natl Cancer Inst** 61(5):1339–46, Nov 78

Hypothalamic-pituitary changes in diabetes insipidus demonstrated by computerised tomography [letter] Manelfe C, et al. **Lancet** 2(8104–5):1379–80, 23–30 Dec 78

[Pathomorphology of hypophysis following local irradiation with protons of 1,000 Mev] Ulitovskiĭ DA, et al. **Radiobiol Radiother (Berl)** 19(3):303–10, Jun 78 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Signe and Ane Gyllenberg Foundation, Helsingfors: Neuroendocrine symposium, September 22–23, 1978, Swedish-Finnish Cultural Centre, Hanaholmen (Esbo), Finland. Abstracts. **Acta Endocrinol [Suppl] (Copenh)** 89(220):3–29, 1978

New evidence that demonstrates that L-pro-L-leu-L-gly-NH2 might be the natural MIF. Vivas A, et al. **Acta Physiol Lat Am** 27(4):177–82, 1977

Intrasellar cysticercosis presenting as a pituitary tumor: successful transsphenoidal cystectomy with preservation of pituitary function. Prosser PR, et al. **Am J Trop Med Hyg** 27(5):976–8, Sep 78

The use of dental development as a measure of school readiness. Silvestro JR, et al. **ASDC J Dent Child** 45(6):455–7, Nov-Dec 78

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59–84, 1977

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Extravascular transfer within the anuran pars intermedia. Perryman EK, et al. **Cell Tissue Res** 193(2):297–313, 17 Oct 78

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

Effect of amputation and limb regeneration on the pars distalis of the newt, Notophthalmus viridescens. Barber DL, et al. **Experientia** 34(9):1209, 15 Sep 78

Effects of hypophysectomy and beef growth hormone replacement therapy on morphometric and biochemical indicators of growth in the fed versus starved black bullhead (Ictalurus melas). Kayes T. **Gen Comp Endocrinol** 35(4):419–31, Aug 78

Surgery in a gravid patient. Sexton J, et al. **J Oral Surg** 36(11):878–86, Nov 78

The fetal brain and intrauterine growth. Swaab DF, et al. **Postgrad Med J** 54 Suppl 1:63–73, 1978

Apomorphine-induced inhibition of episodic LH release in ovariectomized rats with complete hypothalamic deafferentation. Arendash GW, et al. **Proc Soc Exp Biol Med** 159(1):121–5, Oct 78

Hypophysectomy alters the diurnal food intake patterns in rats. Bellinger LL, et al. **Proc Soc Exp Biol Med** 159(1):80–3, Oct 78

beta-Endorphin is associated with overeating in genetically obese mice (ob/ob) and rats (fa/fa). Margules DL, et al. **Science** 202(4371):988–91, 1 Dec 78

Role of pituitary vasopressin in the formation and dynamics of aqueous humour. Nagasubramanian S. **Trans Ophthalmol Soc UK** 97(4):686–701, Sep 77

[An old man and a child. Biological differences and similarities] Halikowski B. **Fortschr Med** 96(42):2157–63, 9 Nov 78 **(Ger)**

[Determination of serum dehydroepiandrosterone sulfate in children and its clinical significance] Koshimizu T.

Horumon To Rinsho 26(11):1120–5, Nov 78 **(Jpn)**

[Effect of removal of the hypophysis on decreasing the cellularity of the hematopoietic organs during the 1st 7 hours after irradiation] Deshevoi IuB. **Radiobiologiia** 18(5):771–4, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Pubertal development in the Prader–Labhart–Willi syndrome. Kauli R, et al. **Acta Paediatr Scand** 67(6):763–7, Nov 78

Pituitary–gonadal function in XYY and XXY men identified in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

Effect of acute myocardial infarction on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

Effect of surgical stress on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

The effect of heroin addiction on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

[TSH response to TRH after subtotal thyroidectomy in patients with simple nodular goiter (proceedings) (author's transl)] Allannic H, et al. **Ann Endocrinol (Paris)** 39(3):249–51, 1978 (Eng. Abstr.) **(Fre)**

[Abnormal TSH, PRL and GH response to TSH releasing hormone in patients with severe liver cirrhosis (proceedings) (author's transl)] Schilienger JL, et al. **Ann Endocrinol (Paris)** 39(3):245–7, 1978 (Eng. Abstr.) **(Fre)**

[Investigations on pituitary–testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[Abnormality of sex hormone and pituitary–gonadal axis in liver disease (author's transl)] Morimoto I. **Nippon Naika Gakkai Zasshi** 67(6):580–90, 10 Jun 78 **(Jpn)**

[Effect of various plans of therapy of dysfunctional uterine hemorrhages on the state of the hypophysis and ovaries in women of reproductive age] Krepkaia VK. **Pediatr Akush Ginekol** (5):47–9, Sep–Oct 78 **(Ukr)**

RADIATION EFFECTS

Unilateral adrenalectomy and pituitary irradiation in the treatment of ACTH–dependent Cushing's disease in children and adolescents. Landau B, et al. **Clin Endocrinol (Oxf)** 9(3):221–6, Sep 78

[Pathomorphology of hypophysis following local irradiation with protons of 1,000 Mev] Ulitovskii DA, et al. **Radiobiol Radiother (Berl)** 19(3):303–10, Jun 78 (Eng. Abstr.) **(Ger)**

SECRETION

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

Plasma LH concentrations after single or double injections of synthetic LH-RH in dairy cows. Foster JP. **J Reprod Fertil** 54(1):119–21, Sep 78

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Krulich L, et al. **Life Sci** 23(16):1665–73, 23 Oct 78

[Physiology of the sex hormones] Zander J. **Fortschr Med** 96(40):2007–13, 26 Oct 78 **(Ger)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

SURGERY

Pituitary ablation and its effect on diabetic retinopathy. Kelly WF, et al. **Int Ophthalmol Clin** 18(4):165–78, Winter 78

TRANSPLANTATION

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

ULTRASTRUCTURE

Extravascular transfer within the anuran pars intermedia. Perryman EK, et al. **Cell Tissue Res** 193(2):297–313, 17 Oct 78

[Quantitative study of the modifications observed in somatotropic cells of thymectomized rats. Opotherapic substitution with a thymic extract] Morel G, et al. **Experientia** 34(11):1525–7, 15 Nov 78 (Eng. Abstr.) **(Fre)**

PITUITARY GLAND, ANTERIOR

Effect of hyperprolactinemia and 2–BR–alpha–ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil–Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

Post–traumatic metabolism: a multidisciplinary challenge. Cuthbertson DP. **Surg Clin North Am** 58(5):1045–54, Oct 78

[Association of dysraphism of the median line and congenital anterior hypophyseal insufficiency with micropenis and neonatal hypoglycemia] Goumy P, et al. **Pediatrie** 33(6):551–9, Sep 78 (Eng. Abstr.) **(Fre)**

[Multi–organ specific autoimmunity in idiopathic adrenal insufficiency: autosensitization to steroid hormone–producing cells and antigens of the anterior pituitary gland (author's transl)] Ludwig H, et al. **Wien Klin Wochenschr** 90(20):736–41, 27 Oct 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

Effect of 17 beta–estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

The rat estrous cycle associated with functional corpora lutea and the mechanism of its recurrence. Naito H, et al. **Endocrinol Jpn** 25(4):367–76, Aug 78

[Immunocytological evidence for beta–LPH, alpha– and beta–endorphin in pituitary gland of normal and anencephalic human fetuses (proceedings) (author's transl)] Begeot M, et al. **Ann Endocrinol (Paris)** 39(3):235–6, 1978 (Eng. Abstr.) **(Fre)**

[Level of immunoreactive follicle–stimulating hormone in the pituitary and blood of human fetuses] Kuznetsova LV, et al. **Ontogenez** 9(5):487–94, 1978 (Eng. Abstr.) **(Rus)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Effect of thyroidectomy on the secretory profiles of growth hormone, thyrotropin and corticosterone in the rat. Takeuchi A, et al. **Endocrinol Jpn** 25(4):381–90, Aug 78

BLOOD SUPPLY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

CYTOLOGY

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Betteridge A, et al. **Biochem J** 176(1):319–23, 15 Oct 78

Ultrastructure of the dogfish adenohypophysis. Alluchon–Gérard MJ. **Cell Tissue Res** 193(1):139–54, 6 Oct 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Kawashima S, et al. **Endocrinol Jpn** 25(4):341–8, Aug 78

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Variations in the response of enzyme-dissociated rat pituitary cells to thyrotropin releasing hormone. Moriarty CM, et al. **Life Sci** 23(20):2073–8, 13 Nov 78

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

[Diurnal cycle of changes in the structure and secretory activity of adenohypophyseal gonadotropocytes in domestic birds during the reproductive period] Novikov BG, et al. **Tsitol Genet** 12(5):392–6, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Betteridge A, et al. **Biochem J** 176(1):319–23, 15 Oct 78

In vitro effect of LH-RH on RNA content and synthesis in isolated anterior pituitary cells from intact and castrated female rats. Biró J. **Endocrinol Exp (Bratisl)** 12(3):193–8, Sep 78

Stimulation of prolactin release by vasoactive intestinal peptide (VIP). Ruberg M, et al. **Eur J Pharmacol** 51(3):319–20, 1 Oct 78

The lack of an effect of cholinergic agonists on anterior pituitary prolactin production in vitro. Campbell MD, et al. **Experientia** 34(11):1522–3, 15 Nov 78

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Effects of cholinergic drugs on growth hormone release. Bruni JF, et al. **Life Sci** 23(13):1351–7, 2 Oct 78

Variations in the response of enzyme-dissociated rat pituitary cells to thyrotropin releasing hormone. Moriarty CM, et al. **Life Sci** 23(20):2073–8, 13 Nov 78

Biosynthesis of gonadotropins by rat pituitary cells in culture and in pituitary homogenates: effect of gonadotropin-releasing hormone. Khar A, et al. **Mol Cell Endocrinol** 12(1):53–65, Oct 78

Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Schreiber V, et al. **Physiol Bohemoslov** 27(6):505–13, 1978

Does time of exposure to estradiol and LHRH effect LH release from bovine pituitary cells? Padmanabhan V, et al. **Proc Soc Exp Biol Med** 159(1):157–60, Oct 78

The role of cyclic AMP in CRF-induced ACTH secretion. Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

[Steroid-induced suppression of the anterior pituitary function and its recovery] Masuyama T, et al. **Horumon To Rinsho** 26(11):1130–5, Nov 78 **(Jpn)**

EMBRYOLOGY

[Immunocytological evidence for beta-LPH, alpha- and beta-endorphin in pituitary gland of normal and anencephalic human fetuses (proceedings) (author's transl)] Begeot M, et al. **Ann Endocrinol (Paris)** 39(3):235–6, 1978 (Eng. Abstr.) **(Fre)**

[Lenticular and adenohypophyseal differentiation in the oral region ectoderm of chick embryos in tissue culture] Fedtsova NG, et al. **Ontogenez** 9(6):609–15, 1978 (Eng. Abstr.) **(Rus)**

[Level of immunoreactive follicle-stimulating hormone in the pituitary and blood of human fetuses] Kuznetsova LV, et al. **Ontogenez** 9(5):487–94, 1978 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Evidence of the carboxymethylation of nascent peptide chains on ribosomes. Chen JK, et al. **Biochem Biophys Res Commun** 84(1):261–8, 14 Sep 78

[Properties of adenohypophyseal proteinase I] Alekseenko LP, et al. **Dokl Akad Nauk SSSR** 243(1):237–9, 1978 **(Rus)**

IMMUNOLOGY

Endogenous thyrotropin-releasing hormone in the anterior pituitary: sites of activity as identified by immunocytochemical staining. Childs GV, et al. **J Histochem Cytochem** 26(11):901–8, Nov 78

METABOLISM

Pituitary siderosis. A histologic, immunocytologic, and ultrastructural study. Bergeron C, et al. **Am J Pathol** 93(2):295–309, Nov 78

Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77

Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Betteridge A, et al. **Biochem J** 176(1):319–23, 15 Oct 78

Concomitant storage of ACTH- and endorphin-like immunoreactivity in the secretory granules of anterior pituitary corticotrophs. Weber E, et al. **Brain Res** 157(2):385–90, 24 Nov 78

In vitro effect of LH-RH on RNA content and synthesis in isolated anterior pituitary cells from intact and castrated female rats. Biró J. **Endocrinol Exp (Bratisl)** 12(3):193–8, Sep 78

Stimulation of prolactin release by vasoactive intestinal peptide (VIP). Ruberg M, et al. **Eur J Pharmacol** 51(3):319–20, 1 Oct 78

The lack of an effect of cholinergic agonists on anterior pituitary prolactin production in vitro. Campbell MD, et al. **Experientia** 34(11):1522–3, 15 Nov 78

Prolactin cell adenomas of the human pituitary. Morphologic features of prolactin cells in the nontumorous portions of the anterior lobe. Kovacs K, et al. **Horm Metab Res** 10(5):409–12, Sep 78

Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. Eipper BA, et al. **J Supramol Struct** 8(3):247–62, 1978

Variations in the response of enzyme-dissociated rat pituitary cells to thyrotropin releasing hormone. Moriarty CM, et al. **Life Sci** 23(20):2073–8, 13 Nov 78

Biosynthesis of gonadotropins by rat pituitary cells in culture and in pituitary homogenates: effect of gonadotropin-releasing hormone. Khar A, et al. **Mol Cell Endocrinol** 12(1):53–65, Oct 78

PATHOLOGY

Pituitary siderosis. A histologic, immunocytologic, and ultrastructural study. Bergeron C, et al. **Am J Pathol** 93(2):295–309, Nov 78

Prolactin cell adenomas of the human pituitary. Morphologic features of prolactin cells in the nontumorous portions of the anterior lobe. Kovacs K, et al. **Horm Metab Res** 10(5):409–12, Sep 78

The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Hayden DW, et al. **Vet Pathol** 15(5):649–62, Sep 78

PHYSIOLOGY

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

Control of adenohypophysial functions by peptides of the central nervous system. Guillemin R. **Harvey Lect** 71:71–131, 1978

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Partial maintenance of testes and accessory organs in blinded hamsters by homoplastic anterior pituitary grafts or exogenous prolactin. Matthews MJ, et al. **Life Sci** 23(11):1131–7, 18 Sep 78

Catecholamines of supposed inhibitory hypophysiotrophic function suppress action potentials in prolactin cells. Taraskevich PS, et al. **Nature** 276(5690):832–4, 21–28 Dec 78

[Steroid-induced suppression of the anterior pituitary function and its recovery] Masuyama T, et al. **Horumon To Rinsho** 26(11):1130–5, Nov 78 **(Jpn)**

[Functional state of the pituitary-thyroid system of women during pregnancy] Turakulova FIa, et al. **Probl Endokrinol (Mosk)** 24(6):39–42, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al.

Helv Paediatr Acta 33(4–5):393–400, Nov 78

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

[Corticotropic function of the pituitary gland in Cushing's syndrome treated with chloditane] Slavnov VN, et al. **Ter Arkh** 50(11):72–5, 1978 (Eng. Abstr.) **(Rus)**

SECRETION

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Kawashima S, et al. **Endocrinol Jpn** 25(4):341–8, Aug 78

Effects of cholinergic drugs on growth hormone release. Bruni JF, et al. **Life Sci** 23(13):1351–7, 2 Oct 78

Studies on the role of calcium and cyclic nucleotides in the control of TSH secretion. Schrey MP, et al. **Mol Cell Endocrinol** 11(3):249–64, Sep 78

Catecholamines of supposed inhibitory hypophysiotrophic function suppress action potentials in prolactin cells. Taraskevich PS, et al. **Nature** 276(5690):832–4, 21–28 Dec 78

Does time of exposure to estradiol and LHRH effect LH release from bovine pituitary cells? Padmanabhan V, et al. **Proc Soc Exp Biol Med** 159(1):157–60, Oct 78

The role of cyclic AMP in CRF-induced ACTH secretion. Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

[Anterior pituitary function in patients with cerebrovascular diseases with special reference to TSH secretion in response to TRH administration (author's transl)] Mashito T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):829–37, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Anterior pituitary function in patients with cerebrovascular diseases with special reference to prolactin secretion in response to TRH administration (author's transl)] Mashito T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):838–47, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Functional activity of rat adenohypophysis cells in a primary monolayer culture and the effect of several regulators on it] Fedotov VP, et al. **Biull Eksp Biol Med** 86(10):491–3, Oct 78 (Eng. Abstr.) **(Rus)**

[Effect of synthetic somatostatin on basal and stimulated growth hormone and prolactin secretion in vitro] Utesheva ZF, et al. **Probl Endokrinol (Mosk)** 24(6):48–50, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Diurnal cycle of changes in the structure and secretory activity of adenohypophyseal gonadotropocytes in domestic birds during the reproductive period] Novikov BG, et al. **Tsitol Genet** 12(5):392–6, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

The rat estrous cycle associated with functional corpora lutea and the mechanism of its recurrence. Naito H, et al. **Endocrinol Jpn** 25(4):367–76, Aug 78

Partial maintenance of testes and accessory organs in blinded hamsters by homoplastic anterior pituitary grafts or exogenous prolactin. Matthews MJ, et al. **Life Sci** 23(11):1131–7, 18 Sep 78

ULTRASTRUCTURE

Ultrastructure of the dogfish adenohypophysis. Alluchon-Gérard MJ. **Cell Tissue Res** 193(1):139–54, 6 Oct 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Pineal–adenohypophysial relationships in rats. An ultrastructural contribution. Karasek M. **Endokrynol Pol** 29(5):371–9, Sep–Oct 78

Cellular injury of adrenocorticotropic pituitary tumor (AtT-20) by corticosteroid in mice. Ito A, et al. **Gan** 69(4):525–31, Aug 78

Influence of hypothalamic stimulation upon the ultrastructure of the anterior pituitary gland. Part 4. Mammotrophs. Shiotani Y, et al. **Med J Osaka Univ** 28(3–4):291–304, Mar 78

[Diurnal cycle of changes in the structure and secretory activity of adenohypophyseal gonadotropocytes in domestic birds during the reproductive period] Novikov BG, et al. **Tsitol Genet** 12(5):392–6, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

PITUITARY GLAND, POSTERIOR

Secretion of melanophore-stimulating hormone (MSH) in long-term cultures of pituitary neurointermediate lobes. Semoff S, et al. **Cell Tissue Res** 194(1):55–69, 9 Nov 78

ANATOMY & HISTOLOGY

Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Pittman QJ, et al. **Brain Res** 157(2):364–8, 24 Nov 78

BLOOD SUPPLY

Plasma immunoreactive somatostatin levels in rat hypophysial portal blood: effect of glucagon administration. Abe H, et al. **Life Sci** 23(16):1647–53, 23 Oct 78

[Capillary ultrastructure and permeability in the posterior lobe of the rat pituitary] Ugriumov MV. **Tsitologiia** 20(10):1119–25, Oct 78 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

DRUG EFFECTS

Effects of reserpine administration on the fine structure of the rat pars intermedia. Saland LC. **Cell Tissue Res** 194(1):115–23, 9 Nov 78

Investigation of a dopaminergic mechanism for regulating oxytocin release. Seybold VS, et al. **J Pharmacol Exp Ther** 207(2):605–10, Nov 78

INNERVATION

Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Pittman QJ, et al. **Brain Res** 157(2):364–8, 24 Nov 78

METABOLISM

The pars nervosa is a target for androgen in the mouse. Sheridan PJ. **Biol Reprod** 19(3):657–60, Oct 78

Investigation of a dopaminergic mechanism for regulating oxytocin release. Seybold VS, et al. **J Pharmacol Exp Ther** 207(2):605–10, Nov 78

Plasma immunoreactive somatostatin levels in rat hypophysial portal blood: effect of glucagon administration. Abe H, et al. **Life Sci** 23(16):1647–53, 23 Oct 78

The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

ULTRASTRUCTURE

Effects of reserpine administration on the fine structure of the rat pars intermedia. Saland LC. **Cell Tissue Res** 194(1):115–23, 9 Nov 78

Secretion of melanophore-stimulating hormone (MSH) in long-term cultures of pituitary neurointermediate lobes. Semoff S, et al. **Cell Tissue Res** 194(1):55–69, 9 Nov 78

PITUITARY IRRADIATION

Pituitary tumors and pregnancy. Magyar DM, et al. **Am J Obstet Gynecol** 132(7):739–51, 1 Dec 78 (59 ref.)

PITUITARY

II. Disorders of the Pituitary Gland

ACROMEGALY

BLOOD

Effect of CB-154 therapy on the glucose tolerance, IRI and GH response to glucose administration in acromegaly. Demura R, et al. **Endocrinol Jpn** 25(4):355-9, Aug 78

Response of plasma insulin to small doses of tolbutamide in obesity and acromegaly. Pelkonen R, et al. **Int J Obes** 1(4):315-24, 1977

COMPLICATIONS

On the pathogenesis of maturity-onset diabetes mellitus. Luft R, et al. **Acta Diabetol Lat** 15(1-2):1-15, Jan-Apr 78

Some results of occlusal and metric analysis of acromegalic cases. Markovic M, et al. **Int J Orthod** 16(3):13-20, Sep 78

Cytoplasmic filamentous masses in chromophobe adenoma of the human pituitary gland. Roy S. **J Pathol** 125(3):151-4, Jul 78

DIAGNOSIS

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373-86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289-96, Oct 78

Effect of CB-154 therapy on the glucose tolerance, IRI and GH response to glucose administration in acromegaly. Demura R, et al. **Endocrinol Jpn** 25(4):355-9, Aug 78

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489-98, 27 Oct 78 (63 ref.) **(Ger)**

ETIOLOGY

[Hyperthyroidism and acromegaly. Pituitary tumor] Duron F, et al. **Ann Med Interne (Paris)** 129(8-9):533-7, Aug-Sep 78 **(Fre)**

PATHOLOGY

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289-96, Oct 78

[Myopathy and peripheral neuropathy in acromegaly] Noya M, et al. **Rev Clin Esp** 150(3-4):211-4, Aug 78 **(Spa)**

PHYSIOPATHOLOGY

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289-96, Oct 78

RADIOGRAPHY

[X-ray changes in the cardiovascular system in acromegaly] Edvabnaia EM, et al. **Vestn Rentgenol Radiol** (5):69-74, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

URINE

A simple procedure for the determination of hydroxyproline in urine and bone. Gordeladze JO, et al. **Biochem Med** 20(1):23-30, Aug 78

ADENOMA, BASOPHILIC

CLASSIFICATION

[Proolem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47-55, Sep-Oct 78 **(Rus)**

ADENOMA, CHROMOPHOBE

BLOOD

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157-63, 1978

BLOOD SUPPLY

Ultrastructure of capillaries in chromophobe adenoma. Roy S. **Neurol India** 26(2):58-62, Jun 78

CLASSIFICATION

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47-55, Sep-Oct 78 **(Rus)**

COMPLICATIONS

Ptosis with contralateral lid retraction due to excessive innervation of the levator palpebrae superiorus. Schechter RJ. **Ann Ophthalmol** 10(10):1324-8, Oct 78

Cytoplasmic filamentous masses in chromophobe adenoma of the human pituitary gland. Roy S. **J Pathol** 125(3):151-4, Jul 78

DIAGNOSIS

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157-63, 1978

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738-9, Nov 78

PATHOLOGY

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738-9, Nov 78

[Myopathy and peripheral neuropathy in acromegaly] Noya M, et al. **Rev Clin Esp** 150(3-4):211-4, Aug 78 **(Spa)**

RADIOGRAPHY

Computed tomography in the evaluation of sella and parasella lesions: the value of sagittal and coronal reconstructions. Maravilla KR, et al. **Comput Tomogr** 2(3):237-49, 1978

SECRETION

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738-9, Nov 78

SURGERY

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157-63, 1978

Infratemporal fossa approach to tumours of the temporal bone and base of the skull. Fisch U. **J Laryngol Otol** 92(11):949-67, Nov 78

ULTRASTRUCTURE

Cytoplasmic filamentous masses in chromophobe adenoma of the human pituitary gland. Roy S. **J Pathol** 125(3):151–4, Jul 78

Ultrastructure of capillaries in chromophobe adenoma. Roy S. **Neurol India** 26(2):58–62, Jun 78

ADENOMA, EOSINOPHILIC

CLASSIFICATION

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep–Oct 78 **(Rus)**

PATHOLOGY

[Myopathy and peripheral neuropathy in acromegaly] Noya M, et al. **Rev Clin Esp** 150(3–4):211–4, Aug 78 **(Spa)**

SECRETION

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep–Oct 78 **(Rus)**

CHIARI-FROMMEL SYNDROME

ETIOLOGY

The amenorrhea-galactorrhea syndrome. Young RL. **Compr Ther** 4(9):40–5, Sep 78

CRANIOPHARYNGIOMA

ANALYSIS

Electron microprobe study of calcifications in human brain tumors. Duckett S, et al. **Acta Neuropathol (Berl)** 44(2):145–6, 15 Nov 78

BLOOD

[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

DIAGNOSIS

Blue-domed cyst with optic nerve compression. Burnbaum MD, et al. **J Neurol Neurosurg Psychiatry** 41(11):987–91, Nov 78

[Case of pineal body tumor] Solecki J, et al. **Neurol Neurochir Pol** 12(6):761–4, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

MORTALITY

[An unusual postoperative incident] Eisenmenger W, et al. **Beitr Gerichtl Med** 36:171–4, 1978 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[An unusual postoperative incident] Eisenmenger W, et al. **Beitr Gerichtl Med** 36:171–4, 1978 (Eng. Abstr.) **(Ger)**

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

PHYSIOPATHOLOGY

Growth rates of epidermoid tumors. Alvord EC Jr. **Ann Neurol** 2(5):367–70, Nov 77

RADIOGRAPHY

Computerized tomography for diagnosis of supratentorial tumors. Ketonen L. **Acta Neurol Scand [Suppl]** 57(69):153–64, 1978

Parasellar tumors: variations on a theme. Hunt WE, et al. **Clin Neurosurg** 25:425–34, 1978

Computed tomography in the evaluation of sella and parasella lesions: the value of sagittal and coronal reconstructions. Maravilla KR, et al. **Comput Tomogr** 2(3):237–49, 1978

CT diagnosis of intracranial cystic abnormalities in children. Maravilla KR, et al. **Comput Tomogr** 2(3):221–35, 1978

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

Hypothalamic-pituitary changes in diabetes insipidus demonstrated by computerised tomography [letter] Manelfe C, et al. **Lancet** 2(8104–5):1379–80, 23–30 Dec 78

[Neuroradiological diagnosis of third and para-third ventricular tumors--Part 2. Tumors developing within the third ventricle and tumors invading mainly the anterior portion of the third ventricle (2) (author's transl)] Ito J. **Neurol Med Chir (Tokyo)** 18(9 Pt 2):681–91, Oct 78 **(Jpn)**

RADIOTHERAPY

Craniopharyngioma: the role of radiation therapy. Thompson IL, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):1059–63, Nov–Dec 78

SURGERY

Parasellar tumors: variations on a theme. Hunt WE, et al. **Clin Neurosurg** 25:425–34, 1978

Blue-domed cyst with optic nerve compression. Burnbaum MD, et al. **J Neurol Neurosurg Psychiatry** 41(11):987–91, Nov 78

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

THERAPY

Craniopharyngioma: the role of radiation therapy. Thompson IL, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):1059–63, Nov–Dec 78

DIABETES INSIPIDUS

Reversal of chronic diabetes insipidus during treatment with protriptyline. Clark RW, et al. **South Med J** 71(12):1567–8, Dec 78

[Urethral valves and nephrogenic diabetes insipidus associated with oto-palatal digital syndrome] Albero R, et al. **Actas Urol Esp** 2(6):309–10, Nov–Dec 78 (Eng. Abstr.) **(Spa)**

BLOOD

[Case of latent hyperchloremic diabetes insipidus] Przybylska T. **Pediatr Pol** 53(9):1125–7, 1978 **(Pol)**

CHEMICALLY INDUCED

Clinicopathological conference. Two cases of drug-induced disease. Demonstration at the Royal College of Physicians of London. **Br Med J** 2(6149):1405–10, 18 Nov 78

COMPLICATIONS

Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Jackson IM, et al. **Ann Neurol** 3(5):458–61, May 78

[Fabry's disease. Initial nephrogenic diabetes insipidus in children] Parchoux B, et al. **Pediatrie** 33(8):757–65, Dec 78 (Eng. Abstr.) **(Fre)**

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

[Case of diabetes insipidus with thyroxine binding globulin deficiency] Maesaka H, et al. **Horumon To Rinsho** 26(11):1208–13, Nov 78 **(Jpn)**

CONGENITAL

Congenital nephrogenic diabetes insipidus in a baby girl. Schreiner RL, et al. **Arch Dis Child** 53(11) Nov 78

DIAGNOSIS

[Diabetes insipidus in children--long-term follow-up study]

Oka E, et al. **No To Shinkei** 30(8):923–8, Aug 78 (Eng. Abstr.) **(Jpn)**

[Case of latent hyperchloremic diabetes insipidus] Przybylska T. **Pediatr Pol** 53(9):1125–7, 1978 **(Pol)**

DRUG THERAPY

Urinary excretion of cyclic adenosine 3'–5' monophosphate in central diabetes insipidus patients treated with certain antidiuretic drugs. Pruszczyński W. **Endokrynol Pol** 29(6):517–25, Nov–Dec 78

Postcraniotomy diabetes insipidus: treatment with DDAVP, a synthetic analog of vasopressin. Daneman D, et al. **J Pediatr** 93(5):879–80, Nov 78

Management of diabetes insipidus with DDAVP [letter] Lampert RP, et al. **J Pediatr** 93(5):896–7, Nov 78

[Mechanism of action of hormone and drug therapy in diabetes insipidus] Heuer LJ. **Hippokrates** 49(4):316–22, Nov 78 **(Ger)**

[Diabetes insipidus after surgery of intracranial arterial aneurysms--with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

[Diabetes insipidus in children--long-term follow-up study] Oka E, et al. **No To Shinkei** 30(8):923–8, Aug 78 (Eng. Abstr.) **(Jpn)**

[Case of diabetes insipidus in a 28-year-old woman treated with dihydroergotoxine] Zieleniewski J, et al. **Pol Tyg Lek** 33(35):1379, 28 Aug 78 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Postcraniotomy diabetes insipidus: treatment with DDAVP, a synthetic analog of vasopressin. Daneman D, et al. **J Pediatr** 93(5):879–80, Nov 78

[Diabetes insipidus after surgery of intracranial arterial aneurysms--with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

[Diabetes insipidus in children--long-term follow-up study] Oka E, et al. **No To Shinkei** 30(8):923–8, Aug 78 (Eng. Abstr.) **(Jpn)**

[Neurological aspects of cranial base fractures] Oryńska I. **Wiad Lek** 31(21):1519–22, 1 Nov 78 **(Pol)**

FAMILIAL & GENETIC

The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

METABOLISM

Pharmacokinetics of 1-desamino-8-D-arginine vasopressin (DDAVP) in patients with central diabetes insipidus. Pullan PT, et al. **Clin Endocrinol (Oxf)** 9(3):273–8, Sep 78

The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

PATHOLOGY

Antidiuretic hormone-induced intramembranous alterations in mammalian collecting ducts. Harmanci MC, et al. **Am J Physiol** 235(5):440–3, Nov 78

Hypothalamic-pituitary changes in diabetes insipidus demonstrated by computerised tomography [letter] Manelfe C, et al. **Lancet** 2(8104–5):1379–80, 23–30 Dec 78

[Urethral valves and nephrogenic diabetes insipidus associated with oto-palatal digital syndrome] Albero R, et al. **Actas Urol Esp** 2(6):309–10, Nov–Dec 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Acute compensatory adaptation of renal function following contralateral kidney exclusion in Brattleboro rats with diabetes insipidus. Shirley DG, et al. **J Physiol (Lond)** 283:425–38, Oct 78

Hydronephrosis and megacystis in rats with diabetes insipidus: radiographic and ureteral pressure studies. Dieppa RA, et al. **Surg Forum** 28:548–50, 1977

RADIOGRAPHY

Hypothalamic-pituitary changes in diabetes insipidus demonstrated by computerised tomography [letter] Manelfe C, et al. **Lancet** 2(8104–5):1379–80, 23–30 Dec 78

URINE

Congenital nephrogenic diabetes insipidus in a baby girl. Schreiner RL, et al. **Arch Dis Child** 53(11) Nov 78

Postcraniotomy diabetes insipidus: treatment with DDAVP, a synthetic analog of vasopressin. Daneman D, et al. **J Pediatr** 93(5):879–80, Nov 78

DWARFISM

The Snell-dwarfmouse. II. Sulphate and thymidine incorporation in costal cartilage and somatomedin levels before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):646–58, Dec 78

The Snell-dwarfmouse. I. General growth pattern, before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):632–45, Dec 78

Pycnodysostosis. A case report. Taylor MM, et al. **J Bone Joint Surg [Am]** 60(8):1128–30, Dec 78

[A case of Binder's syndrome (dysostosis maxillo-facialis) associated with dwarfism and a fibula abnormality] Romhányi I, et al. **Dtsch Zahnaerztl Z** 33(10):673–6, Oct 78 **(Ger)**

COMPLICATIONS

Cockayne's syndrome and emphysema. Cunningham M, et al. **Arch Dis Child** 53(9):722–5, Sep 78

[Campomelic syndrome (author's transl)] Ameri MR, et al. **Monatsschr Kinderheilkd** 126(11):687–9, Nov 78 (Eng. Abstr.) **(Ger)**

[Metatropic dwarfism. Different reversal of spine deformity in monozygotic twins (author's transl)] Winkelmann W, et al. **Z Orthop** 116(5):691–6, 1978 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[A report on the syndroma of narrow spinal canal at congenital chondrodystrophy (author's transl)] Biehl G, et al. **Arch Orthop Trauma Surg** 92(4):257–60, 27 Oct 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Achondrogenesis. MacHenry JC, et al. **Ir J Med Sci** 147(11):404–6, Nov 78

[Cockayne's syndrome; a radiological entity: a report on two familial cases (author's transl)] Bensman A, et al. **J Radiol Electrol Med Nucl** 59(6–7):375–80, Jun–Jul 78 (Eng. Abstr.) **(Fre)**

METABOLISM

The Snell-dwarfmouse. II. Sulphate and thymidine incorporation in costal cartilage and somatomedin levels before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):646–58, Dec 78

PATHOLOGY

Craniofacial and dental study of mulibrey nanism. Myllärniemi S, et al. **Cleft Palate J** 15(4):369–77, Oct 78

Pycnodysostosis. A clinical, pathological, and ultramicroscopic study of a case. Meredith SC, et al. **J Bone Joint Surg [Am]** 60(8):1122–7, Dec 78

PHYSIOPATHOLOGY

[Secretory dynamics of gonadotropins in children with growth disorders during sleep and its clinical significance] Kawano N, et al. **Horumon To Rinsho** 26(11):1104–9, Nov 78 **(Jpn)**

RADIOGRAPHY

Achondrogenesis. MacHenry JC, et al. **Ir J Med Sci** 147(11):404–6, Nov 78

Pycnodysostosis. A clinical, pathological, and ultramicroscopic study of a case. Meredith SC, et al.

J Bone Joint Surg [Am] 60(8):1122–7, Dec 78

Pycnodysostosis. A case report. Taylor MM, et al. **J Bone Joint Surg [Am]** 60(8):1128–30, Dec 78

A severe form of metatropic dwarfism. Perri G. **Pediatr Radiol** 7(3):183–5, 26 Sep 78

Neonatal death dwarfism. (A further report). Kozlowski K, et al. **ROEFO** 129(5):626–33, Nov 78

[Cockayne's syndrome; a radiological entity: a report on two familial cases (author's transl)] Bensman A, et al. **J Radiol Electrol Med Nucl** 59(6–7):375–80, Jun–Jul 78 (Eng. Abstr.) **(Fre)**

DWARFISM, PITUITARY

BLOOD

Chronic hydrocephalus associated with short stature and growth hormone deficiency. Hier DB, et al. **Ann Neurol** 2(3):246–8, Sep 77

COMPLICATIONS

[Association of dysraphism of the median line and congenital anterior hypophyseal insufficiency with micropenis and neonatal hypoglycemia] Goumy P, et al. **Pediatrie** 33(6):551–9, Sep 78 (Eng. Abstr.) **(Fre)**

[Silver–Russell syndrome with panhypopituitarism (author's transl)] Stögmann W, et al. **Klin Paediatr** 190(6):586–91, Nov 78 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

LH-releasing hormone stimulation test in prepubertal diagnosis of hypogonadotropic syndromes. Kosowicz J, et al. **Endokrynol Pol** 29(6):491–500, Nov–Dec 78

ETIOLOGY

[Monitoring of the patient during follow-up (author's transl)] Lasson U, et al. **Monatsschr Kinderheilkd** 126(11):655–8, Nov 78 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Bioelectric aktivity of the brain in hypopituitary dwarfism [proceedings] Vitová Z, et al. **Act Nerv Super (Praha)** 20(2):118–9, 1978

VETERINARY

Pituitary dwarfism in German Shepherd dogs. Allan GS, et al. **J Small Anim Pract** 19(12):711–27, Dec 78

EMPTY SELLA SYNDROME

COMPLICATIONS

Normal pressure hydrocephalus, parkinsonism, and primary empty sella--coincidence or cause-effect? Spagna VA, et al. **Neurology (Minneap)** 28(11):1191–3, Nov 78

RADIOGRAPHY

Computed tomography in the evaluation of sella and parasella lesions: the value of sagittal and coronal reconstructions. Maravilla KR, et al. **Comput Tomogr** 2(3):237–49, 1978

Metrizamide demonstration of the subarachnoid space surrounding the optic nerves. Manelfe C, et al. **J Comput Assist Tomogr** 2(5):545–7, Nov 78

GIGANTISM

Diseases described by Ohioans. Paulson GW. **Ohio State Med J** 74(11):723–5, Nov 78

BLOOD

Plasma somatomedin activity in an infant with Beckwith Wiedemann syndrome. Ashton IK, et al. **Early Hum Dev** 1(4):357–62, Feb 78

FAMILIAL & GENETIC

Diagnosis of treatable types of short and tall stature. Zachmann M. **Postgrad Med J** 54 Suppl 1:121–32, 1978 (62 ref.)

HYPERPITUITARISM

SURGERY

Functional microsurgical treatment of hypersecreting pituitary disorders. Hardy J. **Appl Neurophysiol** 41(1–4):217–8, 1978

HYPOPITUITARISM

BLOOD

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

COMPLICATIONS

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

[Testosterone and sexuality during anterior pituitary gland insufficiencies] Raymond JP. **Probl Actuels Endocrinol Nutr** (21):83–5, 1977 **(Fre)**

[Etiology of gonadal dysfunction in pituitary insufficiency--with special reference to an hCG test for the evaluation of reserve testicular secretory function] Matsuura M, et al. **Horumon To Rinsho** 26(11):1110–5, Nov 78 **(Jpn)**

DIAGNOSIS

[Sheehan's syndrome in black Africa. Nine cases; 5 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):65–9, Jun 78 **(Fre)**

[Hypopituitary syndrome] Liashuk PM, et al. **Vrach Delo** (11):111–3, Nov 78 **(Rus)**

DRUG THERAPY

Dental maturity in hypopituitarism, and dental response to substitution treatment. Myllärniemi S, et al. **Scand J Dent Res** 86(5):307–12, Sep 78

[Sheehan's syndrome in black Africa. Nine cases; 5 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):65–9, Jun 78 **(Fre)**

ETIOLOGY

Partial hypopituitarism in a patient with a pituitary stone. Mroueh A, et al. **Clin Endocrinol (Oxf)** 9(5):479–82, Nov 78

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

OCCURRENCE

[Sheehan's syndrome in black Africa. Nine cases; 5 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):65–9, Jun 78 **(Fre)**

PHYSIOPATHOLOGY

Dental maturity in hypopituitarism, and dental response to substitution treatment. Myllärniemi S, et al. **Scand J Dent Res** 86(5):307–12, Sep 78

[Etiology of gonadal dysfunction in pituitary insufficiency--with special reference to an hCG test for the evaluation of reserve testicular secretory function] Matsuura M, et al. **Horumon To Rinsho** 26(11):1110–5, Nov 78 **(Jpn)**

[Relationship between plasma levels of cortisol and corticosterone in subjects with different ACTH activity (author's transl)] Rodríguez JA, et al. **Rev Med Chil** 106(6):415–9, Jun 78 (Eng. Abstr.) **(Spa)**

INAPPROPRIATE ADH SYNDROME

BLOOD

Transient water diuresis and syndrome of inappropriate antidiuretic hormone secretion (SIADH) induced by forebrain lesions of different location. Rundgren M, et al.

Acta Physiol Scand 103(4):421–9, Aug 78
[Radioimmunoassay of plasma arginine-vasopressin in the cirrhotic patient. 15 patients (letter)] Guillemant S, et al. **Nouv Presse Med** 7(34):3048–9, 7 Oct 78 **(Fre)**

CHEMICALLY INDUCED

Inappropriate antidiuresis during desipramine therapy [letter] Dhar SK, et al. **Arch Intern Med** 138(11):1750–1, Nov 78
Syndrome of inappropriate antidiuretic hormone secretion associated with amitriptyline administration [letter] Beckstrom D, et al. **JAMA** 241(2):133, 12 Jan 79

COMPLICATIONS

Hyponatremia an its management. de Torrenté A, et al. **Contrib Nephrol** 14:142–54, 1978
Blood chemistry abnormalities in bacterial endocarditis of narcotic addicts. Ogbuawa O, et al. **South Med J** 71(12):1526–9, Dec 78
[Physiopathological and symptomatic aspects of osmolar encephalopathies] Di Lollo F, et al. **Recenti Prog Med** 65(4):295–325, Oct 78 (117 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Blood chemistry abnormalities in bacterial endocarditis of narcotic addicts. Ogbuawa O, et al. **South Med J** 71(12):1526–9, Dec 78

DRUG THERAPY

Demeclocycline in the treatment of the syndrome of inappropriate antidiuretic hormone release: with measurement of plasma ADH. Padfield PL, et al. **Postgrad Med J** 54(635):623–7, Sep 78

ETIOLOGY

Transient water diuresis and syndrome of inappropriate antidiuretic hormone secretion (SIADH) induced by forebrain lesions of different location. Rundgren M, et al. **Acta Physiol Scand** 103(4):421–9, Aug 78
The syndrome of inappropriate antidiuretic hormone secretion in multiple sclerosis. Apple D, et al. **Arch Intern Med** 138(11):1713–4, Nov 78
Idiopathic Schwartz–Bartter syndrome: an indication for screening fiberoptic bronchoscopy. Elguindi AS, et al. **J Med Assoc Ga** 68(1):38–9, Jan 79

METABOLISM

Demeclocycline in the treatment of the syndrome of inappropriate antidiuretic hormone release: with measurement of plasma ADH. Padfield PL, et al. **Postgrad Med J** 54(635):623–7, Sep 78

PHYSIOPATHOLOGY

Osmometry. 2. Osmoregulation. Bevan DR. **Anaesthesia** 33(9):801–8, Oct 78

THERAPY

Hyponatremia an its management. de Torrenté A, et al. **Contrib Nephrol** 14:142–54, 1978

URINE

Transient water diuresis and syndrome of inappropriate antidiuretic hormone secretion (SIADH) induced by forebrain lesions of different location. Rundgren M, et al. **Acta Physiol Scand** 103(4):421–9, Aug 78

INFANTILISM

ETIOLOGY

Partial hypopituitarism in a patient with a pituitary stone. Mroueh A, et al. **Clin Endocrinol (Oxf)** 9(5):479–82, Nov 78

*NELSON'S SYNDROME See page 12.

PITUITARY DISEASES

BLOOD

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)
Plasma TSH and prolactin response to insulin induced hypoglycemia in patients with hypothalamic pituitary disorsers. Demura R, et al. **Endocrinol Jpn** 25(4):361–5, Aug 78

CHEMICALLY INDUCED

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738–9, Nov 78

COMPLICATIONS

Partial hypopituitarism in a patient with a pituitary stone. Mroueh A, et al. **Clin Endocrinol (Oxf)** 9(5):479–82, Nov 78
Plasma TSH and prolactin response to insulin induced hypoglycemia in patients with hypothalamic pituitary disorsers. Demura R, et al. **Endocrinol Jpn** 25(4):361–5, Aug 78
[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

METABOLISM

Pituitary siderosis. A histologic, immunocytologic, and ultrastructural study. Bergeron C, et al. **Am J Pathol** 93(2):295–309, Nov 78

PATHOLOGY

Pituitary siderosis. A histologic, immunocytologic, and ultrastructural study. Bergeron C, et al. **Am J Pathol** 93(2):295–309, Nov 78

RADIOTHERAPY

Late cerebral radionecrosis. Lorenzo ND, et al. **Surg Neurol** 10(5):281–90, Nov 78

PITUITARY NEOPLASMS

Pituitary tumors and pregnancy. Magyar DM, et al. **Am J Obstet Gynecol** 132(7):739–51, 1 Dec 78 (59 ref.)
Maintenance of functioning human pituitary tumours in 'nude' athymic mice. O'Sullivan JP, et al. **J Endocrinol** 79(1):139–40, Oct 78
[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

ANALYSIS

Electron microprobe study of calcifications in human brain tumors. Duckett S, et al. **Acta Neuropathol (Berl)** 44(2):145–6, 15 Nov 78

BLOOD

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157–63, 1978
Prolactin and female reproduction. Seppälä M. **Ann Clin Res** 10(3):164–70, 1978
Serum-prolactin in female infertility. Moore DM, et al. **Lancet** 2(8102):1243–5, 9 Dec 78
[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Ultrastructure of capillaries in chromophobe adenoma. Roy S. **Neurol India** 26(2):58–62, Jun 78

CHEMICALLY INDUCED

Pituitary adenomas and oral contraceptives [letter] **Lancet** 2(8104–5):1384, 23–30 Dec 78

CLASSIFICATION

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu.
Zh Vopr Neirokhir (5):47–55, Sep–Oct 78 **(Rus)**

COMPLICATIONS

Ptosis with contralateral lid retraction due to excessive innervation of the levator palpebrae superiorus. Schechter RJ. **Ann Ophthalmol** 10(10):1324–8, Oct 78

Pituitary oncocytic tumor with Cushing's disease. Gjerris A, et al. **Cancer** 42(4):1818–22, Oct 78

The amenorrhea–galactorrhea syndrome. Young RL.
Compr Ther 4(9):40–5, Sep 78

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

Cytoplasmic filamentous masses in chromophobe adenoma of the human pituitary gland. Roy S. **J Pathol** 125(3):151–4, Jul 78

Experience with the induction of ovulation. Gemzell CA.
J Reprod Med 21(3 Suppl):205–7, Sep 78

Galactorrhea in a man with normal testicular function. Hulugalle RS, et al. **JAMA** 240(23):2565, 1 Dec 78

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

[Hyperthyroidism and acromegaly. Pituitary tumor] Duron F, et al. **Ann Med Interne (Paris)** 129(8–9):533–7, Aug–Sep 78 **(Fre)**

[Prolactin function in erectile idiopathic impotence] Buvat J, et al. **Probl Actuels Endocrinol Nutr** (21):165–83, 1977 **(Fre)**

[Influence of primary hyperprolactinemia on male sex behavior] Fossati P, et al. **Probl Actuels Endocrinol Nutr** (21):151–64, 1977 **(Fre)**

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

DIAGNOSIS

Pituitary tumors and pregnancy. Magyar DM, et al.
Am J Obstet Gynecol 132(7):739–51, 1 Dec 78 (59 ref.)

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157–63, 1978

Ptosis with contralateral lid retraction due to excessive innervation of the levator palpebrae superiorus. Schechter RJ. **Ann Ophthalmol** 10(10):1324–8, Oct 78

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738–9, Nov 78

Growth hormone and prolactin radioimmunoassay in early diagnosis of pituitary tumors. Gembicki M, et al.
Endokrynol Pol 29(6):509–16, Nov–Dec 78

Dynamic evaluation of prolactin secretion with perphenazine in normal and hyperprolactinemic subjects. Buckman MT, et al. **Horm Metab Res** 10(5):400–8, Sep 78

Serum-prolactin in female infertility. Moore DM, et al.
Lancet 2(8102):1243–5, 9 Dec 78

DRUG THERAPY

Attempt at pharmacological treatment of a pituitary tumor with bromocriptine. Pawlikowski M. **Endokrynol Pol** 29(5):413–6, Sep–Oct 78

Bromocriptine, pituitary tumours, and pregnancy [letter] Yuen BH. **Lancet** 2(8103):1314, 16 Dec 78

ETIOLOGY

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu.
Zh Vopr Neirokhir (5):47–55, Sep–Oct 78 **(Rus)**

METABOLISM

Biosynthesis of a ubiquitin-related peptide in rat brain and in human and mouse pituitary tumors. Scherrer H, et al.
Biochem Biophys Res Commun 84(4):874–85, 30 Oct 78

Prolactin cell adenomas of the human pituitary. Morphologic features of prolactin cells in the nontumorous portions of the anterior lobe. Kovacs K, et al. **Horm Metab Res** 10(5):409–12, Sep 78

Cell-free translation of the messenger RNA coding for the alpha subunit of thyroid-stimulating hormone. Chin WW, et al. **J Biol Chem** 253(22):7985–8, 25 Nov 78

Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

MORTALITY

Longevity study in Han: Wistar rats: experience in maintaining aging rats for gerontological investigations. pp. 66–74. Deerberg F, et al.
In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.

[An unusual postoperative incident] Eisenmenger W, et al.
Beitr Gerichtl Med 36:171–4, 1978 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Pituitary adenoma in Olmsted County, Minnesota, 1935--1977. A report of an increasing incidence of diagnosis in women of childbearing age. Annegers JF, et al.
Mayo Clin Proc 53(10):641–3, Oct 78

PATHOLOGY

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738–9, Nov 78

Morphology of prolactin producing adenomas. Kovacs K.
Clin Endocrinol (Oxf) 6 Suppl:71S–79S, 1977

Prolactin cell adenomas of the human pituitary. Morphologic features of prolactin cells in the nontumorous portions of the anterior lobe. Kovacs K, et al. **Horm Metab Res** 10(5):409–12, Sep 78

Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

[An unusual postoperative incident] Eisenmenger W, et al.
Beitr Gerichtl Med 36:171–4, 1978 (Eng. Abstr.) **(Ger)**

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu.
Zh Vopr Neirokhir (5):47–55, Sep–Oct 78 **(Rus)**

[Myopathy and peripheral neuropathy in acromegaly] Noya M, et al. **Rev Clin Esp** 150(3–4):211–4, Aug 78 **(Spa)**

PHYSIOPATHOLOGY

The survival of rat mammary gland cells following irradiation in vivo under different endocrinological conditions. Gould MN, et al. **Int J Radiat Oncol Biol Phys** 4(7–8):629–32, Jul–Aug 78

Galactorrhea in a man with normal testicular function. Hulugalle RS, et al. **JAMA** 240(23):2565, 1 Dec 78

RADIOGRAPHY

Computed tomography of the brain. Jacobsen HH.
Acta Neurol Scand [Suppl] 57(69):139–51, 1978

Computerized tomography for diagnosis of supratentorial tumors. Ketonen L. **Acta Neurol Scand [Suppl]** 57(69):153–64, 1978

Intrasellar cysticercosis presenting as a pituitary tumor: successful transsphenoidal cystectomy with preservation of pituitary function. Prosser PR, et al.
Am J Trop Med Hyg 27(5):976–8, Sep 78

Parasellar tumors: variations on a theme. Hunt WE, et al.
Clin Neurosurg 25:425–34, 1978

Computed tomography in the evaluation of sella and parasella lesions: the value of sagittal and coronal reconstructions. Maravilla KR, et al. **Comput Tomogr** 2(3):237–49, 1978

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

Hypothalamic-pituitary changes in diabetes insipidus

demonstrated by computerised tomography [letter] Manelfe C, et al. **Lancet** 2(8104–5):1379–80, 23–30 Dec 78

[Neuroradiological diagnosis of third and para-third ventricular tumors--Part 2. Tumors developing within the third ventricle and tumors invading mainly the anterior portion of the third ventricle (2) (author's transl)] Ito J. **Neurol Med Chir (Tokyo)** 18(9 Pt 2):681–91, Oct 78 **(Jpn)**

RADIOTHERAPY

Craniopharyngioma: the role of radiation therapy. Thompson IL, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):1059–63, Nov-Dec 78

SECRETION

Hyperprolactinemia in multiple endocrine adenomatosis, type 1. Carlson HE, et al. **Arch Intern Med** 138(12):1807–8, Dec 78

Hyperprolactinemia and the multiple endocrine adenomatosis type 1 (MEA-1) syndrome [editorial] Levine JH, et al. **Arch Intern Med** 138(12):1777–8, Dec 78

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738–9, Nov 78

Pituitary oncocytic tumor with Cushing's disease. Gjerris A, et al. **Cancer** 42(4):1818–22, Oct 78

Morphology of prolactin producing adenomas. Kovacs K. **Clin Endocrinol (Oxf)** 6 Suppl:71S–79S, 1977

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

Growth hormone and prolactin radioimmunoassay in early diagnosis of pituitary tumors. Gembicki M, et al. **Endokrynol Pol** 29(6):509–16, Nov-Dec 78

Lack of acute effects of pyridoxine on prolactin secretion and lactation. Husami N, et al. **Fertil Steril** 30(4):393–7, Oct 78

Cellular injury of adrenocorticotropic pituitary tumor (AtT-20) by corticosteroid in mice. Ito A, et al. **Gan** 69(4):525–31, Aug 78

Dynamic evaluation of prolactin secretion with perphenazine in normal and hyperprolactinemic subjects. Buckman MT, et al. **Horm Metab Res** 10(5):400–8, Sep 78

Maintenance of functioning human pituitary tumours in 'nude' athymic mice. O'Sullivan JP, et al. **J Endocrinol** 79(1):139–40, Oct 78

Galactorrhea in a man with normal testicular function. Hulugalle RS, et al. **JAMA** 240(23):2565, 1 Dec 78

Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

A case of multiple endocrine adenomatosis with primary amenorrhoea. Vandeweghe M, et al. **Postgrad Med J** 54(635):618–22, Sep 78

[Effect of L dopa, dopamine and CB 154 on prolactin secretion from human pituitary adenomas in vitro (proceedings) (author's transl)] Peillon F, et al. **Ann Endocrinol (Paris)** 39(3):255–7, 1978 (Eng. Abstr.) **(Fre)**

[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

[Hypophyseal adenoma with markedly increased prolactin secretion] Jeske W, et al. **Pol Arch Med Wewn** 60(5):461–5, Nov 78 (Eng. Abstr.) **(Pol)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep-Oct 78 **(Rus)**

SURGERY

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157–63, 1978

Functional microsurgical treatment of hypersecreting pituitary disorders. Hardy J. **Appl Neurophysiol** 41(1–4):217–8, 1978

Parasellar tumors: variations on a theme. Hunt WE, et al. **Clin Neurosurg** 25:425–34, 1978

Infratemporal fossa approach to tumours of the temporal bone and base of the skull. Fisch U. **J Laryngol Otol** 92(11):949–67, Nov 78

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

Transsphenoidal surgery for pituitary tumors [letter] Smith DR. **J Neurosurg** 49(5):779–80, Nov 78

Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

The use of cyanoacrylate in transsphenoidal hypophysectomy. Young WC, et al. **Laryngoscope** 88(11):1784–8, Nov 78

[Transsphenoidal microneurosurgery.--Part 1. Operative technique and results of 150 cases (author's transl)] Oi S, et al. **Neurol Med Chir (Tokyo)** 18(9 Pt 2):641–7, Oct 78 (Eng. Abstr.) **(Jpn)**

THERAPY

Pituitary tumors and pregnancy. Magyar DM, et al. **Am J Obstet Gynecol** 132(7):739–51, 1 Dec 78 (59 ref.)

Craniopharyngioma: the role of radiation therapy. Thompson IL, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):1059–63, Nov-Dec 78

ULTRASTRUCTURE

Pituitary oncocytic tumor with Cushing's disease. Gjerris A, et al. **Cancer** 42(4):1818–22, Oct 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Morphology of prolactin producing adenomas. Kovacs K. **Clin Endocrinol (Oxf)** 6 Suppl:71S–79S, 1977

Cytoplasmic filamentous masses in chromophobe adenoma of the human pituitary gland. Roy S. **J Pathol** 125(3):151–4, Jul 78

Ultrastructure of capillaries in chromophobe adenoma. Roy S. **Neurol India** 26(2):58–62, Jun 78

VETERINARY

Longevity study in Han: Wistar rats: experience in maintaining aging rats for gerontological investigations. pp. 66–74. Deerberg F, et al. **In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.**

Adenoma of the pars intermedia and hirsutism in a pony. Holscher MA, et al. **VM SAC** 73(9):1197–200, Sep 78

NELSON'S SYNDROME

Recent data on the group of Melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins). Bertagna X, et al. Ann Endocrinol (Paris) 39(3): 201–13, 1978 **(Fre)**

PITUITARY

III. *Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs*

ARGIPRESSIN

PHARMACODYNAMICS

Time course of mesenteric vasodilatation following hypophysectomy and the stopping of a vasopressin infusion. Pang cy, et al. **Can J Physiol Pharmacol** 56(5):735–8, Oct 78

Arginine vasopressin maintains ethanol tolerance. Hoffman PL, et al. **Nature** 276(5688):614–6, 7 Dec 78

Effects of vasopressin and its deamino-D-arginine analogue on renin release in the isolated perfused rat kidney. Konrads A, et al. **Pfluegers Arch** 377(1):81–5, 18 Oct 78

SECRETION

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

CORTICOTROPIN

Conformation of corticotropin. An infrared spectrometry study of hydrogen exchange kinetics. Nabedryk-Viala E, et al. **Biochim Biophys Acta** 536(1):252–62, 26 Sep 78

Unilateral adrenalectomy and pituitary irradiation in the treatment of ACTH-dependent Cushing's disease in children and adolescents. Landau B, et al. **Clin Endocrinol (Oxf)** 9(3):221–6, Sep 78

Heterogeneity of ACTH--its clinical implications in acute alcohol withdrawal syndromes. Dobrzanski T. **Endokrynol Pol** 29(5):407–11, Sep-Oct 78

ADMINISTRATION & DOSAGE

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Pituitary--adrenal influences on avoidance behavior of pigs. Mormède P, et al. **Horm Behav** 10(3):285–97, Jun 78

ADVERSE EFFECTS

The place of steroids in the therapy of toxic megacolon. Meyers S, et al. **Gastroenterology** 75(4):729–31, Oct 78

Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. Isarangkura M, et al. **J Med Assoc Thai** 61(11):647–50, Nov 78

[Long-term treatment with corticoids in respiratory disorders] Minette A. **Rev Inst Hyg Mines (Hasselt)** 32(2):51–75, 1977 (134 ref.) (Eng. Abstr.) **(Dut)**

ANALOGS & DERIVATIVES

Adrenocorticotrophic hormone fragments mimic the effect of morphine in vitro. Plomp GJ, et al. **Br J Pharmacol** 64(2):223–7, Oct 78

Comparisons of synthetic 1-18 ACTH (Organon 2001) and 1-39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9-12)8(1-8):4–6, Jan-Dec 76

Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. Danowski TS, et al. **PDM** 7(9-12)8(1-8):17–9, Jan-Dec 76

ANALYSIS

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

[Immunocytochemical localization of neurons containing ACTH 17-39 in the rat brain] Toubeau G. **C R Acad Sci [D] (Paris)** 287(5):499–502, 18 Sep 78 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

BIOSYNTHESIS

Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. Eipper BA, et al. **J Supramol Struct** 8(3):247–62, 1978

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

Influence of morphine anaesthesia on the endocrine-metabolic response to open-heart surgery. Brandt MR, et al. **Acta Anaesthesiol Scand** 22(4):400–12, 1978

Plasma adrenocorticotropin levels in normal dogs (a selected report) [letter] Wagner WC. **Am J Vet Res** 39(5):897, May 78

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1–15, Mar 78

Discrepancy between ACTH and cortisol responses to insulin induced hypoglycaemia. Lindholm J, et al. **Clin Endocrinol (Oxf)** 9(4):371–4, Oct 78

Reduction of adrenocorticotropic hormone (ACTH) and cortisol in drug addicts treated by acupuncture and electrical stimulation (AES). Wen HL, et al. **Comp Med East West** 6(1):61–6, Spring 78

Heterogeneity of ACTH--its clinical implications in acute alcohol withdrawal syndromes. Dobrzanski T. **Endokrynol Pol** 29(5):407–11, Sep-Oct 78

The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67–94. Fuxe K, et al. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

Evaluation of a radioimmunoassay for plasma adrenocorticotrophin. Marton J, et al. **J Endocrinol** 78(3):309–19, Sep 78

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78

Development of tolerance to the ACTH-releasing effects of beta-endorphin. Van Loon GR, et al. **Res Commun Chem Pathol Pharmacol** 22(1):203–4, Oct 78

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[State of the hypothalamo-hypophyseo-adrenal cortex system in rabbits during cholesterol loading] Livshits IB. **Probl Endokrinol (Mosk)** 24(6):50–4, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

DEFICIENCY

[Case of isolated ACTH deficiency associated with neurologic symptoms] Nishitani H, et al. **Nippon Rinsho** 36(8):3016–21, Aug 78 **(Jpn)**

DIAGNOSTIC USE

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Physiological response to aerosol propellants. Stewart RD, et al. **Environ Health Perspect** 26:275–85, Oct 78

Diagnostic approach to the hirsute patient. Genazzani AR, et al. **Horm Res** 9(6):379–93, 1978

Management of congenital hypoaldosteronism. Sack J, et al.

Monogr Hum Genet 10:181–4, 1978

Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. Danowski TS, et al. **PDM** 7(9–12)8(1–8):17–9, Jan–Dec 76

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223–32, Sep 78

A new approach to the difficult assessment of aldosterone secretion in anephric patients. Pratt JH, et al. **Steroids** 32(4):487–98, Nov 78

[Detection of heterozygote of congenital adrenal hyperplasia] Saito Y, et al. **Horumon To Rinsho** 26(11):1126–9, Nov 78 **(Jpn)**

IMMUNOLOGY

Involvement of ACTH and MSH in active and passive avoidance behavior. van Wimersma Greidanus TB, et al. **Brain Res Bull** 3(3):227–30, May–Jun 78

Masking of protein antigen by modification of amino groups with carbobenzoxychloride (benzyl chloroformate) and demasking by treatment with nonspecific protease. Takamiya H, et al. **J Histochem Cytochem** 26(11):914–20, Nov 78

Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. Eipper BA, et al. **J Supramol Struct** 8(3):247–62, 1978

METABOLISM

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1–15, Mar 78

Concomitant storage of ACTH- and endorphin-like immunoreactivity in the secretory granules of anterior pituitary corticotrophs. Weber E, et al. **Brain Res** 157(2):385–90, 24 Nov 78

[Special problems in hypophyseal tumors. 7 secected observations II] Rössler R, et al. **Med Welt** 29(44):1722–7, 3 Nov 78 **(Ger)**

PHARMACODYNAMICS

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):737–43, Dec 78

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210–8, Nov 78

Investigations on the turnover of adrenocortical mitochondria. XII. Studies on the mechanism of the ACTH-induced elongation of the half-life of rat zona fasciculata mitochondria. Nussdorfer GG, et al. **Anat Rec** 192(3):435–40, Nov 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1–15, Mar 78

Corticotropin stimulation of hypertensive rats with and without arteriosclerosis. Wexler BC. **Arch Pathol Lab Med** 102(11):587–91, Nov 78

The role of protein kinases in ACTH-stimulated steroidogenesis. Hofmann K, et al. **Biochem Biophys Res Commun** 84(4):1136–43, 30 Oct 78

Effect of corticotropin treatment in vivo on the synthesis of a specific adrenal cytosolic protein. Characterization by dual-labelling technique and polyacrylamide-gel electrophoresis. Dazord A, et al. **Biochem J** 176(1):233–9, 15 Oct 78

On the role of intra-adrenal unesterified cholesterol in the steroidogenic effect of corticotropin. Farese RV, et al. **Biochim Biophys Acta** 544(1):77–84, 15 Nov 78

The effect of myo-inositol deficiency on lipid metabolism in rats. III. The mechanism of an enhancement in lipolysis due to myo-inositol deficiency in rats. Hayashi E, et al. **Biochim Biophys Acta** 531(2):197–205, 22 Nov 78

Adrenocorticotrophic hormone fragments mimic the effect of morphine in vitro. Plomp GJ, et al. **Br J Pharmacol** 64(2):223–7, Oct 78

Blood pressure and metabolic effects of ACTH in anephric sheep. Fan JS, et al. **Clin Exp Pharmacol Physiol** 5(6):673–7, Nov–Dec 78

Effect of hormones on lipolysis during the neonatal period. Melichar V, et al. **Czech Med** 1(4):223–8, 1978

Corticosteroid response of rabbits and rats to exogenous ACTH. Boiti C, et al. **Endocr Res Commun** 5(1):21–33, 1978

An examination of possible mechanisms of angiotensin II-stimulated steroidogenesis. Douglas J, et al. **Endocr Res Commun** 5(2):173–88, 1978

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

Isolation and characterization of cyclic AMP-resistant variants from a functional adrenal cortical cell line. Masui H, et al. **Exp Cell Res** 117(1):219–30, Nov 78

cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri) Chavin W, et al. **Gen Comp Endocrinol** 35(4):445–50, Aug 78

Pituitary--adrenal influences on avoidance behavior of pigs. Mormède P, et al. **Horm Behav** 10(3):285–97, Jun 78

Effects of sodium nitroprusside and ascorbic acid on rat adrenocortical cell cGMP levels and steroidogenesis. Laychock SG, et al. **J Cyclic Nucleotide Res** 4(5):335–44, Oct 78

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311–21, Aug 78

The correlation of cyclic AMP and protein kinase activity in adipocytes with lipolysis stimulated by ACTH: the effect of adenosine deaminase and actinomycin D. Wong EH, et al. **J Cyclic Nucleotide Res** 4(5):359–74, Oct 78

Effect of adrenocorticotropin injection and stress on milk cortisol content. Bremel RD, et al. **J Dairy Sci** 61(8):1103–8, Aug 78

Stimulation of adrenal 5-ene,3beta-hydroxysteroid dehydrogenase by corticotrophin in vitro. Loveridge N, et al. **J Endocrinol** 78(3):457–8, Sep 78

Cultured adrenocortical cells in various states of differentiation: electron microscopic characterization and ultrastructural response to adrenocorticotrophin. Slavinski-Turley EA, et al. **J Endocrinol** 78(3):427–34, Sep 78

Effects of ionophore A23187 on in vitro rat adrenal corticosterone production. Lymangrover JR, et al. **Life Sci** 23(11):1193–9, 18 Sep 78

Comparisons of synthetic 1–18 ACTH (Organon 2001) and 1–39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9–12)8(1–8):4–6, Jan–Dec 76

Serum cortisol and dehydroepiandrosterone sulfate responses to adrenocorticotropin stimulation in premature infants. Noguchi A, et al. **Pediatr Res** 12(11):1057–61, Nov 78

ACTH, but not corticosterone impairs habituation and reduces exploration. File SE. **Pharmacol Biochem Behav** 9(2):161–6, Aug 78

Role of ACTH on the effect of medroxyprogesterone in brain stem serotonin. Izquierdo JA, et al. **Pharmacol Res Commun** 10(7):643–56, Jul 78

Influence of temperature on the immune response of birds. Thaxton P. **Poult Sci** 57(5):1430–40, Sep 78 (73 ref.)

Prostacyclin: a potent stimulator of adrenal steroidogenesis. Ellis EF, et al. **Prostaglandins** 16(4):483–90, Oct 78

The primate fetal pituitary-adrenal axis in the perinatal period. Jaffee RB, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:58–64, 1978

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Cortisol, adrenocorticotropic hormone and apolipoprotein synthesis in rat hepatocytes] Titov VN, et al. **Biull Eksp Biol Med** 86(11):538–40, Nov 78 (Eng. Abstr.) **(Rus)**

[Development of the concept of hypertensive disease as pathology of the cellular membranes. The role of disordered intracellular calcium distribution] Postnov IuV. **Kardiologiia** 18(11):15–22, Nov 78 **(Rus)**

[Contents of catecholamines and corticosteroids in tissues of quinea pigs with C-hypovitaminosis] Lesnykh LD, et al. **Ukr Biokhim Zh** 50(5):592–5, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Detection of the critical period of pituitary-adrenal system development during postembryonic chicken ontogenesis] Avrutina AIa, et al. **Zh Evol Biokhim Fiziol** 14(5):441–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Relationship between plasma levels of cortisol and corticosterone in subjects with different ACTH activity (author's transl)] Rodriguez JA, et al. **Rev Med Chil** 106(6):415–9, Jun 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Investigations on the turnover of adrenocortical mitochondria. XII. Studies on the mechanism of the ACTH-induced elongation of the half-life of rat zona fasciculata mitochondria. Nussdorfer GG, et al. **Anat Rec** 192(3):435–40, Nov 78

A graph analysis of the relationship between population density and social pathology. Sengel RA. **Behav Sci** 23(4):213–24, Jul 78

Involvement of ACTH and MSH in active and passive avoidance behavior. van Wimersma Greidanus TB, et al. **Brain Res Bull** 3(3):227–30, May–Jun 78

The neurochemistry of learning and memory. Dunn AJ. **Environ Health Perspect** 26:143–7, Oct 78 (63 ref.)

The effect of pituitary–adrenal function in the modulation of pain sensitivity in the rat. Heybach JP, et al. **J Physiol (Lond)** 283:331–40, Oct 78

Role of ACTH on the effect of medroxyprogesterone in brain stem serotonin. Izquierdo JA, et al. **Pharmacol Res Commun** 10(7):643–56, Jul 78

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

[Immunocytochemical localization of neurons containing ACTH 17–39 in the rat brain] Toubeau G. **C R Acad Sci [D] (Paris)** 287(5):499–502, 18 Sep 78 (Eng. Abstr.) **(Fre)**

[Pathogenesis of edema in pregnant women] Shekhtman MM. **Akush Ginekol (Mosk)** (11):1–5, Nov 78 (48 ref.) **(Rus)**

[Relationship between plasma levels of cortisol and corticosterone in subjects with different ACTH activity (author's transl)] Rodríguez JA, et al. **Rev Med Chil** 106(6):415–9, Jun 78 (Eng. Abstr.) **(Spa)**

SECRETION

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Cellular injury of adrenocorticotropic pituitary tumor (AtT-20) by corticosteroid in mice. Ito A, et al. **Gan** 69(4):525–31, Aug 78

Ectopic production of ACTH by a primary adenocarcinoma of the colon. Stambaugh JE Jr, et al. **J Med Soc NJ** 75(13):925–6, Dec 78

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

The role of cyclic AMP in CRF-induced ACTH secretion. Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

[Long-term treatment with corticoids in respiratory disorders] Minette A. **Rev Inst Hyg Mines (Hasselt)** 32(2):51–75, 1977 (134 ref.) (Eng. Abstr.) **(Dut)**

[The ectopic ACTH syndrome] Pelkonen R, et al. **Duodecim** 94(22):1377–84, 1978 **(Fin)**

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

[Corticotropic function of the pituitary gland in Cushing's syndrome treated with chloditane] Slavnov VN, et al. **Ter Arkh** 50(11):72–5, 1978 (Eng. Abstr.) **(Rus)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep–Oct 78 **(Rus)**

THERAPEUTIC USE

The place of steroids in the therapy of toxic megacolon. Meyers S, et al. **Gastroenterology** 75(4):729–31, Oct 78

Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. Isarangkura M, et al. **J Med Assoc Thai** 61(11):647–50, Nov 78

Steroids in acute polyneuropathy [letter] Hughes RA, et al. **Lancet** 2(8104–5):1383, 23–30 Dec 78

A.C.T.H. in Guillain–Barré syndrome [letter] McQuillen MP, et al. **Lancet** 2(8101):1209, 2 Dec 78

Problems of symptomatic therapy in multiple sclerosis. Bauer HJ. **Neurology (Minneap)** 29(9 Pt 2):8–20, Sep 78

A review of systemic nonspecific immunosuppressive treatment of multiple sclerosis. Ellison GW, et al. **Neurology (Minneap)** 29(9 Pt 2):132–9, Sep 78 (56 ref.)

[Long-term treatment with corticoids in respiratory disorders] Minette A. **Rev Inst Hyg Mines (Hasselt)** 32(2):51–75, 1977 (134 ref.) (Eng. Abstr.) **(Dut)**

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925–30, 1 Dec 78 (41 ref.) **(Ger)**

[Therapy of giant-cell hepatitis (letter)] Teller WM. **Dtsch Med Wochenschr** 103(45):1774, 10 Nov 78 **(Ger)**

[A peculiar type of chronic persisting hepatitis (author's transl)] Wildhirt E. **MMW** 120(46):1541–4, 17 Nov 78 (Eng. Abstr.) **(Ger)**

COSYNTROPIN

THERAPEUTIC USE

[Diagnostic and therapeutical problems of the Dermatitis herpetiformis Duhring of tender age (author's transl)] Grosser V, et al. **Dermatol Monatsschr** 164(9):640–8, Sep 78 (Eng. Abstr.) **(Ger)**

[Therapy of juvenile rheumatoid arthritis. Personal experience] Chiossi FM. **Minerva Pediatr** 30(22):1767–71, 30 Nov 78 **(Ita)**

DESMOPRESSIN

PHARMACODYNAMICS

Effects of vasopressin and its deamino-D-arginine analogue on renin release in the isolated perfused rat kidney. Konrads A, et al. **Pfluegers Arch** 377(1):81–5, 18 Oct 78

FSH

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

ADMINISTRATION & DOSAGE

Studies on ovarian and uterine weight responses to follicle stimulating hormone. Jacobs MM. **Tex Rep Biol Med** 36:121–32, 1978

ADVERSE EFFECTS

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

ANALYSIS

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul–Aug 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133–42, 1978

[FSH, LH and prolactin in the ejaculate following i.v. injection of LH-RH and TRH] Krause W. **Z Hautkr** 53(23):893–5, 1 Dec 78 **(Ger)**

[Level of immunoreactive follicle-stimulating hormone in the pituitary and blood of human fetuses] Kuznetsova LV, et al. **Ontogenez** 9(5):487–94, 1978 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

BIOSYNTHESIS

Biosynthesis of gonadotropins by rat pituitary cells in culture and in pituitary homogenates: effect of gonadotropin-releasing hormone. Khar A, et al. **Mol Cell Endocrinol** 12(1):53–65, Oct 78

BLOOD

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker

JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

A case of intermittent ovarian failure. Schreiber JR, et al. **Am J Obstet Gynecol** 132(6):698–9, 15 Nov 78

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Reifenstein's syndrome--a target cell failure. Glezerman M, et al. **Andrologia** 10(5):353–6, Sep-Oct 78

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul-Aug 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep-Oct 78

The effects of mesterolone on the male accessory sex organs, on spermiogram, plasma testosterone and FSH. Nikkanen V. **Andrologia** 10(4):299–306, Jul-Aug 78

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Ovarian-dependent development of a stimulatory effect of 5alpha-dihydrotestosterone on serum follicle stimulating hormone in the ovariectomized rat. Campbell GT, et al. **Biol Reprod** 19(3):612–9, Oct 78

Partial characterization of FSH suppressing activity (folliculostatin) in porcine follicular fluid using the metestrous rat as an in vivo bioassay model. Lorenzen JR, et al. **Biol Reprod** 19(3):635–40, Oct 78

Sexual maturation of the cold-exposed male rat: alterations in secondary sexual organ sensitivity to testosterone. Nazian SJ, et al. **Biol Reprod** 19(2):256–60, Sep 78

Plasma gonadotropins, prolactin and progesterone at the time of implantation in the mouse: effects of hypoxia and restricted dietary intake. Rattner BA, et al. **Biol Reprod** 19(3):558–65, Oct 78

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Undernutrition, puberty and the development of estrogen positive feedback in the female rat. Ronnekleiv OK, et al. **Biol Reprod** 19(2):414–24, Sep 78

Can follicle stimulating hormone estimation replace testicular biopsy in the diagnosis of obstructive azoospermia? Hargreave TB, et al. **Br J Urol** 50(6):415–8, Oct 78

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297–302, Oct 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Roulier R, et al. **Clin Endocrinol (Oxf)** 9(4):303–11, Oct 78

Pituitary-gonadal function in XYY and XXY men identified in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Effect of acute myocardial infarction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

A comparison of hemodialysis and transplantation in reversing the uremic disturbance of male reproductive function. Holdsworth SR, et al. **Clin Nephrol** 10(4):146–50, Oct 78

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue - a new approach to birth control? Nillius SJ, et al. **Contraception** 17(6):537–44, Jun 78

Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Toivonen J, et al. **Contraception** 18(3):201–11, Sep 78

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al. **Endocr Res Commun** 5(2):135–59, 1978

Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391–6, Aug 78

The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Sakakura M, et al. **Endocrinol Jpn** 25(4):335–9, Aug 78

LH-releasing hormone stimulation test in prepubertal diagnosis of hypogonadotropic syndromes. Kosowicz J, et al. **Endokrynol Pol** 29(6):491–500, Nov-Dec 78

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

Clinical studies with d-TRP6-luteinizing hormone-releasing hormone in men with hypogonadotropic hypogonadism. Jaramillo CJ, et al. **Fertil Steril** 30(4):430–5, Oct 78

Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez-Rigau LJ, et al. **Fertil Steril** 30(5):577–85, Nov 78

Effect of estriol administration on the hypogonadal woman. Schiff I, et al. **Fertil Steril** 30(3):278–82, Sep 78

The effect of intra-amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600–3, Nov 78

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Diagnostic approach to ovarian dysfunction. Lehmann F. **Horm Res** 9(6):319–38, 1978

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

Radioimmunoassay of protein hormones: principles and methodology. Reuter AM, et al. **Horm Res** 9(6):404–21, 1978

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365–78, 1978

Pure crystalline estradiol pellet implantation for contraception. Asch RH, et al. **Int J Fertil** 23(2):100–5, 1978

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Some aspects of the relationship between body weight and sexual behaviour with particular reference to massive obesity and anorexia nervosa. Crisp AH. **Int J Obes** 2(1):17–32, 1978

Some psychobiological aspects of adolescent growth and their relevance for the fat/thin syndrome (anorexia nervosa). Crisp AH. **Int J Obes** 1(3):231–8, 1977

Site of blood sampling in rats as a possible source of error in hormone determinations. Döhler KD, et al. **J Endocrinol** 79(1):141–2, Oct 78

Relationships between prolactin and follicle-stimulating hormone during early pregnancy and the puerperium. Khattab TY, et al. **J Endocrinol** 78(3):351–8, Sep 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. Collins PM, et al. **J Reprod Fertil** 54(2):285–91, Nov 78

Relationships between short-term variations of LH, FSH, prolactin and testosterone in peripheral plasma of prepubertal bulls. Schams D, et al. **J Reprod Fertil** 54(1):145–8, Sep 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441-5, Nov 78

Pineal gland, F.S.H., and breast-cancer aetiology [letter] Adami HO, et al. **Lancet** 2(8103):1312-3, 16 Dec 78

Restoration of the periovulatory follicle-stimulating hormone surges in sera by luteinizing hormone releasing hormone in phenobarbital-blocked rats. Ashiru OA, et al. **Life Sci** 23(14):1507-13, 9 Oct 78

Influence of arginine vasotocin on the estrogen-induced surge of LH and FSH in adult ovariectomized rats. Blask DE, et al. **Life Sci** 23(10):1035-40, 11 Sep 78

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245-56, 27 Nov 78

Normal values in adult Zambians. X. Serum follicle stimulating hormone (FSH) in normal Zambian males and females in the reproductive period of life; estimation by the radioimmunoassay kit. Mikolajkow IA, et al. **Med J Zambia** 12(2):55-6, Apr-May 78

Measurement of FSH in the ovarian tissue by radioimmunoassay: correlation to serum FSH levels and follicular development in the hamster. Sheela Rani CS, et al. **Mol Cell Endocrinol** 11(3):293-307, Sep 78

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188-91, 1978

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178-80, 1978

Isolated follicle-stimulating hormone deficiency revisited. Ovulation and conception in presence of circulating antibody to follicle-stimulating hormone. Rabinowitz D, et al. **N Engl J Med** 300(3):126-8, 18 Jan 79

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392-6, 21 Dec 78

LH and FSH responses to subcutaneous or intravenous luteinizing hormone-releasing hormone (LH-RH) in rats at different sexual conditions. Yamazaki I, et al. **Nippon Funin Gakkai Zasshi** 23(4):405-13, Oct 78

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445-50, Oct 78

Estrogen treatment of girls with constitutional tall stature. Bierich JR. **Pediatrics** 62(6 Pt 2):1196-201, Dec 78

Treatment of Turner's syndrome with estrogen. Levine LS. **Pediatrics** 62(6 Pt 2):1178-83, Dec 78

Causes of high twinning frequencies in Nigeria. Nylander PP. **Prog Clin Biol Res** 24 Pt B:35-43, 1978

Neuroendocrine changes in acute schizophrenia as a function of clinical state and neuroleptic medication. Cotes PM, et al. **Psychol Med** 8(4):657-65, Nov 78

Proestrous levels of LH and FSH subsequent to adrenalectomy the same morning. Castracane VD, et al. **Tex Rep Biol Med** 36:63-7, 1978

[Longitudinal study of the effect of exogenous LH-RH upon serumlevels of LH and FSH and upon plasma-oestradiol during a regular cycle in women (author's transl)] Horský J, et al. **Cesk Gynekol** 43(9):677-80, Nov 78 (Eng. Abstr.) **(Cze)**

[LH and FSH levels in irregular maturation of the endometrium] Kohoutek F, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 21(2):109-16, 1978 (Eng. Abstr.) **(Cze)**

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109-13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

[The new synthetic gestagen danazol in the treatment of endometriosis, fibrosystic disease of the breast and prolonged primary infertility (author's transl)] Goebel R, et al. **Geburtshilfe Frauenheilkd** 38(11):932-40, Nov 78 (Eng. Abstr.) **(Ger)**

[Investigations on pituitary-testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929-35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[The hormonal dynamics picture of tamoxifen treatment cases, in comparison of clomid treatment cases (author's transl)] Tajima C, et al. **Nippon Funin Gakkai Zasshi** 23(4):398-404, Oct 78 (Eng. Abstr.) **(Jpn)**

[Study on the pituitary response to [Des-Gly10-NH2, Pro9-ethylamide]-LH-RH in women with normal menstrual cycles (author's transl)] Ohkura T. **Nippon Naibunpi Gakkai Zasshi** 54(9):1079-102, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Abnormality of sex hormone and pituitary-gonadal axis in liver disease (author's transl)] Morimoto I. **Nippon Naika Gakkai Zasshi** 67(6):580-90, 10 Jun 78 **(Jpn)**

[Radioimmunologic determination of FSH and LH in the blood of women with the hypothalamic syndrome] Baron J, et al. **Endokrynol Pol** 29(6):485-90, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

[Azoospermia caused by South American pemphigus foliaceus. Apropos of a case study] Proença NG, et al. **Rev Inst Med Trop Sao Paulo** 20(5):307-11, Sep-Oct 78 (Eng. Abstr.) **(Por)**

[Modern principles of the diagnosis of sterility in women] Manuilova IA. **Akush Ginekol (Mosk)** (10):5-9, 1978 (20 ref.) **(Rus)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34-8, 1978 (Eng. Abstr.) **(Rus)**

[Current trends in the treatment of the climacteric syndrome] Vikhliaeva EM. **Akush Ginekol (Mosk)** (10):63-7, 1978 (0 ref.) **(Rus)**

[Gonadotropic and androgenic functions in myocardial infarct] Tuev AV, et al. **Klin Med (Mosk)** 56(10):53-5, Oct 78 **(Rus)**

[Level of immunoreactive follicle-stimulating hormone in the pituitary and blood of human fetuses] Kuznetsova LV, et al. **Ontogenez** 9(5):487-94, 1978 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Isolated follicle-stimulating hormone deficiency revisited. Ovulation and conception in presence of circulating antibody to follicle-stimulating hormone. Rabinowitz D, et al. **N Engl J Med** 300(3):126-8, 18 Jan 79

Isolated FSH deficiency in a male. A case report. Hägg E, et al. **Scand J Urol Nephrol** 12(3):287-9, 1978

IMMUNOLOGY

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680-7, Oct 78

Isolated follicle-stimulating hormone deficiency revisited. Ovulation and conception in presence of circulating antibody to follicle-stimulating hormone. Rabinowitz D, et al. **N Engl J Med** 300(3):126-8, 18 Jan 79

ISOLATION & PURIFICATION

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680-7, Oct 78

METABOLISM

Some properties of the interaction of follicle stimulating hormone with bovine granulosa cells and its inhibition by follicular fluid. Darga NC, et al. **Biol Reprod** 19(2):235-41, Sep 78

Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364-7, Sep 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431-8, Sep 78

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329-62, Aug 78 (132 ref.)

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348-53, Sep 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59-68, Oct 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275-8, Nov 78

Reduction in FSH receptors in the rat testis by injection of homologous hormone. O'Shaughnessy PJ, et al. **Mol Cell Endocrinol** 12(1):9-15, Oct 78

Measurement of FSH in the ovarian tissue by radioimmunoassay: correlation to serum FSH levels and follicular development in the hamster. Sheela Rani CS, et al. **Mol Cell Endocrinol** 11(3):293-307, Sep 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571-4, Nov 78

PHARMACODYNAMICS

Effects of FSH and LH administration on the testes and

seminal vesicles. Bentley MJ, et al. **Andrologia** 10(5):357–61, Sep–Oct 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Properties of particulate and detergent-solubilized adenylate cyclase of rat testis. Effects of follitropin stimulation. Abou-Issa H, et al. **Biochim Biophys Acta** 526(2):613–25, 12 Oct 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues. Amsterdam A, et al. **Biochim Biophys Acta** 544(2):273–83, 1 Dec 78

Some properties of the interaction of follicle stimulating hormone with bovine granulosa cells and its inhibition by follicular fluid. Darga NC, et al. **Biol Reprod** 19(2):235–41, Sep 78

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

The role of FSH in the selection of large ovarian follicles in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):606–11, Oct 78

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

Changes in cyclic AMP responses to FSH in isolated rat Sertoli cells during sexual maturation. Steinberger A, et al. **Biol Reprod** 19(3):566–72, Oct 78

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

Reduction in FSH receptors in the rat testis by injection of homologous hormone. O'Shaughnessy PJ, et al. **Mol Cell Endocrinol** 12(1):9–15, Oct 78

Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133–42, 1978

Studies on ovarian and uterine weight responses to follicle stimulating hormone. Jacobs MM. **Tex Rep Biol Med** 36:121–32, 1978

PHYSIOLOGY

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

SECRETION

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

Oestrogen amplification of LH-RH response in the polycystic ovary syndrome and response to clomiphene. Kandeel FR, et al. **Clin Endocrinol (Oxf)** 9(5):429–41, Nov 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

The difference between the sexes in their gonadotrophin responses to oestrogen or oestrogen-progestogen treatments [letter] Odell WD. **Clin Endocrinol (Oxf)** 9(4):387–8, Oct 78

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Effect of acute myocardial infarction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

The effect of heroin addiction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Specific suppression of follicle-stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

[12 cases of polycystic ovary type 1 (Stein–Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Higuchi T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1163–86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Diurnal cycle of changes in the structure and secretory activity of adenohypophyseal gonadotropocytes in domestic birds during the reproductive period] Novikov BG, et al. **Tsitol Genet** 12(5):392–6, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep–Oct 78 **(Rus)**

STANDARDS

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133–42, 1978

GONADOTROPINS

Immunoreactivity and receptor binding of mixed recombinants of human growth hormone and chorionic somatomammotropin. Burstein S, et al. **Proc Natl Acad Sci USA** 75(11):5391–4, Nov 78

[Speed of in vitro reassociation of gonadotropin subunits in a teleost fish, the carp (Cyprinus carpio L.)] Marchelidon J, et al. **C R Acad Sci [D] (Paris)** 287(4):301–4, 11 Sep 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

ANALYSIS

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

[Development of a gonadotropin bioassay system using isolated Leydig cells] Shimizu S, et al. **Horumon To Rinsho** 26(11):1136–43, Nov 78 **(Jpn)**

BLOOD

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Toivonen J, et al. **Contraception** 18(3):201–11, Sep 78

[Hypogonadotrophic hypogonadism and dysosmia] Ubachs

JM, et al. **Ned Tijdschr Geneeskd** 122(49):1912–6, 9 Dec 78 (Eng. Abstr.) **(Dut)**

[Case of olfacto-genital syndrome] Oziębło L, et al. **Endokrynol Pol** 29(5):417–20, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

DEFICIENCY

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

Selection of patients for human menopausal gonadotropin therapy. Berger MJ. **J Reprod Med** 21(3 Suppl):194–7, Sep 78

[Hypogonadotrophic hypogonadism and dysosmia] Ubachs JM, et al. **Ned Tijdschr Geneeskd** 122(49):1912–6, 9 Dec 78 (Eng. Abstr.) **(Dut)**

[Neopergonal treatment in male hypogonadotropic hypogonadism (author's transl)] Mattei A, et al. **Sem Hop Paris** 54(25–28):875–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

PHARMACODYNAMICS

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Statistical findings on the effects of fertility drugs on plural births. Wyshak G. **Prog Clin Biol Res** 24 Pt B:17–33, 1978

[Pharmacologic regulation of the functional activity of the lysosomal apparatus of the cell (review of the literature)] Nichoga VD, et al. **Farmakol Toksikol** 41(6):730–50, Nov–Dec 78 (223 ref.) **(Rus)**

PHYSIOLOGY

Testicular descent. Rajfer J, et al. **Birth Defects** 13(2):107–22, 1977 (52 ref.)

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

SECRETION

Dimethystilbestrol is not antiestrogenic for rat sexual behavior or gonadotropin secretion. Etgen AM, et al. **Biol Reprod** 19(2):454–8, Sep 78

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247–55, 24 Nov 78

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

[Physiology of the sex hormones] Zander J. **Fortschr Med** 96(40):2007–13, 26 Oct 78 **(Ger)**

[Testicular neoplasms: New endocrinologic and clinical results] Jacobi GH. **Urologe [A]** 17(6):399–401, Nov 78 **(Ger)**

GONADOTROPINS, PITUITARY

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

ANALYSIS

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267–73, Jun 78

BIOSYNTHESIS

[Study on the pituitary response to [Des-Gly10-NH2, Pro9-ethylamide]-LH-RH in women with normal menstrual cycles (author's transl)] Ohkura T. **Nippon Naibunpi Gakkai Zasshi** 54(9):1079–102, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

BLOOD

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267–73, Jun 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78

[Diagnostic and therapeutic use of LH releasing hormone in juvenile uterine hemorrhage] Komorowska A, et al. **Ginekol Pol** 49(7):625–31, Jul 78 (Eng. Abstr.) **(Pol)**

[Importance of determining prolactin and gonadotropic hormones in the diagnosis of different forms of endocrine sterility] Pshenichnikova TIa, et al. **Akush Ginekol (Mosk)** (10):13–8, 1978 (Eng. Abstr.) **(Rus)**

METABOLISM

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431–8, Sep 78

SECRETION

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

[Oestrogens and clinical supervision: criterion of the hypothalamo-hypophyseal response to clomiphen citrate (proceedings) (author's transl)] Levrier M, et al. **Ann Endocrinol (Paris)** 39(3):261–2, 1978 (Eng. Abstr.) **(Fre)**

[Secretory dynamics of gonadotropins in children with growth disorders during sleep and its clinical significance] Kawano N, et al. **Horumon To Rinsho** 26(11):1104–9, Nov 78 **(Jpn)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Experience with the induction of ovulation. Gemzell CA. **J Reprod Med** 21(3 Suppl):205–7, Sep 78

LH

Porcine lutropin: a study of the association of its subunits by hydrogen-deuterium exchange. Combarnous Y, et al. **Biochem Biophys Res Commun** 84(4):1119–24, 30 Oct 78

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

Structure of human luteinizing hormone alpha subunit. Keutmann HT, et al. **Endocr Res Commun** 5(1):57–70, 1978

Effect of conformation of hCG-beta on generation of hCG-specific antibody. Lerario AC, et al. **Endocr Res Commun** 5(1):43–55, 1978

[Speed of in vitro reassociation of gonadotropin subunits in a teleost fish, the carp (Cyprinus carpio L.)] Marchelidon J, et al. **C R Acad Sci [D] (Paris)** 287(4):301–4, 11 Sep 78

(Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

ANALYSIS

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH–RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul–Aug 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

[FSH, LH and prolactin in the ejaculate following i.v. injection of LH–RH and TRH] Krause W. **Z Hautkr** 53(23):893–5, 1 Dec 78 **(Ger)**

[Development of a gonadotropin bioassay system using isolated Leydig cells] Shimizu S, et al. **Horumon To Rinsho** 26(11):1136–43, Nov 78 **(Jpn)**

ANTAGONISTS & INHIBITORS

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

Role of prostaglandin F2alpha in modulation of LH-stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

Prostaglandin inhibition of testosterone production induced by luteinizing hormone, dibutyryl cyclic AMP or 3-isobutyl-1-methyl xanthine in dispersed rat testicular interstitial cells. Grotjan HE Jr, et al. **Steroids** 32(3):307–22, Oct 78

BIOSYNTHESIS

Biosynthesis of gonadotropins by rat pituitary cells in culture and in pituitary homogenates: effect of gonadotropin-releasing hormone. Khar A, et al. **Mol Cell Endocrinol** 12(1):53–65, Oct 78

BLOOD

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789–95, Dec 78

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Studies on the duration of egg transport by the human oviduct. II. Ovum location at various intervals following luteinizing hormone peak. Croxatto HB, et al. **Am J Obstet Gynecol** 132(6):629–34, 15 Nov 78

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Sexual function and affect in parkinsonian men treated with L-dopa. Brown E, et al. **Am J Psychiatry** 135(12):1552–5, Dec 78

Reifenstein's syndrome--a target cell failure. Glezerman M, et al. **Andrologia** 10(5):353–6, Sep–Oct 78

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH–RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul–Aug 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Plasma prolactin levels in the sow during lactation and the postweaning period as measured by radioimmunoassay. Bevers MM, et al. **Biol Reprod** 19(3):628–34, Oct 78

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Regulation of plasma LH by estradiol and progesterone in ovariectomized mares. Garcia MC, et al. **Biol Reprod** 19(2):447–53, Sep 78

Sexual differences in steroid facilitated luteinizing hormone release independent from timing of secretion and effect of bleeding procedures. Harlan RE, et al. **Biol Reprod** 19(3):580–4, Oct 78

Sexual maturation of the cold-exposed male rat: alterations in secondary sexual organ sensitivity to testosterone. Nazian SJ, et al. **Biol Reprod** 19(2):256–60, Sep 78

Plasma gonadotropins, prolactin and progesterone at the time of implantation in the mouse: effects of hypoxia and restricted dietary intake. Rattner BA, et al. **Biol Reprod** 19(3):558–65, Oct 78

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Undernutrition, puberty and the development of estrogen positive feedback in the female rat. Ronnekleiv OK, et al. **Biol Reprod** 19(2):414–24, Sep 78

Plasma concentrations of luteinizing hormone and prolactin in the ovariectomized ewe during induced hyperthermia. Schillo KK, et al. **Biol Reprod** 19(2):306–13, Sep 78

Relationship between plasma concentration of luteinising hormone and intensity of lay in the domestic hen. Wilson SC. **Br Poult Sci** 19(5):643–50, Sep 78

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247–55, 24 Nov 78

Luteinizing hormone releasing action of N-methyl aspartate is blocked by GABA or taurine but not by dopamine antagonists. Price MT, et al. **Brain Res** 158(2):461–5, 15 Dec 78

Preliminary clinical observations of luteinizing hormone-releasing hormone stimulation test. Chu HH, et al. **Chin Med J [Engl]** 4(5):343–8, Sep 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297–302, Oct 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Roulier R, et al. **Clin Endocrinol (Oxf)** 9(4):303–11, Oct 78

Pituitary-gonadal function in XYY and XXY men identified in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78

Galactorrhoea-amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Tolis G. **Clin Endocrinol (Oxf)** 6 Suppl:81S–89S, 1977

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Effect of acute myocardial infarction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

A comparison of hemodialysis and transplantation in reversing the uremic disturbance of male reproductive function. Holdsworth SR, et al. **Clin Nephrol** 10(4):146–50, Oct 78

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue - a new approach to birth control? Nillius SJ, et al. **Contraception** 17(6):537–44, Jun 78

Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Toivonen J, et al. **Contraception** 18(3):201–11, Sep 78

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al. **Endocr Res Commun** 5(2):135–59, 1978

Effect of steroids in combination with LH–RH on the release of LH and FSH in LH–RH–primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391–6, Aug 78

LH–releasing hormone stimulation test in prepubertal diagnosis of hypogonadotropic syndromes. Kosowicz J, et al. **Endokrynol Pol** 29(6):491–500, Nov–Dec 78

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Puberty–related alterations in the organization of sleep––wakefulness states: differences between spontaneous and induced pubertal conditions. Sieck GC, et al. **Exp Neurol** 61(2):407–20, 1 Sep 78

The effect of glycine on serum luteinizing hormone in adult female rats. Morishita H, et al. **Experientia** 34(9):1231–2, 15 Sep 78

Response of the hypothalamic–pituitary–testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

The effect of aspirin (prostaglandin synthetase inhibitor) on ovulation. Greenway FL, et al. **Fertil Steril** 30(3):364–5, Sep 78

Clinical studies with d–TRP6–luteinizing hormone–releasing hormone in men with hypogonadotropic hypogonadism. Jaramillo CJ, et al. **Fertil Steril** 30(4):430–5, Oct 78

Effect of postovulatory treatment with a luteinizing hormone–releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez–Rigau LJ, et al. **Fertil Steril** 30(5):577–85, Nov 78

Effect of estriol administration on the hypogonadal woman. Schiff I, et al. **Fertil Steril** 30(3):278–82, Sep 78

The effect of intra–amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

Unusual anti–reproductive properties of the analog [d–Leu6,des–Gly–NH2(10)]–luteinizing hormone–releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600–3, Nov 78

Effect of injectable contraceptives Depo–Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone–releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

LH secretion in the cockerel and the effects of castration and testosterone injections. Wilson SC. **Gen Comp Endocrinol** 35(4):481–90, Aug 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Diagnostic approach to ovarian dysfunction. Lehmann F. **Horm Res** 9(6):319–38, 1978

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

Radioimmunoassay of protein hormones: principles and methodology. Reuter AM, et al. **Horm Res** 9(6):404–21, 1978

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365–78, 1978

The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67–94. Fuxe K, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Effects of antidepressants on pituitary hormones. pp. 255–78. Laakmann G, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Pure crystalline estradiol pellet implantation for contraception. Asch RH, et al. **Int J Fertil** 23(2):100–5, 1978

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Some aspects of the relationship between body weight and sexual behaviour with particular reference to massive obesity and anorexia nervosa. Crisp AH. **Int J Obes** 2(1):17–32, 1978

Some psychobiological aspects of adolescent growth and their relevance for the fat/thin syndrome (anorexia nervosa). Crisp AH. **Int J Obes** 1(3):231–8, 1977

Pituitary responsiveness following infusion or repeated injections of [D–Leu6, des Gly–NH210]–LHRH–ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235–40, Jul 78

Effect of season and artificial photoperiod on levels of estradiol–17beta and estrone in blood serum of stallions. Thompson DL, et al. **J Anim Sci** 47(1):184–7, Jul 78

Antiandrogenic effects of the pineal gland and melatonin in castrated and intact prepubertal male rats. Alonso R, et al. **J Endocrinol** 79(1):77–83, Oct 78

Effects of high altitude on endocrine function in the Sherpas of Nepal. Bangham CR, et al. **J Endocrinol** 79(1):147–8, Oct 78

Plasma concentrations of luteinizing hormone, testosterone and androstenedione in castrated and adrenalectomized bull calves. Bass JJ, et al. **J Endocrinol** 79(1):137–8, Oct 78

Activity of the pituitary–adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side–chain cleavage enzyme. Takatori T, et al. **J Endocrinol** 79(1):41–8, Oct 78

Evidence for pleiomorphism of luteinizing hormone in peripubertal female rats. ter Haar MB, et al. **J Endocrinol** 79(1):133–4, Oct 78

Specific suppression of follicle–stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

Activation of hypothalamic neuronal activity by the electrolytic deposition of iron into the preoptic area. van der Schoot P, et al. **J Endocrinol** 79(1):107–20, Oct 78

The accessory optic system and the retino–hypothalamic system. A review. Mai JK. **J Hirnforsch** 19(3):213–88, 1978

Cyclic analogues of luteinizing hormone–releasing hormone with significant biological activities. Seprodi J, et al. **J Med Chem** 21(9):993–5, Sep 78

Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. Carmel PW, et al. **J Neurosurg** 50(1):75–80, Jan 79

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Effects of chronic marihuana use on integrated plasma testosterone and luteinizing hormone levels. Mendelson JH, et al. **J Pharmacol Exp Ther** 207(2):611–7, Nov 78

Effect of oestradiol–17beta on monoamine concentrations in the hypothalamus of anoestrous ewe [proceedings] Kendall DA, et al. **J Physiol (Lond)** 282:44P–45P, Sep 78

Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. Collins PM, et al. **J Reprod Fertil** 54(2):285–91, Nov 78

Plasma LH concentrations after single or double injections of synthetic LH–RH in dairy cows. Foster JP. **J Reprod Fertil** 54(1):119–21, Sep 78

Seasonal variation in the histology of the testis of the red deer, Cervus elaphus. Hochereau–de Reviers MT, et al. **J Reprod Fertil** 54(2):209–13, Nov 78

The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). Milligan SR. **J Reprod Fertil** 54(2):309–11, Nov 78

Ovarian function in suckling and non–suckling beef cows post partum. Radford HM, et al. **J Reprod Fertil** 54(1):49–56, Sep 78

Relationships between short–term variations of LH, FSH, prolactin and testosterone in peripheral plasma of prepubertal bulls. Schams D, et al. **J Reprod Fertil** 54(1):145–8, Sep 78

Effects of an LH–RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Effects of anesthesia, rapid blood sampling and castration on testosterone and luteinizing hormone levels in the adult male rabbit. Moor BC, et al. **J Steroid Biochem** 6(11–12):1527–30, Nov–Dec 75

Restoration of the periovulatory follicle–stimulating hormone surges in sera by luteinizing hormone releasing hormone in phenobarbital–blocked rats. Ashiru OA, et al. **Life Sci** 23(14):1507–13, 9 Oct 78

Influence of arginine vasotocin on the estrogen–induced surge of LH and FSH in adult ovariectomized rats. Blask DE, et al. **Life Sci** 23(10):1035–40, 11 Sep 78

Effect of hyperprolactinemia and 2–BR–alpha–ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil–Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

Hypothalamic–pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188–91, 1978

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392–6, 21 Dec 78

LH and FSH responses to subcutaneous or intravenous luteinizing hormone-releasing hormone (LH-RH) in rats at different sexual conditions. Yamazaki I, et al. **Nippon Funin Gakkai Zasshi** 23(4):405–13, Oct 78

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

Natural family planning. I. The peak symptom and estimated time of ovulation. Hilgers TW, et al. **Obstet Gynecol** 52(5):575–82, Nov 78

Estrogen treatment of girls with constitutional tall stature. Bierich JR. **Pediatrics** 62(6 Pt 2):1196–201, Dec 78

Treatment of Turner's syndrome with estrogen. Levine LS. **Pediatrics** 62(6 Pt 2):1178–83, Dec 78

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161–4, Oct 78

Neuroendocrine changes in acute schizophrenia as a function of clinical state and neuroleptic medication. Cotes PM, et al. **Psychol Med** 8(4):657–65, Nov 78

Proestrous levels of LH and FSH subsequent to adrenalectomy the same morning. Castracane VD, et al. **Tex Rep Biol Med** 36:63–7, 1978

[Longitudinal study of the effect of exogenous LH-RH upon serumlevels of LH and FSH and upon plasma-oestradiol during a regular cycle in women (author's transl)] Horský J, et al. **Cesk Gynekol** 43(9):677–80, Nov 78 (Eng. Abstr.) **(Cze)**

[LH and FSH levels in irregular maturation of the endometrium] Kohoutek F, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 21(2):109–16, 1978 (Eng. Abstr.) **(Cze)**

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

[The new synthetic gestagen danazol in the treatment of endometriosis, fibrosystic disease of the breast and prolonged primary infertility (author's transl)] Goebel R, et al. **Geburtshilfe Frauenheilkd** 38(11):932–40, Nov 78 (Eng. Abstr.) **(Ger)**

[Investigations on pituitary-testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[The hormonal dynamics picture of tamoxifen treatment cases, in comparison of clomid treatment cases (author's transl)] Tajima C, et al. **Nippon Funin Gakkai Zasshi** 23(4):398–404, Oct 78 (Eng. Abstr.) **(Jpn)**

[Study on the pituitary response to [Des-Gly10-NH2, Pro9-ethylamide]-LH-RH in women with normal menstrual cycles (author's transl)] Ohkura T. **Nippon Naibunpi Gakkai Zasshi** 54(9):1079–102, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Temporal relationship of LH and estradiol at mid cycle (author's transl)] Uemura T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):855–65, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Abnormality of sex hormone and pituitary-gonadal axis in liver disease (author's transl)] Morimoto I. **Nippon Naika Gakkai Zasshi** 67(6):580–90, 10 Jun 78 **(Jpn)**

[Radioimmunologic determination of FSH and LH in the blood of women with the hypothalamic syndrome] Baron J, et al. **Endokrynol Pol** 29(6):485–90, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

[Azoospermia caused by South American pemphigus foliaceus. Apropos of a case study] Proença NG, et al. **Rev Inst Med Trop Sao Paulo** 20(5):307–11, Sep-Oct 78 (Eng. Abstr.) **(Por)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

[Current trends in the treatment of the climacteric syndrome] Vikhliaeva EM. **Akush Ginekol (Mosk)** (10):63–7, 1978 (0 ref.) **(Rus)**

[Gonadotropic and androgenic functions in myocardial infarct] Tuev AV, et al. **Klin Med (Mosk)** 56(10):53–5, Oct 78 **(Rus)**

DIAGNOSTIC USE

[Comments on the diagnosis of tubal pregnancy (author's transl)] Grünberger W, et al. **Geburtshilfe Frauenheilkd** 38(11):943–5, Nov 78 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

ISOLATION & PURIFICATION

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

METABOLISM

Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364–7, Sep 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431–8, Sep 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Stimulation of prolactin release by vasoactive intestinal peptide (VIP). Ruberg M, et al. **Eur J Pharmacol** 51(3):319–20, 1 Oct 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Short-loop feedback of luteinizing hormone: dose-response relationships and specificity. Patritti-Laborde N, et al. **Fertil Steril** 30(4):456–60, Oct 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Effects of intraventricular injection of gastrin on release of LH, prolactin, TSH and GH in conscious ovariectomized rats. Vijayan E, et al. **Life Sci** 23(22):2225–32, 27 Nov 78

Measurement of FSH in the ovarian tissue by radioimmunoassay: correlation to serum FSH levels and follicular development in the hamster. Sheela Rani CS, et al. **Mol Cell Endocrinol** 11(3):293–307, Sep 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571–4, Nov 78

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

PHARMACODYNAMICS

Effect of luteinizing hormone on ovarian release of steroids: ovarian vein-sampling technique in conscious gilt. Eiler H. **Am J Vet Res** 39(10):1695–8, Oct 78

Effects of FSH and LH administration on the testes and seminal vesicles. Bentley MJ, et al. **Andrologia** 10(5):357–61, Sep-Oct 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues. Amsterdam A, et al. **Biochim Biophys Acta** 544(2):273–83, 1 Dec 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

Short-loop feedback of luteinizing hormone: dose-response relationships and specificity. Patritti-Laborde N, et al. **Fertil Steril** 30(4):456–60, Oct 78

Hormonal activation of protein kinase in isolated Leydig cells. Electrophoretic analysis of cyclic AMP receptors. Podesta

EJ, et al. **J Biol Chem** 253(24):8994–9001, 25 Dec 78

Ovulatory response of hypophysectomized hamsters to deferred injection of LH. Greenwald GS. **J Reprod Fertil** 54(2):323–4, Nov 78

Evidence for the presence of oestrone, oestradiol–17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov–Dec 75

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445–9, Oct 75

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Properties of LH-sensitive adenylate cyclase in purified plasma membranes from rat ovary. Mintz Y, et al. **Mol Cell Endocrinol** 11(3):265–83, Sep 78

Effect of a phosphodiesterase inhibitor, 3–isobutyl 1–methylxanthine, upon the stimulatory effect of human follicle–stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'–monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

Role of prostaglandin F2alpha in modulation of LH–stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Triebwasser WF, et al. **Prostaglandins** 16(4):621–32, Oct 78

Studies on ovarian and uterine weight responses to follicle stimulating hormone. Jacobs MM. **Tex Rep Biol Med** 36:121–32, 1978

[In–vitro stimulation of sperm motility using a deproteinized hemodevivative and a luteinizing hormone] Milbradt R, et al. **Hautarzt** 29(12):652–6, Dec 78 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophins and ovarian–follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Evidence for pleiomorphism of luteinizing hormone in peripubertal female rats. ter Haar MB, et al. **J Endocrinol** 79(1):133–4, Oct 78

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

SECRETION

Plasminogen activator in vaginal smears during the menstrual cycle. Oster G, et al. **Acta Cytol (Baltimore)** 22(4):234–8, Jul–Aug 78

Gonadotrophin release during chronic administration of D–ser (TBU)6 LH–RH–EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789–95, Dec 78

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Gonadotrophin releasing hormone analogues. Coy DH, et al. **Ann Clin Res** 10(3):139–44, 1978

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

Dissociation between release of luteinizing hormone and prolactin and induction of female sexual behavior in normal and androgenized rats. Harlan RE, et al. **Biol Reprod** 19(2):439–46, Sep 78

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

Oestrogen amplification of LH–RH response in the polycystic ovary syndrome and response to clomiphene. Kandeel FR, et al. **Clin Endocrinol (Oxf)** 9(5):429–41, Nov 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

The difference between the sexes in their gonadotrophin responses to oestrogen or oestrogen–progestogen treatments [letter] Odell WD. **Clin Endocrinol (Oxf)** 9(4):387–8, Oct 78

Galactorrhoea–amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Tolis G. **Clin Endocrinol (Oxf)** 6 Suppl:81S–89S, 1977

Effect of acute myocardial infarction on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

Effect of surgical stress on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

The effect of heroin addiction on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

In vitro effect of LH–RH on RNA content and synthesis in isolated anterior pituitary cells from intact and castrated female rats. Biró J. **Endocrinol Exp (Bratisl)** 12(3):193–8, Sep 78

Sex differences in prolactin release after stimulation of the preoptic–suprachiasmatic region at selected pulse frequencies in castrated rats. Colombo JA. **Exp Neurol** 61(2):455–64, 1 Sep 78

Effect of injectable contraceptives Depo–Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone–releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

LH secretion in the cockerel and the effects of castration and testosterone injections. Wilson SC. **Gen Comp Endocrinol** 35(4):481–90, Aug 78

Failure of histamine to induce the release of luteinizing hormone in castrated rats primed with sex steroids. Donoso AO, et al. **J Endocrinol** 78(3):447–8, Sep 78

Maturational changes in the characteristics of oestrogen–induced surges of luteinizing hormone in immature domestic gilts. Elsaesser F, et al. **J Endocrinol** 78(3):455–6, Sep 78

Steroid feedback on luteinizing hormone secretion during sexual maturation in the pig. Elsaesser F, et al. **J Endocrinol** 78(3):329–42, Sep 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Mechanism of first surge of luteinizing hormone and vaginal opening in the normal rat, and effect of neonatal androgen [proceedings] Fink G, et al. **J Physiol (Lond)** 282:34P–35P, Sep 78

Time of ovulation in ewes after treatment with a prostaglandin F–2alpha analogue. Acritopoulou S, et al. **J Reprod Fertil** 54(1):189–91, Sep 78

Plasma LH concentrations after single or double injections of synthetic LH–RH in dairy cows. Foster JP. **J Reprod Fertil** 54(1):119–21, Sep 78

The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). Milligan SR. **J Reprod Fertil** 54(2):309–11, Nov 78

Gonadoliberin–promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol–17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Apomorphine–induced inhibition of episodic LH release in ovariectomized rats with complete hypothalamic deafferentation. Arendash GW, et al. **Proc Soc Exp Biol Med** 159(1):121–5, Oct 78

Does time of exposure to estradiol and LHRH effect LH release from bovine pituitary cells? Padmanabhan V, et al. **Proc Soc Exp Biol Med** 159(1):157–60, Oct 78

[New data on the mechanism of action of clomiphene (news)] Presl J. **Cesk Gynekol** 43(9):717–8, Nov 78 **(Cze)**

[12 cases of polycystic ovary type 1 (Stein–Leventhal syndrome): complete hormonal study (author's transl)] Mauvais–Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

[Mechanism of gonadotropin secretion in rats (author's transl)] Kawakami M. **Nippon Hinyokika Gakkai Zasshi** 69(9):1133–5, Sep 78 **(Jpn)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78

(Eng. Abstr.) **(Jpn)**

[Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Higuchi T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1163–86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Diurnal cycle of changes in the structure and secretory activity of adenohypophyseal gonadotropocytes in domestic birds during the reproductive period] Novikov BG, et al. **Tsitol Genet** 12(5):392–6, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

LIPOTROPIN

ANALYSIS

Presence of immunoreactive beta-lipotropin and beta-endorphin in human placenta. Nakai Y, et al. **Life Sci** 23(20):2013–8, 13 Nov 78

[Immunocytological evidence for beta-LPH, alpha- and beta-endorphin in pituitary gland of normal and anencephalic human fetuses (proceedings) (author's transl)] Begeot M, et al. **Ann Endocrinol (Paris)** 39(3):235–6, 1978 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

LYPRESSIN

PHARMACODYNAMICS

Vasopressin antagonizes retrograde amnesia in rats following electroconvulsive shock. Pfeifer WD, et al. **Pharmacol Biochem Behav** 9(2):261–3, Aug 78

MENOTROPINS

ADMINISTRATION & DOSAGE

Therapeutic regimens and monitoring techniques for human menopausal gonadotropin administration. March CM. **J Reprod Med** 21(3 Suppl):198–204, Sep 78

ADVERSE EFFECTS

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

Complications of gonadotropin therapy. March CM. **J Reprod Med** 21(3 Suppl):208–11, Sep 78

PHARMACODYNAMICS

The study of induction of ovulation with menotropins: analysis of results of 1897 treatment cycles. Oelsner G, et al. **Fertil Steril** 30(5):538–44, Nov 78

[Neopergonal treatment in male hypogonadotropic hypogonadism (author's transl)] Mattei A, et al. **Sem Hop Paris** 54(25–28):875–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Maintenance of spermatogenesis induced by HMG treatment by means of continuous HCG treatment in hypogonadotrophic men. Johnsen SG. **Acta Endocrinol (Copenh)** 89(4):763–9, Dec 78

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

The study of induction of ovulation with menotropins: analysis of results of 1897 treatment cycles. Oelsner G, et al. **Fertil Steril** 30(5):538–44, Nov 78

Selection of patients for human menopausal gonadotropin therapy. Berger MJ. **J Reprod Med** 21(3 Suppl):194–7, Sep 78

Experience with the induction of ovulation. Gemzell CA. **J Reprod Med** 21(3 Suppl):205–7, Sep 78

Therapeutic regimens and monitoring techniques for human menopausal gonadotropin administration. March CM. **J Reprod Med** 21(3 Suppl):198–204, Sep 78

Selection and pretreatment evaluation of patients treated with human menopausal gonadotropins. Mishell DR Jr. **J Reprod Med** 21(3 Suppl):191–3, Sep 78

Isolated follicle-stimulating hormone deficiency revisited. Ovulation and conception in presence of circulating antibody to follicle-stimulating hormone. Rabinowitz D, et al. **N Engl J Med** 300(3):126–8, 18 Jan 79

[Neopergonal treatment in male hypogonadotropic hypogonadism (author's transl)] Mattei A, et al. **Sem Hop Paris** 54(25–28):875–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Selection criteria for the treatment with HMG + HCG in sterile patients (author's transl)] Portuondo JA, et al. **Rev Esp Obstet Ginecol** 37(238):354–61, Jul–Aug 78 **(Spa)**

MSH

BIOSYNTHESIS

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

IMMUNOLOGY

Involvement of ACTH and MSH in active and passive avoidance behavior. van Wimersma Greidanus TB, et al. **Brain Res Bull** 3(3):227–30, May–Jun 78

METABOLISM

Extravascular transfer within the anuran pars intermedia. Perryman EK, et al. **Cell Tissue Res** 193(2):297–313, 17 Oct 78

Disapearance and excretion of labeled alpha-MSH in man. Redding TW, et al. **Pharmacol Biochem Behav** 9(2):207–12, Aug 78

PHARMACODYNAMICS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

Stimulation of dendritogenesis in the epidermal melanocytes of newborn mice by melanocyte-stimulating hormone. Hirobe T. **J Cell Sci** 33:371–83, Oct 78

PHYSIOLOGY

Involvement of ACTH and MSH in active and passive avoidance behavior. van Wimersma Greidanus TB, et al. **Brain Res Bull** 3(3):227–30, May–Jun 78

The fetal brain and intrauterine growth. Swaab DF, et al. **Postgrad Med J** 54 Suppl 1:63–73, 1978

Examination of hormonally regulated functions in differentially metastasizing melanoma cells. Niles RM, et al. **Surg Forum** 28:145–7, 1977

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Secretion of melanophore-stimulating hormone (MSH) in long-term cultures of pituitary neurointermediate lobes. Semoff S, et al. **Cell Tissue Res** 194(1):55–69, 9 Nov 78

URINE

Disapearance and excretion of labeled alpha-MSH in man. Redding TW, et al. **Pharmacol Biochem Behav** 9(2):207–12, Aug 78

NEUROPHYSINS

Evidence from hydrogen-1 and carbon-13 nuclear magnetic resonance studies that the dissociation rate of oxytocin from bovine neurophysin at neutral pH is slow. Blumenstein M, et al. **Biochemistry** 17(23):4971-7, 14 Nov 78

BLOOD

Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. Carmel PW, et al. **J Neurosurg** 50(1):75-80, Jan 79

METABOLISM

Evidence for in vitro release of neurophysin by the rat pineal gland. Reinharz AC, et al. **Experientia** 34(9):1232-3, 15 Sep 78

Investigation of a dopaminergic mechanism for regulating oxytocin release. Seybold VS, et al. **J Pharmacol Exp Ther** 207(2):605-10, Nov 78

SECRETION

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207-40, 1978 (109 ref.)

[Maturation of vasopressin in the hypothalamo-hypophyseal system of the developing rat (proceedings) (author's transl)] Sinding C, et al. **Ann Endocrinol (Paris)** 39(3):223-4, 1978 (Eng. Abstr.) **(Fre)**

OXYTOCICS

The oxytocic effect of centrally injected prostaglandins E2 and F2alpha. Fujimoto S, et al. **Jpn J Pharmacol** 28(5):791-3, Oct 78

[Labor induction and synchronized farrowing of swine with synthetic prostaglandins of the F2alpha type] Kostov L. **Vet Med Nauki** 15(3):55-63, 1978 (Eng. Abstr.) **(Bul)**

[Computer evaluation of tocograms following administration of Spasmalgan (denaverin)] Zanke S, et al. **Zentralbl Gynaekol** 100(18):1182-5, 1978 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Observations on fetal monitoring] Frontera F. **Arch Ostet Ginecol** 81(4-6):115-47, Jul-Dec 76 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Programmed delivery] Gitsch E, et al. **Wien Med Wochenschr** 128(21):669-72, 1978 **(Ger)**

OXYTOCIN

Ripening of the uterine cervix and induction of labour at term with prostaglandin E2 in viscous gel. Wingerup L, et al. **Acta Obstet Gynecol Scand** 57(5):403-6, 1978

Conformational studies on [Pro3, Gly4]-oxytocin in dimethyl sulfoxide by 1H nuclear magnetic resonance spectroscopy: evidence for a type II beta turn in the cyclic moiety. Ballardin A, et al. **Biochemistry** 17(21):4443-54, 17 Oct 78

Evidence from hydrogen-1 and carbon-13 nuclear magnetic resonance studies that the dissociation rate of oxytocin from bovine neurophysin at neutral pH is slow. Blumenstein M, et al. **Biochemistry** 17(23):4971-7, 14 Nov 78

ADMINISTRATION & DOSAGE

Induction of labor with oral prostaglandin E2 in normal and high-risk pregnancies. Nelson GH, et al. **Am J Obstet Gynecol** 132(6):642-8, 15 Nov 78

Oxytocin, vasopressin and memory: opposite effects on consolidation and retrieval processes. Bohus B, et al. **Brain Res** 157(2):414-7, 24 Nov 78

ADVERSE EFFECTS

Macrosomia. A proposed indication for primary cesarean section. Parks DG, et al. **Obstet Gynecol** 52(4):407-9, Oct 78

ANALOGS & DERIVATIVES

Affinity of 1,2-substituted oxytocin analogues to the uterus receptor: Free-Wilson and Hansch analysis. Pliška V. **Experientia** 34(9):1190-2, 15 Sep 78

ANALYSIS

[Oxytocin in the blood during pregnancy and labor] Dawood MY, et al. **Ugeskr Laeger** 140(48):2992-6, 27 Nov 78 (Eng. Abstr.) **(Dan)**

ANTAGONISTS & INHIBITORS

[Contractile effect of oxytocin on isolated pig's myometrium] Rocki W, et al. **Ginekol Pol** 49(11):949-53, Nov 78 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Neurobiology of peptides. Iversen LL, et al. **Neurosci Res Program Bull** 16(2):209-370, Jun 78 (448 ref.)

BLOOD

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1-70, 1978 (121 ref.)

[Oxytocin in the blood during pregnancy and labor] Dawood MY, et al. **Ugeskr Laeger** 140(48):2992-6, 27 Nov 78 (Eng. Abstr.) **(Dan)**

[Radioimmunological determination of oxytocin in human plasma] Vanden Driessche R, et al. **Verh K Acad Geneeskd Belg** 40(3):131-48, 1978 (Eng. Abstr.) **(Dut)**

[Studies on oxytocin secretion during pregnancy, labor and post-delivery in the human (author's transl)] Ogawa S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1229-37, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Oxytocin challenge test. Sethi S. **Am J Nurs** 78(12):2111-5, Dec 78

Oxytocin challenge test [letter] **Am J Obstet Gynecol** 132(6):702-3, 15 Nov 78

The management of high risk pregnancy. Anuman-Rajadhon Y, et al. **J Med Assoc Thai** 61(10):576-85, Oct 78

[The antepartum oxytocin fetal assessment challenge test 1,827 case histories. Significance of 'prepathological testing'. 'Results' (author's transl)] Novo-Dominguez A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):819-26, May-Jun 78 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Effects of oxytocin antiserum and of indomethacin on hCG-induced ovulation in the rabbit. Roca RA, et al. **Biol Reprod** 19(3):552-7, Oct 78

[Radioimmunological determination of oxytocin in human plasma] Vanden Driessche R, et al. **Verh K Acad Geneeskd Belg** 40(3):131-48, 1978 (Eng. Abstr.) **(Dut)**

METABOLISM

Effect of oxytocin on the blood glucose concentration. Filipov P, et al. **Acta Physiol Pharmacol Bulg** 4(1):38-41, 1978

Affinity of 1,2-substituted oxytocin analogues to the uterus receptor: Free-Wilson and Hansch analysis. Pliška V. **Experientia** 34(9):1190-2, 15 Sep 78

Investigation of a dopaminergic mechanism for regulating oxytocin release. Seybold VS, et al. **J Pharmacol Exp Ther** 207(2):605-10, Nov 78

PHARMACODYNAMICS

Choosing a vasopressor for the pregnant patient. Nicholson CJ, et al. **AANA J** 46(3):265-70, Jun 78

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1-70, 1978 (121 ref.)

Effect of oxytocin on the blood glucose concentration. Filipov P, et al. **Acta Physiol Pharmacol Bulg** 4(1):38-41, 1978

Effects of hyperinsulinemia on lactose secretion and glucose uptake by the goat mammary gland. Hove K. **Acta Physiol Scand** 104(4):422-30, Dec 78

Electrical and mechanical activity of rat uterus in vivo during the estrous cycle. Ishikawa M, et al. **Am J Obstet Gynecol** 132(6):611-9, 15 Nov 78

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

Relation between total uterine impulse, method of delivery and one-minute Apgar score. Rossavik IK. **Br J Obstet Gynaecol** 85(11):847–51, Nov 78

Oxytocin, vasopressin and memory: opposite effects on consolidation and retrieval processes. Bohus B, et al. **Brain Res** 157(2):414–7, 24 Nov 78

Influence of arginine vasotocin on the estrogen-induced surge of LH and FSH in adult ovariectomized rats. Blask DE, et al. **Life Sci** 23(10):1035–40, 11 Sep 78

Arginine vasopressin maintains ethanol tolerance. Hoffman PL, et al. **Nature** 276(5688):614–6, 7 Dec 78

[The antepartum oxytocin fetal assessment challenge test 1,827 case histories. Significance of 'prepathological testing'. 'Results' (author's transl)] Novo-Dominguez A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):819–26, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Contractile effect of oxytocin on isolated pig's myometrium] Rocki W, et al. **Ginekol Pol** 49(11):949–53, Nov 78 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Theories regarding endocrine contributions to the onset of labor. Gay J. **JOGN Nurs** 7(5):42–7, Sep–Oct 78

[Lactation physiology and weaning] Brundin J. **Katilolehti** 83(10):362–8 contd, Oct 78 **(Swe)**

SECRETION

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

[Maturation of vasopressin in the hypothalamo-hypophyseal system of the developing rat (proceedings) (author's transl)] Sinding C, et al. **Ann Endocrinol (Paris)** 39(3):223–4, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Third stage management: how important is it? Fliegner JR. **Med J Aust** 2(5):190–3, 26 Aug 78

Abortion failure [letter] Cates W Jr, et al. **Obstet Gynecol** 52(4):511–2, Oct 78

[Technics of medicamentous management of labor] Kohoutek M. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 21(2):99–103, 1978 (Eng. Abstr.) **(Cze)**

PITUITARY HORMONES

BLOOD

Effects of antidepressants on pituitary hormones. pp. 255–78. Laakmann G, et al. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

CEREBROSPINAL FLUID

Neuroendocrine aspects of neurology. Hyyppä MT, et al. **Ann Clin Res** 10(3):133–8, 1978 (36 ref.)

PHARMACODYNAMICS

Effect of polypeptide hormones on stimulation of casein secretion by mouse mammary epithelial cells grown on floating collagen gels. Katiyar VN, et al. **In Vitro** 14(9):771–4, Sep 78

Studies on oocyte maturation of the medaka, Oryzias latipes. VI. Relationship between the circadian cycle of oocyte maturation and activity of the pituitary gland. Iwamatsu T. **J Exp Zool** 206(3):355–63, Dec 78

PHYSIOLOGY

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Pituitary ablation and its effect on diabetic retinopathy. Kelly WF, et al. **Int Ophthalmol Clin** 18(4):165–78, Winter 78

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

SECRETION

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

The posteromedial hypothalamus and pain, behavior, with special reference to endocrinological findings. Mayanagi Y, et al. **Appl Neurophysiol** 41(1–4):223–31, 1978

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(3):233–50, Jul–Sep 78 **(Pol)**

THERAPEUTIC USE

Craniopharyngioma: the role of radiation therapy. Thompson IL, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):1059–63, Nov–Dec 78

PITUITARY HORMONES, ANTERIOR

BLOOD

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

[Steroid-induced suppression of the anterior pituitary function and its recovery] Masuyama T, et al. **Horumon To Rinsho** 26(11):1130–5, Nov 78 **(Jpn)**

[Effects of amoxapine, imipramine and sulpiride on anterior pituitary hormone levels in the blood of normal subjects] Yoshizawa H, et al. **Horumon To Rinsho** 26(9):975–86, Sep 78 **(Jpn)**

METABOLISM

Pituitary siderosis. A histologic, immunocytologic, and ultrastructural study. Bergeron C, et al. **Am J Pathol** 93(2):295–309, Nov 78

SECRETION

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

The effect of intra-amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

PITUITARY HORMONES, POSTERIOR

ADMINISTRATION & DOSAGE

The physiologic properties and therapeutic potential of coherin. Hiatt RB, et al. **Am J Surg** 137(1):82–6, Jan 79

ADVERSE EFFECTS

The physiologic properties and therapeutic potential of coherin. Hiatt RB, et al. **Am J Surg** 137(1):82–6, Jan 79

PHARMACODYNAMICS

[Effect of several drugs and nonspecific substances on the uterine microflora of cows during the puerperal period and at the time of impregnation] Konstantinov P, et al. **Vet Med Nauki** 15(3):36–41, 1978 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

The physiologic properties and therapeutic potential of coherin. Hiatt RB, et al. **Am J Surg** 137(1):82–6, Jan 79

PROLACTIN

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

ANALYSIS

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul–Aug 78

The rat estrous cycle associated with functional corpora lutea and the mechanism of its recurrence. Naito H, et al. **Endocrinol Jpn** 25(4):367–76, Aug 78

Isolation of prolactin from salmon pituitary. Idler DR, et al. **Gen Comp Endocrinol** 35(4):409–18, Aug 78

Amniotic fluid prolactin. Mukherjee TK, et al. **NY State J Med** 78(14):2165–7, Dec 78

[Prolactin in the ejaculates of sterile and healthy men] Protich M, et al. **Akush Ginekol (Sofiia)** 17(5):326–8, 1978 (Eng. Abstr.) **(Bul)**

[FSH, LH and prolactin in the ejaculate following i.v. injection of LH-RH and TRH] Krause W. **Z Hautkr** 53(23):893–5, 1 Dec 78 **(Ger)**

[Radioimmunological evaluation of hormonal parameters in the stimulation and inhibition of lactogenesis] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):37–57, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

[Radioimmunological determination of prolactin and hormonal correlations in pregnancy at term and in the puerperium] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):23–36, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Hyperprolactinaemia and Graves' disease [letter] Barnett AH, et al. **Lancet** 2(8101):1210, 2 Dec 78

BIOSYNTHESIS

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

The lack of an effect of cholinergic agonists on anterior pituitary prolactin production in vitro. Campbell MD, et al. **Experientia** 34(11):1522–3, 15 Nov 78

De novo synthesis of prolactin by human decidua. Riddick DH, et al. **Life Sci** 23(19):1913–21, 9 Nov 78

BLOOD

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Effects of tricyclic antidepressants on human plasma levels of TSH, GH and prolactin. Widerlöv E, et al. **Acta Psychiatr Scand** 58(5):449–56, Nov 78

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Serum prolactin and clinical state during neuroleptic treatment and withdrawal. Laughren TP, et al. **Am J Psychiatry** 136(1):108–10, Jan 79

Reifenstein's syndrome--a target cell failure. Glezerman M, et al. **Andrologia** 10(5):353–6, Sep–Oct 78

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul–Aug 78

Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Franks S, et al. **Ann Clin Res** 10(3):157–63, 1978

Prolactin and female reproduction. Seppälä M. **Ann Clin Res** 10(3):164–70, 1978

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638–41, Nov 78

Hyperprolactinemia in multiple endocrine adenomatosis, type 1. Carlson HE, et al. **Arch Intern Med** 138(12):1807–8, Dec 78

Hyperprolactinemia and the multiple endocrine adenomatosis type 1 (MEA-1) syndrome [editorial] Levine JH, et al. **Arch Intern Med** 138(12):1777–8, Dec 78

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738–9, Nov 78

Evidence for a role of insulin in the regulation of lipogenesis in lactating rat mammary gland. Measurements of lipogenesis in vivo and plasma hormone concentrations in response to starvation and refeeding. Robinson AM, et al. **Biochem J** 176(1):343–6, 15 Oct 78

The time course of the effect of hypophysectomy and oestrogen treatment on the hepatic metabolism of androst-4-ene-3,17-dione in male and female rats. Skett P. **Biochem J** 174(3):753–60, 15 Sep 78

The pattern of plasma prolactin concentration during the first half of mouse gestation. Barkley MS, et al. **Biol Reprod** 19(2):291–6, Sep 78

Plasma prolactin levels in the sow during lactation and the postweaning period as measured by radioimmunoassay. Bevers MM, et al. **Biol Reprod** 19(3):628–34, Oct 78

Influence of ovarian hormones on prolactin release in the rhesus monkey. Milmore JE. **Biol Reprod** 19(3):593–6, Oct 78

Sexual maturation of the cold-exposed male rat: alterations in secondary sexual organ sensitivity to testosterone. Nazian SJ, et al. **Biol Reprod** 19(2):256–60, Sep 78

Plasma gonadotropins, prolactin and progesterone at the time of implantation in the mouse: effects of hypoxia and restricted dietary intake. Rattner BA, et al. **Biol Reprod** 19(3):558–65, Oct 78

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Plasma concentrations of luteinizing hormone and prolactin in the ovariectomized ewe during induced hyperthermia. Schillo KK, et al. **Biol Reprod** 19(2):306–13, Sep 78

Comparison of placebo and bromocriptine in the treatment of patients with normoprolactinaemic amenorrhoea. Crosignani PG, et al. **Br J Obstet Gynaecol** 85(10):773–5, Oct 78

Plasma prolactin in pregnancy induced hypertension. Jenkins DM, et al. **Br J Obstet Gynaecol** 85(10):754–7, Oct 78

A double blind trial of the prolactin inhibitor bromocriptine in painful benign breast disease. Mansel RE, et al. **Br J Surg** 65(10):724–7, Oct 78

Effect of chlormethiazole on serum prolactin. Majumdar SK, et al. **Br Med J** 2(6147):1266–7, 4 Nov 78

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337–49, Oct 78

Hyperprolactinaemia in renal disease. Cowden EA, et al. **Clin Endocrinol (Oxf)** 9(3):241–8, Sep 78

The use of bromocriptine in the galactorrhoea-amenorrhoea syndromes: the Canadian cooperative study. Friesen HG, et al. **Clin Endocrinol (Oxf)** 6 Suppl:91S–99S, 1977

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Prevention and suppression of post-partum lactation with 2-bromo-alpha-ergocryptine (CB-154). Macleod SC, et al. **Clin Endocrinol (Oxf)** 6 Suppl:65S–70S, 1977

Galactorrhoea-amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Tolis G. **Clin Endocrinol (Oxf)** 6 Suppl:81S–89S, 1977

Identification of the possible significance of prolactin in human reproduction. Tyson JE, et al. **Clin Obstet Gynaecol** 5(2):411–34, Aug 78 (129 ref.)

Somatomedin activity in human cord plasma and relationship to birth size, insulin, growth hormone, and prolactin. Ashton IK, et al. **Early Hum Dev** 2(2):115–22, Jul 78

Plasma TSH and prolactin response to insulin induced hypoglycemia in patients with hypothalamic pituitary disorsers. Demura R, et al. **Endocrinol Jpn** 25(4):361–5, Aug 78

Growth hormone and prolactin radioimmunoassay in early diagnosis of pituitary tumors. Gembicki M, et al. **Endokrynol Pol** 29(6):509–16, Nov–Dec 78

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Relationship between prolactin response and antipsychotic effect of thioridazine in psychiatric patients. Ohman R, et al. **Eur J Clin Pharmacol** 14(2):111–6, 16 Nov 78

Prediction of response to ergocryptine in the galactorrhea-amenorrhea syndrome. Corenblum B, et al. **Fertil Steril** 30(4):388–92, Oct 78

Lack of acute effects of pyridoxine on prolactin secretion and lactation. Husami N, et al. **Fertil Steril** 30(4):393–7, Oct 78

The effect of intra-amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al.

Helv Paediatr Acta 33(4–5):393–400, Nov 78

Dynamic evaluation of prolactin secretion with perphenazine in normal and hyperprolactinemic subjects. Buckman MT, et al. **Horm Metab Res** 10(5):400–8, Sep 78

Prolactin clearance rates in male rats. Jacobi JM, et al. **Horm Metab Res** 10(5):451–2, Sep 78

Concentrations and chromatographic profile of serum GH in old ob/ob mice. Sinha YN, et al. **Horm Metab Res** 10(5):454–5, Sep 78

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

Radioimmunoassay of protein hormones: principles and methodology. Reuter AM, et al. **Horm Res** 9(6):404–21, 1978

The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67–94. Fuxe K, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Effects of antidepressants on pituitary hormones. pp. 255–78. Laakmann G, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

An abnormal early evening peak of plasma prolactin in nulliparous and obese post-menopausal women. Kwa HG, et al. **Int J Cancer** 22(6):691–3, Dec 78

Abnormalities in evening plasma prolactin levels in nulliparous women with benign or malignant breast disease. Tarquini A, et al. **Int J Cancer** 22(6):687–90, Dec 78

Serum and seminal plasma prolactin levels in oligospermia. Koskimies AI, et al. **Int J Fertil** 23(1):76–8, 1978

Site of blood sampling in rats as a possible source of error in hormone determinations. Döhler KD, et al. **J Endocrinol** 79(1):141–2, Oct 78

Effect of reserpine on plasma concentrations of growth hormone and prolactin in the domestic fowl. Harvey S, et al. **J Endocrinol** 79(1):153–4, Oct 78

Relationships between prolactin and follicle-stimulating hormone during early pregnancy and the puerperium. Khattab TY, et al. **J Endocrinol** 78(3):351–8, Sep 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Circadian variations in the plasma concentration of prolactin in the adult male rat. Mattheij JA, et al. **J Endocrinol** 79(1):85–9, Oct 78

Prolactin in umbilical cord blood and the respiratory distress syndrome. Gluckman PD, et al. **J Pediatr** 93(6):1011–4, Dec 78

Opiate analgesics: the effect of agonist-antagonist character on prolactin secretion. Brown B, et al. **J Pharm Pharmacol** 30(10):644–5, Oct 78

Ovarian function in suckling and non-suckling beef cows post partum. Radford HM, et al. **J Reprod Fertil** 54(1):49–56, Sep 78

Relationships between short-term variations of LH, FSH, prolactin and testosterone in peripheral plasma of prepubertal bulls. Schams D, et al. **J Reprod Fertil** 54(1):145–8, Sep 78

Hyperprolactinaemia and Graves' disease [letter] Barnett AH, et al. **Lancet** 2(8101):1210, 2 Dec 78

Diagnosis of hyperprolactinaemia. Jeffcoate SL. **Lancet** 2(8102):1245–7, 9 Dec 78

Prolactin response to repeated electroconvulsive therapy in acute schizophrenia [letter] Meco G, et al. **Lancet** 2(8097):999, 4 Nov 78

Serum-prolactin in female infertility. Moore DM, et al. **Lancet** 2(8102):1243–5, 9 Dec 78

Prolactin secretion in XYY males [letter] Price WH, et al. **Lancet** 2(8101):1209, 2 Dec 78

Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

Simultaneous radioenzymatic assay of catecholamines and dihydroxy-phenylacetic acid /DOPAC/; comparison of the effects of drugs on the tuberoinfundibular and striatal dopamine metabolism and on plasma prolactin level. Fekete MI, et al. **Life Sci** 23(15):1549–56, 16 Oct 78

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Krulich L, et al. **Life Sci** 23(16):1665–73, 23 Oct 78

Partial maintenance of testes and accessory organs in blinded hamsters by homoplastic anterior pituitary grafts or exogenous prolactin. Matthews MJ, et al. **Life Sci** 23(11):1131–7, 18 Sep 78

The effect of mescaline, 3, 4-dimethoxyphenethylamine and 2, 5-dimethoxy-4-methylamphetamine on rat plasma prolactin: evidence for serotonergic mediation. Meltzer HY, et al. **Life Sci** 23(11):1185–92, 18 Sep 78

The adrenal rhythm and puberty onset in the female rat. Ramaley JA. **Life Sci** 23(21):2079–87, 20 Nov 78 (37 ref.)

Thyrotropin releasing hormone (TRH) is not the physiological prolactin releasing factor (PRF) in the male rat. Shin SH. **Life Sci** 23(17–18):1813–8, 30 Oct 78

d-Amphetamine raises serum prolactin in man: evaluations after chronic placebo, lithium and pimozide treatment. van Kammen DP, et al. **Life Sci** 23(14):1487–92, 9 Oct 78

Evidence for autonomous secretion of prolactin in some alcoholic men with cirrhosis and gynecomastia. Van Thiel DH, et al. **Metabolism** 27(12):1778–84, Dec 78

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188–91, 1978

Prolactin levels in tardive dyskinesia [letter] Cohen KL, et al. **N Engl J Med** 300(1):46, 4 Jan 79

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

Ketamine as an anesthetic for obtaining plasma for rat prolactin assays. Meltzer HY, et al. **Proc Soc Exp Biol Med** 159(1):12–5, Oct 78

Neuroendocrine changes in acute schizophrenia as a function of clinical state and neuroleptic medication. Cotes PM, et al. **Psychol Med** 8(4):657–65, Nov 78

Peripheral alpha-adrenoreceptor and central dopamine receptor activity in depressive patients. Coppen A, et al. **Psychopharmacology (Berlin)** 59(2):171–7, 31 Oct 78

Measurements of prolactin and androgens in patients with prostatic disease. Saroff J, et al. **Surg Forum** 28:568–9, 1977

[Hyperprolactinemic amenorrhea treated with bromocriptine] Larsen S, et al. **Ugeskr Laeger** 140(47):2927–9, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Ovulation induction with bromocryptin] Coelingh Bennink HJ. **Ned Tijdschr Geneeskd** 122(47):1831–40, 25 Nov 78 (Eng. Abstr.) **(Dut)**

[Prolactin function in erectile idiopathic impotence] Buvat J, et al. **Probl Actuels Endocrinol Nutr** (21):165–83, 1977 **(Fre)**

[Influence of primary hyperprolactinemia on male sex behavior] Fossati P, et al. **Probl Actuels Endocrinol Nutr** (21):151–64, 1977 **(Fre)**

[Sexuality in hyperprolactinemic patients] Merceron RE, et al. **Probl Actuels Endocrinol Nutr** (21):185–9, 1977 **(Fre)**

[Therapeutics in 1978] Dry J, et al. **Rev Prat** 28(41):3077–8, 3081–4, 3087–90, 21 Sep 78 (36 ref.) **(Fre)**

[The new synthetic gestagen danazol in the treatment of endometriosis, fibrosystic disease of the breast and prolonged primary infertility (author's transl)] Goebel R, et al. **Geburtshilfe Frauenheilkd** 38(11):932–40, Nov 78 (Eng. Abstr.) **(Ger)**

[Renal function in chronic hepatopathies] Gentilini P, et al. **Minerva Med** 69(47):3215–30, 6 Oct 78 (159 ref.) **(Ita)**

[Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Serum prolactin level in chronic renal failure] Hasegawa K, et al. **Nippon Rinsho** 36(8):2999–3005, Aug 78 **(Jpn)**

[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

[Modern principles of the diagnosis of sterility in women] Manuilova IA. **Akush Ginekol (Mosk)** (10):5–9, 1978 (20 ref.) **(Rus)**

[Importance of determining prolactin and gonadotropic hormones in the diagnosis of different forms of endocrine sterility] Pshenichnikova TIa, et al. **Akush Ginekol (Mosk)** (10):13–8, 1978 (Eng. Abstr.) **(Rus)**

[Reaction between prolactin and serum proteins. II. Prolactin-binding gamma globulin of normal animal serum] Marinchenko GV, et al. **Probl Endokrinol (Mosk)** 24(6):89–93, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[L-dopa and prolactin in breast neoplasms and dysplasia] Moguilevsky L, et al. **Medicina (B Aires)** 38(1):27–30, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Principles of radioreceptor assay for prolactin. Gomez F, et al. **Clin Endocrinol (Oxf)** 6 Suppl:1S–7S, 1977

Isolation of prolactin from salmon pituitary. Idler DR, et al. **Gen Comp Endocrinol** 35(4):409–18, Aug 78

METABOLISM

Diet and breast cancer: a review. Hankin JH, et al. **Am J Clin Nutr** 31(11):2005–16, Nov 78 (91 ref.)

Neuroendocrine aspects of neurology. Hyyppä MT, et al. **Ann Clin Res** 10(3):133–8, 1978 (36 ref.)

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Stimulation of prolactin release by vasoactive intestinal peptide (VIP). Ruberg M, et al. **Eur J Pharmacol** 51(3):319–20, 1 Oct 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Prolactin clearance rates in male rats. Jacobi JM, et al. **Horm Metab Res** 10(5):451–2, Sep 78

Prolactin cell adenomas of the human pituitary. Morphologic features of prolactin cells in the nontumorous portions of the anterior lobe. Kovacs K, et al. **Horm Metab Res** 10(5):409–12, Sep 78

Concentrations and chromatographic profile of serum GH in old ob/ob mice. Sinha YN, et al. **Horm Metab Res** 10(5):454–5, Sep 78

Serum and seminal plasma prolactin levels in oligospermia. Koskimies AI, et al. **Int J Fertil** 23(1):76–8, 1978

The uptake of prolactin into female rat liver. Concentration of intact hormone in the Golgi apparatus. Josefsberg Z, et al. **J Biol Chem** 254(1):209–14, 10 Jan 79

Nascent chicken ovalbumin contains the functional equivalent of a signal sequence. Lingappa VR, et al. **J Cell Biol** 79(2 Pt 1):567–72, Nov 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Variations in the response of enzyme-dissociated rat pituitary cells to thyrotropin releasing hormone. Moriarty CM, et al. **Life Sci** 23(20):2073–8, 13 Nov 78

Effects of intraventricular injection of gastrin on release of LH, prolactin, TSH and GH in conscious ovariectomized rats. Vijayan E, et al. **Life Sci** 23(22):2225–32, 27 Nov 78

Prolactin receptors in mouse liver: species differences in response to estrogenic stimulation. Marshall S, et al. **Proc Soc Exp Biol Med** 159(2):256–9, Nov 78

[Abnormal TSH, PRL and GH response to TSH releasing hormone in patients with severe liver cirrhosis (proceedings) (author's transl)] Schilienger JL, et al. **Ann Endocrinol (Paris)** 39(3):245–7, 1978 (Eng. Abstr.) **(Fre)**

[Lactation physiology and weaning] Brundin J. **Katilolehti** 83(10):362–8 contd, Oct 78 **(Swe)**

PHARMACODYNAMICS

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

Effect of prolactin on glomerular filtration rate. Riley AL, et al. **Clin Sci Mol Med** 55(4):335–9, Oct 78

Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Kawashima S, et al. **Endocrinol Jpn** 25(4):341–8, Aug 78

The role of prolactin in blocking thyroxine-induced differentiation of tail tissue in larval and neotenic Ambystoma tigrinum. Platt JE, et al. **Gen Comp Endocrinol** 35(4):402–8, Aug 78

Effect of prolactin on testis of the domestic pigeon Columba livia (Gmelin). Bhujle BV, et al. **Indian J Exp Biol** 16(8):890–2, Aug 78

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Partial maintenance of testes and accessory organs in blinded hamsters by homoplastic anterior pituitary grafts or exogenous prolactin. Matthews MJ, et al. **Life Sci** 23(11):1131–7, 18 Sep 78

Prostaglandin F2alpha induced termination of pregnancy and its reversal by prolactin or progesterone in rats. Saksena SK, et al. **Prostaglandins Med** 1(3):201–6, Sep 78

Studies on ovarian and uterine weight responses to follicle stimulating hormone. Jacobs MM. **Tex Rep Biol Med** 36:121–32, 1978

Hormonal activation of mammary gland peroxidase. Strum JM. **Tissue Cell** 10(3):505–14, 1978

PHYSIOLOGY

Postpartum amenorrhea: hormones versus nutrition [letter] Jelliffe DB, et al. **Am J Clin Nutr** 31(11):1977–8, Nov 78

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Prolactin and female reproduction. Seppälä M. **Ann Clin Res** 10(3):164–70, 1978

The thyroid, prolactin, and breast cancer [editorial] VanderLaan WP, et al. **Arch Intern Med** 138(11):1611–2, Nov 78

Prolactin. Proceedings of a one-day symposium organized by the Canadian Society of Endocrinology and Metabolism and the University of Toronto, Toronto, 6 December 1975. **Clin Endocrinol (Oxf)** 6 Suppl:1S–99S, 1977

Is there any association between the pharmacologic control of prolactin release and its action on mammary carcinogenesis in the rat? Feuer G, et al. **Clin Endocrinol (Oxf)** 6 Suppl:57S–63S, 1977

Principles of radioreceptor assay for prolactin. Gomez F, et al. **Clin Endocrinol (Oxf)** 6 Suppl:1S–7S, 1977

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

Identification of the possible significance of prolactin in human reproduction. Tyson JE, et al. **Clin Obstet Gynaecol** 5(2):411–34, Aug 78 (129 ref.)

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Possible influence of prolactin on intestinal hypertrophy in pregnant and lactating rats. Mainoya JR. **Experientia** 34(9):1230–1, 15 Sep 78

The survival of rat mammary gland cells following irradiation in vivo under different endocrinological conditions. Gould MN, et al. **Int J Radiat Oncol Biol Phys** 4(7–8):629–32, Jul–Aug 78

Metabolic and hormonal factors in diabetic retinopathy. Christensen NJ, et al. **Int Ophthalmol Clin** 18(4):55–72, Winter 78

Significance of prolactin in spontaneously persistent oestrous rats. Gosden RG. **J Endocrinol** 78(3):451–2, Sep 78

Prolactin in umbilical cord blood and the respiratory distress syndrome. Gluckman PD, et al. **J Pediatr** 93(6):1011–4, Dec 78

[Physiology of the sex hormones] Zander J. **Fortschr Med** 96(40):2007–13, 26 Oct 78 **(Ger)**

SECRETION

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Neuropharmacological intervention on the pituitary-hypothalamic relationship. Tuomisto J. **Ann Clin Res** 10(3):120–32, 1978

Pituitary apoplexy following chlorpromazine stimulation. Silverman VE, et al. **Arch Intern Med** 138(11):1738–9, Nov 78

Dissociation between release of luteinizing hormone and prolactin and induction of female sexual behavior in normal and androgenized rats. Harlan RE, et al. **Biol Reprod** 19(2):439–46, Sep 78

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)

Body weight and endocrine function in anorexia nervosa [letter] Leslie RD, et al. **Br Med J** 2(6150):1498, 25 Nov 78

Prolactin. Proceedings of a one-day symposium organized by the Canadian Society of Endocrinology and Metabolism and the University of Toronto, Toronto, 6 December 1975. **Clin Endocrinol (Oxf)** 6 Suppl:1S–99S, 1977

Effect of psychosocial stimuli and limbic lesions on prolactin at rest and following stress. Brown GM, et al. **Clin Endocrinol (Oxf)** 6 Suppl:29S–41S, 1977

Normal prolactin response following thyrotrophin releasing hormone in patients with autonomously functioning euthyroid multinodular goitre. Elte JW, et al. **Clin Endocrinol (Oxf)** 9(5):413–7, Nov 78

Is there any association between the pharmacologic control of prolactin release and its action on mammary

carcinogenesis in the rat? Feuer G, et al. **Clin Endocrinol (Oxf)** 6 Suppl:57S–63S, 1977

The use of bromocriptine in the galactorrhoea–amenorrhoea syndromes: the Canadian cooperative study. Friesen HG, et al. **Clin Endocrinol (Oxf)** 6 Suppl:91S–99S, 1977

Morphology of prolactin producing adenomas. Kovacs K. **Clin Endocrinol (Oxf)** 6 Suppl:71S–79S, 1977

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Increased thyrotrophin secretion induced by sulpiride in man. Massara F, et al. **Clin Endocrinol (Oxf)** 9(5):419–28, Nov 78

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

Partial hypopituitarism in a patient with a pituitary stone. Mroueh A, et al. **Clin Endocrinol (Oxf)** 9(5):479–82, Nov 78

Physiologic secretion of growth hormone and prolactin in male and female rats. Terry LC, et al. **Clin Endocrinol (Oxf)** 6 Suppl:19S–28S, 1977

Galactorrhoea–amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Tolis G. **Clin Endocrinol (Oxf)** 6 Suppl:81S–89S, 1977

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

The amenorrhea–galactorrhea syndrome. Young RL. **Compr Ther** 4(9):40–5, Sep 78

Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Kawashima S, et al. **Endocrinol Jpn** 25(4):341–8, Aug 78

Sex differences in prolactin release after stimulation of the preoptic-suprachiasmatic region at selected pulse frequencies in castrated rats. Colombo JA. **Exp Neurol** 61(2):455–64, 1 Sep 78

Possible influence of prolactin on intestinal hypertrophy in pregnant and lactating rats. Mainoya JR. **Experientia** 34(9):1230–1, 15 Sep 78

Lack of acute effects of pyridoxine on prolactin secretion and lactation. Husami N, et al. **Fertil Steril** 30(4):393–7, Oct 78

Dynamic evaluation of prolactin secretion with perphenazine in normal and hyperprolactinemic subjects. Buckman MT, et al. **Horm Metab Res** 10(5):400–8, Sep 78

Prolactin release after TRH during altered adrenergic alpha and beta receptor influence. Lauridsen UB, et al. **Horm Metab Res** 10(5):452–4, Sep 78

Galactorrhea in a man with normal testicular function. Hulugalle RS, et al. **JAMA** 240(23):2565, 1 Dec 78

Pituitary adenomas and oral contraceptives [letter] **Lancet** 2(8104–5):1384, 23–30 Dec 78

Role of pineal gland in aetiology and treatment of breast cancer [letter] **Lancet** 2(8097):1001–2, 4 Nov 78

Hypothalamic-pituitary effects of cimetidine [letter] Delitala G, et al. **Lancet** 2(8098):1054–5, 11 Nov 78

Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Krulich L, et al. **Life Sci** 23(16):1665–73, 23 Oct 78

Influence of hypothalamic stimulation upon the ultrastructure of the anterior pituitary gland. Part 4. Mammotrophs. Shiotani Y, et al. **Med J Osaka Univ** 28(3–4):291–304, Mar 78

Receptors for 17beta-estradiol in prolactin-secreting rat pituitary cells. Haug E, et al. **Mol Cell Endocrinol** 12(1):81–95, Oct 78

Catecholamines of supposed inhibitory hypophysiotrophic function suppress action potentials in prolactin cells. Taraskevich PS, et al. **Nature** 276(5690):832–4, 21–28 Dec 78

Neurobiology of peptides. Iversen LL, et al. **Neurosci Res Program Bull** 16(2):209–370, Jun 78 (448 ref.)

A case of multiple endocrine adenomatosis with primary amenorrhoea. Vandeweghe M, et al. **Postgrad Med J** 54(635):618–22, Sep 78

Ketamine as an anesthetic for obtaining plasma for rat prolactin assays. Meltzer HY, et al. **Proc Soc Exp Biol Med** 159(1):12–5, Oct 78

[Dopamine, GABA-PIF and in vitro regulation of prolactin secretion in the rat (proceedings) (author's transl)] Enjalbert A, et al. **Ann Endocrinol (Paris)** 39(3):237–8, 1978 (Eng. Abstr.) **(Fre)**

[Effect of L dopa, dopamine and CB 154 on prolactin secretion from human pituitary adenomas in vitro (proceedings) (author's transl)] Peillon F, et al. **Ann Endocrinol (Paris)** 39(3):255–7, 1978 (Eng. Abstr.) **(Fre)**

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489–98, 27 Oct 78 (63 ref.) **(Ger)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Anterior pituitary function in patients with cerebrovascular diseases with special reference to prolactin secretion in response to TRH administration (author's transl)] Mashito T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):838–47, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

[Hypophyseal adenoma with markedly increased prolactin secretion] Jeske W, et al. **Pol Arch Med Wewn** 60(5):461–5, Nov 78 (Eng. Abstr.) **(Pol)**

[Functional activity of rat adenohypophysis cells in a primary monolayer culture and the effect of several regulators on it] Fedotov VP, et al. **Biull Eksp Biol Med** 86(10):491–3, Oct 78 (Eng. Abstr.) **(Rus)**

[Use of blockers and stimulators of prolactin secretion in the syndrome of persistent lactorrhea--amenorrhea] Starkova NT, et al. **Probl Endokrinol (Mosk)** 24(6):42–7, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Effect of synthetic somatostatin on basal and stimulated growth hormone and prolactin secretion in vitro] Utesheva ZF, et al. **Probl Endokrinol (Mosk)** 24(6):48–50, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep–Oct 78 **(Rus)**

[L-dopa and prolactin in breast neoplasms and dysplasia] Moguilevsky L, et al. **Medicina (B Aires)** 38(1):27–30, Jan–Feb 78 (Eng. Abstr.) **(Spa)**

SOMATOTROPIN

Cell kinetics and the control of growth in long bones. Kember NF. **Cell Tissue Kinet** 11(5):477–85, Sep 78

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

Growth and endocrine function in children with cystinosis following renal transplantation. Malekzadeh MH, et al. **Trans Am Soc Artif Intern Organs** 24:278–81, 1978

ADMINISTRATION & DOSAGE

Kidney function in normal man during short-term growth hormone infusion. Parving HH, et al. **Acta Endocrinol (Copenh)** 89(4):796–800, Dec 78

ADVERSE EFFECTS

Growth hormone enhances basement membrane thickening in experimental diabetes. A preliminary report. Osterby R, et al. **Diabetologia** 15(6):487–9, Dec 78

ANALYSIS

Changes in parameters of growth hormone and thyrotrophic hormone, and of thyroid function, during the early postnatal period in the rat. Pascual-Leone AM, et al. **Rev Esp Fisiol** 34(3):301–7, Sep 78

[Radioimmunological evaluation of hormonal parameters in the stimulation and inhibition of lactogenesis] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):37–57, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

[Radioimmunological determination of prolactin and hormonal correlations in pregnancy at term and in the puerperium] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):23–36, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

[Round-table conference. Radioimmunologic studies: principles, interpretation of results, clinical significance] **Przegl Lek** 35(10):781–94, 1978 **(Pol)**

BIOSYNTHESIS

Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Betteridge A, et al. **Biochem J** 176(1):319–23, 15 Oct 78

Relationship between the accumulation of pituitary growth hormone and nuclear occupancy by triiodothyronine in the rat. Coulombe P, et al. **J Clin Invest** 62(5):1020–8, Nov 78

BLOOD

Influence of morphine anaesthesia on the endocrine-metabolic response to open-heart surgery. Brandt MR, et al. **Acta Anaesthesiol Scand** 22(4):400–12, 1978

Kidney function in normal man during short-term growth hormone infusion. Parving HH, et al. **Acta Endocrinol (Copenh)** 89(4):796–800, Dec 78

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

The secretory pattern of growth hormone. An experimental study in the rat. Edén S. **Acta Physiol Scand [Suppl]** (458):1–54, 1978

Effects of tricyclic antidepressants on human plasma levels of TSH, GH and prolactin. Widerlöv E, et al. **Acta Psychiatr Scand** 58(5):449–56, Nov 78

Substrate mobilisation during surgery. A comparison between halothane and fentanyl anaesthesia. Hall GM, et al. **Anaesthesia** 33(10):924–30, Nov–Dec 78

The syndrome of basal encephalocele and hypothalamic–pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Metabolic and endocrine events at the time of the first feed of human milk in preterm and term infants. Lucas A, et al. **Arch Dis Child** 53(9):731–6, Sep 78

Growth and hormonal status of children treated for acute lymphoblastic leukaemia. Swift PG, et al. **Arch Dis Child** 53(11):890–4, Nov 78

Treatment of parkinsonism with N-n-propyl norapomorphine and levodopa (with or without carbidopa). Papavasiliou PS, et al. **Arch Neurol** 35(12):787–91, Dec 78

The time course of the effect of hypophysectomy and oestrogen treatment on the hepatic metabolism of androst-4-ene-3,17-dione in male and female rats. Skett P. **Biochem J** 174(3):753–60, 15 Sep 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Hormonal responses during treatment of acute diabetic ketoacidosis with constant insulin infusions. Scott RS, et al. **Clin Endocrinol (Oxf)** 9(5):463–74, Nov 78

Comparative effects of two doses of glibenclamide upon metabolic rhythms in maturity-onset diabetics. Nattrass M, et al. **Diabete Metab** 4(3):175–80, Sep 78

Plasma somatomedin activity in an infant with Beckwith Wiedemann syndrome. Ashton IK, et al. **Early Hum Dev** 1(4):357–62, Feb 78

Somatomedin activity in human cord plasma and relationship to birth size, insulin, growth hormone, and prolactin. Ashton IK, et al. **Early Hum Dev** 2(2):115–22, Jul 78

Effect of CB-154 therapy on the glucose tolerance, IRI and GH response to glucose administration in acromegaly. Demura R, et al. **Endocrinol Jpn** 25(4):355–9, Aug 78

Effect of thyroidectomy on the secretory profiles of growth hormone, thyrotropin and corticosterone in the rat. Takeuchi A, et al. **Endocrinol Jpn** 25(4):381–90, Aug 78

Growth hormone and prolactin radioimmunoassay in early diagnosis of pituitary tumors. Gembicki M, et al. **Endokrynol Pol** 29(6):509–16, Nov–Dec 78

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Cardiopulmonary adjustment and metabolic response to maximal and submaximal physical exercise of boys and girls at different stages of maturity. Wirth A, et al. **Eur J Appl Physiol** 39(4):229–40, 20 Oct 78

The effect of intra-amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Concentrations and chromatographic profile of serum GH in old ob/ob mice. Sinha YN, et al. **Horm Metab Res** 10(5):454–5, Sep 78

Neuroendocrine procedures for the diagnosis of depression. pp. 231–6. Carroll BJ.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Effects of antidepressants on pituitary hormones. pp. 255–78. Laakmann G, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

A factor in diabetic serum stimulating proliferation of arterial medical cell culture. pp. 333–42. Ledet T.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.

The effect of exercise on substrates and hormones during prolonged fasting. Drenick EJ, et al. **Int J Obes** 1(1):49–61, 1977

Plasma concentrations of growth hormone during growth in normal and testosterone-treated chickens. Harvey S, et al. **J Endocrinol** 79(1):145–6, Oct 78

Effect of reserpine on plasma concentrations of growth hormone and prolactin in the domestic fowl. Harvey S, et al. **J Endocrinol** 79(1):153–4, Oct 78

Effect of somatostatin on the concentration of growth hormone in the plasma of foetal sheep. McMillen IC, et al. **J Endocrinol** 78(3):453–4, Sep 78

Prolactin in umbilical cord blood and the respiratory distress syndrome. Gluckman PD, et al. **J Pediatr** 93(6):1011–4, Dec 78

A delayed effect of noradrenaline infusion on plasma cortisol level in man [proceedings] Few JD, et al. **J Physiol (Lond)** 282:43P, Sep 78

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

Effects of cholinergic drugs on growth hormone release. Bruni JF, et al. **Life Sci** 23(13):1351–7, 2 Oct 78

Inappropriate counter-regulatory hormone levels in insulin treated diabetes. Danowski TS, et al. **PDM** 7(9–12)8(1–8):7–16, Jan–Dec 76

Lack of behavioural effects following intraventricular infusion of somatostatin in the conscious goat. Gordin A, et al. **Pharmacol Biochem Behav** 9(2):255–7, Aug 78

Prostaglandin E1 increases basal glucagon in man. Giugliano D, et al. **Pharmacol Res Commun** 10(9):813–21, Oct 78

Metabolic and endocrine alterations in end-stage renal failure. Klein KL, et al. **Postgrad Med** 64(5):99–108, Nov 78

Stimulation of growth hormone release by intraventricular administration of 5HT or quipazine in unanesthetized male rats. Vijayan E, et al. **Proc Soc Exp Biol Med** 159(2):210–2, Nov 78

Neuroendocrine changes in acute schizophrenia as a function of clinical state and neuroleptic medication. Cotes PM, et al. **Psychol Med** 8(4):657–65, Nov 78

[Transient diabetes mellitus in a dystrophic newborn infant] Haschke F, et al. **Helv Paediatr Acta** 33(4–5):385–92, Nov 78 (Eng. Abstr.) **(Ger)**

[Changes of insulin antagonists in juvenile diabetes mellitus--with special reference to growth hormone and glucagon] Cho H, et al. **Horumon To Rinsho** 26(9):895–900, Sep 78 **(Jpn)**

[Insulin therapy and behaviors of insulin antagonist hormones, with special reference to the reactions of growth hormone and cortisol during the hypoglycemic stage in juvenile diabetes] Egi S. **Horumon To Rinsho** 26(9):947–51, Sep 78 **(Jpn)**

[Levels of glucose, non-esterified fatty acids, triglyceride, insulin, and growth hormone during open heart surgery (author's transl)] Yokota H. **Nippon Kyobu Geka Gakkai Zasshi** 26(10):1222–32, Oct 78 (Eng. Abstr.) **(Jpn)**

[Endocrinology of pregnancy. Concentration of triiodothyronine, thyroxine, effective thyroxine, thyreotropin and growth hormone in normal pregnancy, labor and in the cord blood] Czech W, et al. **Ginekol Pol** 49(11):963–9, Nov 78 (Eng. Abstr.) **(Pol)**

[Effect of short submaximal stable-load exertion on blood serum insulin and human growth hormone concentration as well as on various biochemical and acid–base blood parameters in healthy individuals] Markiewicz K, et al. **Med Pr** 29(4):317–22, 1978 (Eng. Abstr.) **(Pol)**

[Growth retardation with excess circulating somatotropic hormone (Laron type)] Burdea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 27(3):249–52, Jul–Sep 78 **(Rum)**

[Dynamics of levels of growth hormone and free fatty acids in the blood, and catecholamines in the urine of insulin-resistant and insulin-sensitive diabetes mellitus patients during insulin hypoglycemia] Alekseeva GG, et al. **Probl Endokrinol (Mosk)** 24(6):13–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Modifications of insulin and growth hormone after medium chain triglycerides ingestion (author's transl)] Valls E, et al. **An Esp Pediatr** 11(10):675–82, Oct 78 (Eng. Abstr.) **(Spa)**

[Serum values of human growth hormone (HGH) in solid tumors and hematosarcomas] Aguiar Morales J. **Rev Clin Esp** 150(6):351–5, 30 Sep 78 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Microphallus, growth hormone deficiency, and hypoglycemia in Russell–Silver syndrome [letter] Hall JG. **Am J Dis Child** 132(11):1149, Nov 78

Chronic hydrocephalus associated with short stature and growth hormone deficiency. Hier DB, et al. **Ann Neurol** 2(3):246–8, Sep 77

Evaluation of the growth hormone exercise test in normal and growth hormone–deficient children. Eisenstein E, et al. **Pediatrics** 62(4):526–8, Oct 78

A case of septo–optic dysplasia. Fukushima N, et al. **Tohoku J Exp Med** 126(2):193–7, Oct 78

DIAGNOSTIC USE

[Hormones and differentiation of retinal ganglion cells during embryogenesis of mice of the mutant line ocular retardation (karyometric study)] Alekseev EI. **Arkh Anat Gistol Embriol** 75(9):106–11, Sep 78 (Eng. Abstr.) **(Rus)**

GENETICS

Synthesis of growth hormone by bacteria. Seeburg PH, et al. **Nature** 276(5690):795–8, 21–28 Dec 78

IMMUNOLOGY

Synthesis of growth hormone by bacteria. Seeburg PH, et al. **Nature** 276(5690):795–8, 21–28 Dec 78

METABOLISM

Regulation of hepatic growth hormone receptors by insulin. Baxter RC, et al. **Biochem Biophys Res Commun** 84(2):350–7, 29 Sep 78

Effect of bromocriptin on the endocrine system and fetal development. Del Pozo E, et al. **Clin Endocrinol (Oxf)** 6 Suppl:47S–55S, 1977

Concentrations and chromatographic profile of serum GH in old ob/ob mice. Sinha YN, et al. **Horm Metab Res** 10(5):454–5, Sep 78

Effect of amphetamine and clonidine on human growth hormone release in psychiatric patients and controls. pp. 431–46. Matussek N.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Effects of intraventricular injection of gastrin on release of LH, prolactin, TSH and GH in conscious ovariectomized rats. Vijayan E, et al. **Life Sci** 23(22):2225–32, 27 Nov 78

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**

[Abnormal TSH, PRL and GH response to TSH releasing hormone in patients with severe liver cirrhosis (proceedings) (author's transl)] Schilienger JL, et al. **Ann Endocrinol (Paris)** 39(3):245–7, 1978 (Eng. Abstr.) **(Fre)**

[Quantitative study of the modifications observed in somatotropic cells of thymectomized rats. Opotherapic substitution with a thymic extract] Morel G, et al. **Experientia** 34(11):1525–7, 15 Nov 78 (Eng. Abstr.) **(Fre)**

[Neuroendocrinological studies of affective disorders (author's transl)] Matussek N. **Nervenarzt** 49(10):569–75, Oct 78 **(Ger)**

PHARMACODYNAMICS

Kidney function in normal man during short–term growth hormone infusion. Parving HH, et al. **Acta Endocrinol (Copenh)** 89(4):796–800, Dec 78

The Snell–dwarfmouse. II. Sulphate and thymidine incorporation in costal cartilage and somatomedin levels before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):646–58, Dec 78

The Snell–dwarfmouse. I. General growth pattern, before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):632–45, Dec 78

Nature of the inhibition by noradrenaline of induction by cortisol of hepatic tryptophan pyrrolase. Sitaramam V, et al. **Biochem Pharmacol** 28(1):77–81, 1979

Lipoprotein lipase of cultured mesenchymal rat heart cells. III. Effect of glucocorticoids and insulin on enzyme formation. Friedman G, et al. **Biochim Biophys Acta** 531(2):222–32, 22 Nov 78

Effect of urethan on the induction of ornithine decarboxylase in regenerating rat liver. Matsui I, et al. **Biochim Biophys Acta** 544(2):372–80, 1 Dec 78

Effects of part sequences of human growth hormone on in vivo hepatic glycogen metabolism in the rat. Newman JD, et al. **Biochim Biophys Acta** 544(2):234–44, 1 Dec 78

Effect of hypophysectomy on persistence of methylated purines in rat liver deoxyribonucleic acid after administration of dimethylnitrosamine. Pegg AE, et al. **Biochim Biophys Acta** 520(3):671–8, 24 Oct 78

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555–69, Oct 78 (71 ref.)

Growth hormone enhances basement membrane thickening in experimental diabetes. A preliminary report. Osterby R, et al. **Diabetologia** 15(6):487–9, Dec 78

Effects of hypophysectomy and beef growth hormone replacement therapy on morphometric and biochemical indicators of growth in the fed versus starved black bullhead (Ictalurus melas). Kayes T. **Gen Comp Endocrinol** 35(4):419–31, Aug 78

Biochemical studies on liver functions in primary cultured hepatocytes of adult rats. I. Hormonal effects on cell viability and protein synthesis. Tanaka K, et al. **J Biochem (Tokyo)** 84(4):937–46, Oct 78

Dissociation between the effect of bovine growth hormone in articular cartilage and in bone of the adult dog. Mankin HJ, et al. **J Bone Joint Surg [Am]** 60(8):1071–5, Dec 78

Effects of hypophysectomy and hypophysectomy plus growth hormone on secretin release and on concentrations of secretin in the duodenal mucosa. Teichmann RK, et al. **Surg Forum** 28:375–6, 1977

[The acute effect of the human growth hormone under hyperglycemic conditions in man (author's transl)] Takeda S. **Nippon Naibunpi Gakkai Zasshi** 54(8):994–1006, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Metabolic and hormonal factors in diabetic retinopathy. Christensen NJ, et al. **Int Ophthalmol Clin** 18(4):55–72, Winter 78

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

The effects of protein–energy malnutrition on blood glucose homeostasis. Heard CR. **World Rev Nutr Diet** 30:107–47, 1978 (156 ref.)

[Diabetic microangiopathy. Role of the growth hormone (hGH)] Heim J. **Lille Med** 23(7):490–3, Aug–Sep 78 **(Fre)**

SECRETION

The secretory pattern of growth hormone. An experimental study in the rat. Edén S. **Acta Physiol Scand [Suppl]** (458):1–54, 1978

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Neuropharmacological intervention on the pituitary–hypothalamic relationship. Tuomisto J. **Ann Clin Res** 10(3):120–32, 1978

Influence of fenfluramine on insulin and growth hormone secretion. Cabezas–Cerrato J, et al. **Arch Farmacol Toxicol** 4(2):227–36, Aug 78

Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Betteridge A, et al. **Biochem J** 176(1):319–23, 15 Oct 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel–S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Partial hypopituitarism in a patient with a pituitary stone. Mroueh A, et al. **Clin Endocrinol (Oxf)** 9(5):479–82, Nov 78

The effect of alpha adrenergic receptor blockade on the glucagon–induced growth hormone response. Tanaka T, et al. **Clin Endocrinol (Oxf)** 9(3):267–72, Sep 78

Physiologic secretion of growth hormone and prolactin in male and female rats. Terry LC, et al. **Clin Endocrinol (Oxf)** 6 Suppl:19S–28S, 1977

Effects of cholinergic drugs on growth hormone release. Bruni JF, et al. **Life Sci** 23(13):1351–7, 2 Oct 78

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

Evaluation of the growth hormone exercise test in normal and growth hormone–deficient children. Eisenstein E, et al. **Pediatrics** 62(4):526–8, Oct 78

Effect of anorexiant drugs on growth hormone secretion in obese children. Baritussio A, et al. **Pharmacol Res Commun** 10(6):529–40, Jun 78

Endocrinological control of growth. Sizonenko PC.

Postgrad Med J 54 Suppl 1:91–106, 1978 (21 ref.)

Stimulation of growth hormone release by intraventricular administration of 5HT or quipazine in unanesthetized male rats. Vijayan E, et al. **Proc Soc Exp Biol Med** 159(2):210–2, Nov 78

[Growth hormone and somatomedin activity in children with anorexia nervosa, relation to weight changes (proceedings) (author's transl)] Rappaport R, et al.
Ann Endocrinol (Paris) 39(3):259–60, 1978 (Eng. Abstr.) **(Fre)**

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489–98, 27 Oct 78 (63 ref.) **(Ger)**

[Neuroendocrinological studies of affective disorders (author's transl)] Matussek N. **Nervenarzt** 49(10):569–75, Oct 78 **(Ger)**

[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

[Function of sleep (author's transl)] Torii S.
No To Shinkei 30(9):955–63, Sep 78 (67 ref.) **(Jpn)**

[Functional activity of rat adenohypophysis cells in a primary monolayer culture and the effect of several regulators on it] Fedotov VP, et al. **Biull Eksp Biol Med** 86(10):491–3, Oct 78 (Eng. Abstr.) **(Rus)**

[Effect of synthetic somatostatin on basal and stimulated growth hormone and prolactin secretion in vitro] Utesheva ZF, et al. **Probl Endokrinol (Mosk)** 24(6):48–50, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu.
Zh Vopr Neirokhir (5):47–55, Sep–Oct 78 **(Rus)**

THERAPEUTIC USE

Dental maturity in hypopituitarism, and dental response to substitution treatment. Myllärniemi S, et al.
Scand J Dent Res 86(5):307–12, Sep 78

THYROTROPIN

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

ADMINISTRATION & DOSAGE

Human reaction to bovine TSH [letter] Hamburger JI.
J Nucl Med 19(10):1183, Oct 78

ADVERSE EFFECTS

The thyroid, prolactin, and breast cancer [editorial] VanderLaan WP, et al. **Arch Intern Med** 138(11):1611–2, Nov 78

Human reaction to bovine TSH [letter] Hamburger JI.
J Nucl Med 19(10):1183, Oct 78

ANALYSIS

Human pituitary thyrotropin. Isolation of alpha and beta subunits by hydrophobic interaction chromatography. Jacobson G, et al. **Biochim Biophys Acta** 536(2):363–75, 23 Oct 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

External quality control for hormone determinations in the Federal Republic of Germany. Röhle G, et al.
Horm Res 9(6):450–4, 1978

Changes in parameters of growth hormone and thyrotrophic hormone, and of thyroid function, during the early postnatal period in the rat. Pascual-Leone AM, et al.
Rev Esp Fisiol 34(3):301–7, Sep 78

[Hyperthyroidism and acromegaly. Pituitary tumor] Duron F, et al. **Ann Med Interne (Paris)** 129(8–9):533–7, Aug–Sep 78 **(Fre)**

[A comparison of six commercially available thyrotropin radioimmunoassay kits (author's transl)] Leicht E, et al.
J Clin Chem Clin Biochem 16(10):551–5, Oct 78 (Eng. Abstr.) **(Ger)**

[Radioimmunological evaluation of hormonal parameters in the stimulation and inhibition of lactogenesis] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):37–57, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Formation of apical pseudopods by canine thyroid follicular cells: induction by thyrotropin and 5-hydroxytryptamine; antagonism by reserpine. Nunez EA, et al. **Anat Rec** 192(2):215–24, Oct 78

BIOSYNTHESIS

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Cell-free translation of the messenger RNA coding for the alpha subunit of thyroid-stimulating hormone. Chin WW, et al. **J Biol Chem** 253(22):7985–8, 25 Nov 78

BLOOD

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al.
Acta Endocrinol (Copenh) 89(4):679–86, Dec 78

The effect of lithium on the peripheral turnover of thyroxine and triiodothyronine. Kvetny J.
Acta Endocrinol (Copenh) 89(4):687–92, Dec 78

Circadian and 30 minutes variations in serum TSH and thyroid hormones in normal subjects. Weeke J, et al.
Acta Endocrinol (Copenh) 89(4):659–72, Dec 78

TSH response pattern to TRH test and optimum time of blood sampling in sporadic euthyroid goitre. Blichert-Toft M, et al. **Acta Med Scand** 204(5):365–8, 1978

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Karlberg BE, et al. **Acta Psychiatr Scand** 58(5):389–400, Nov 78

Effects of tricyclic antidepressants on human plasma levels of TSH, GH and prolactin. Widerlöv E, et al.
Acta Psychiatr Scand 58(5):449–56, Nov 78

Recurrent acute suppurative thyroiditis. Abe K, et al.
Am J Dis Child 132(10):990–1, Oct 78

Endocrine testing in tardive dyskinesias: preliminary report. Rosenbaum AH, et al. **Am J Psychiatry** 136(1):102–3, Jan 79

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

False diagnosis of orbital apex tumor by CAT scan in thyroid eye disease. Susac JO, et al. **Ann Neurol** 1(4):397–8, Apr 77

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638–41, Nov 78

Serum thyroid hormones changes in patients undergoing Caesarean section under general or regional anaesthesia. Halevy S, et al. **Br J Anaesth** 50(10):1053–7, Oct 78

How often should patients be reviewed after treatment with iodine-131 for thyrotoxicosis? Toft AD, et al. **Br Med J** 2(6145):1115–7, 21 Oct 78

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337–49, Oct 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al.
Clin Endocrinol (Oxf) 9(4):289–96, Oct 78

Thyroidal hormone metabolism in obesity during semi-starvation. Grant AM, et al. **Clin Endocrinol (Oxf)** 9(3):227–31, Sep 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Thyroxine, triiodothyronine and thyrotrophin levels in meningococcal meningitis, typhoid fever and other febrile conditions. Maharajan G, et al. **Clin Endocrinol (Oxf)** 9(5):401–6, Nov 78

Experience of radioimmunoassay of thyroid hormones in a developing country. Abiodun MO, et al.
East Afr Med J 55(9):407–13, Sep 78

Radioimmunoassay for partially degraded thyrotropin. Nisula BC, et al. **Endocr Res Commun** 5(2):125–34, 1978

Plasma TSH and prolactin response to insulin induced hypoglycemia in patients with hypothalamic pituitary disorsers. Demura R, et al. **Endocrinol Jpn** 25(4):361–5, Aug 78

Effect of thyroidectomy on the secretory profiles of growth hormone, thyrotropin and corticosterone in the rat. Takeuchi A, et al. **Endocrinol Jpn** 25(4):381–90, Aug 78

The effect of intra-amniotic prostaglandin F2alpha on anterior

pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6–n–propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

Radioimmunoassay of protein hormones: principles and methodology. Reuter AM, et al. **Horm Res** 9(6):404–21, 1978

Effects of antidepressants on pituitary hormones. pp. 255–78. Laakmann G, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Neonatal screening for hypothyroidism––a review experience with thyrotropin estimation in the newborn. Desai M, et al. **Indian Pediatr** 15(6):463–7, Jun 78

Screening of the thyroid function of newborns in Southern Belgium. Bouckaert A, et al. **Int J Epidemiol** 7(3):249, Sep 78

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Krulich L, et al. **Life Sci** 23(16):1665–73, 23 Oct 78

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78

Hypothalamic–pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188–91, 1978

Early detection of thyroid dyshormonogenesis in a breast–fed infant using a filter paper screening method. Sack J, et al. **Monogr Hum Genet** 10:185–7, 1978

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

[The use of thyreoliberin VUFB in a peroral TRH test in thyroid gland function disorders (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(38–39):1187–90, 29 Sep 78 (Eng. Abstr.) **(Cze)**

[Systematic screening for congenital hypothyroidism by determination of TSH in dried blood samples: results of experience during a 21–month period] David M, et al. **Pediatrie** 33(8):787–93, Dec 78 (Eng. Abstr.) **(Fre)**

[Paraclinical studies in hypothyroidism] Fournier M, et al. **Rev Prat** 28(43):3301–4, 3307–9, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Recurrent goiter with and without prevention] Koch G, et al. **Med Welt** 29(46):1787–9, 17 Nov 78 **(Ger)**

[The effect of iodine–containing radiographic contrast medium on TSH–TRH–tests (author's transl)] Spitz J, et al. **ROEFO** 129(4):445–7, Oct 78 (Eng. Abstr.) **(Ger)**

[Cretinism in a newborn infant discovered at mass screening] Nose O, et al. **Horumon To Rinsho** 26(11):1144–9, Nov 78 **(Jpn)**

[A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Kuroda M. **Nippon Naibunpi Gakkai Zasshi** 54(8):980–993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Hyperbola–correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Changes in serum thyrotropin, thyroxine and triiodothyronine after complete thyroidectomy (author's transl)] Tamai H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):891–7, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Participation of prostaglandins in the mechanism of hypothalamo–hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary–thyroid system of women during pregnancy] Turakulova FIa, et al. **Probl Endokrinol (Mosk)** 24(6):39–42, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Short–term administration of superpyrin (SPOFA) and changes in pituitary–thyroid axis function and plasma cortisol level in volunteers (author's transl)] Langer P, et al. **Bratisl Lek Listy** 70(4):459–64, Oct 78 (Eng. Abstr.) **(Slo)**

[Serum values and thyroid hormones exchange in the aged] Degrossi OJ, et al. **Medicina (B Aires)** 38(1):20–6, Jan–Feb 78 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Effect of conformation of hCG–beta on generation of hCG–specific antibody. Lerario AC, et al. **Endocr Res Commun** 5(1):43–55, 1978

METABOLISM

Effect of bromocriptin on the endocrine system and fetal development. Del Pozo E, et al. **Clin Endocrinol (Oxf)** 6 Suppl:47S–55S, 1977

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Camel thyroid metabolism: effect of season and dehydration. Yagil R, et al. **J Appl Physiol** 45(4):540–4, Oct 78

Bihormonal regulation of the thyrotropin–releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

Hemodialysis and thyroid functions in children. Chan JC, et al. **J Dial** 2(4):387–92, 1978

Diurnal variations of medial basal and anterior hypothalamic thyroliberin [TRH] and serum thyrotropin [TSH] concentrations in male rats. Männistö PT, et al. **Life Sci** 23(13):1343–49, 2 Oct 78

Variations in the response of enzyme–dissociated rat pituitary cells to thyrotropin releasing hormone. Moriarty CM, et al. **Life Sci** 23(20):2073–8, 13 Nov 78

Effects of intraventricular injection of gastrin on release of LH, prolactin, TSH and GH in conscious ovariectomized rats. Vijayan E, et al. **Life Sci** 23(22):2225–32, 27 Nov 78

Characterization of thyrotropin binding to specific receptors in human fat tissue. Gill DL, et al. **Mol Cell Endocrinol** 12(1):41–51, Oct 78

Effect of thyroid phospholipids on the interaction of thyrotropin with thyroid membranes. Omodeo–Sale F, et al. **Proc Natl Acad Sci USA** 75(11):5301–5, Nov 78

Thyroid–stimulating hormone binding sites in benign and malignant thyroid tumors in man. Clark OH, et al. **Surg Forum** 28:135–7, 1977

[TSH response to TRH after subtotal thyroidectomy in patients with simple nodular goiter (proceedings) (author's transl)] Allannic H, et al. **Ann Endocrinol (Paris)** 39(3):249–51, 1978 (Eng. Abstr.) **(Fre)**

[Abnormal TSH, PRL and GH response to TSH releasing hormone in patients with severe liver cirrhosis (proceedings) (author's transl)] Schilienger JL, et al. **Ann Endocrinol (Paris)** 39(3):245–7, 1978 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Release of cyclic AMP from thyroid cells in vitro. Ahrén B, et al. **Acta Endocrinol (Copenh)** 89(4):693–700, Dec 78

Formation of apical pseudopods by canine thyroid follicular cells: induction by thyrotropin and 5–hydroxytryptamine; antagonism by reserpine. Nunez EA, et al. **Anat Rec** 192(2):215–24, Oct 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Effect of hormones on lipolysis during the neonatal period. Melichar V, et al. **Czech Med** 1(4):223–8, 1978

Cholinergic stimulation of the thyroid mitotic activity. Preliminary report. Pawlikowski M, et al. **Endokrynol Pol** 29(6):459–61, Nov–Dec 78 (Eng. Abstr.)

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Takasu N, et al. **Eur J Biochem** 90(1):131–8, 15 Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Takasu N, et al. **Eur J Biochem** 90(1):139–46, 15 Sep 78

Depressive effect of thyrotropin in the physiological dose range on prostaglandin E2 synthesis and accumulation in cultured hog thyroid cells. Margotat A, et al.

FEBS Lett 95(2):347–51, 15 Nov 78

Unresponsiveness to exogenous TSH in obesity. Schmitt T, et al. **Int J Obes** 1(2):185–90, 1977

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78

PHYSIOLOGY

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

SECRETION

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Neuropharmacological intervention on the pituitary–hypothalamic relationship. Tuomisto J. **Ann Clin Res** 10(3):120–32, 1978

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Normal prolactin response following thyrotrophin releasing hormone in patients with autonomously functioning euthyroid multinodular goitre. Elte JW, et al. **Clin Endocrinol (Oxf)** 9(5):413–7, Nov 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Acute endocrine profile of sulpiride in the human. L'Hermite M, et al. **Clin Endocrinol (Oxf)** 9(3):195–204, Sep 78

Increased thyrotrophin secretion induced by sulpiride in man. Massara F, et al. **Clin Endocrinol (Oxf)** 9(5):419–28, Nov 78

Human reaction to bovine TSH [letter] Hamburger JI. **J Nucl Med** 19(10):1183, Oct 78

Studies on the role of calcium and cyclic nucleotides in the control of TSH secretion. Schrey MP, et al. **Mol Cell Endocrinol** 11(3):249–64, Sep 78

[The regulation of secretions by ions screened in vivo through a nutritional model and its impact on thyroidal iodine metabolism (proceedings) (author's transl)] Triantaphyllidis H. **Ann Endocrinol (Paris)** 39(3):241–2, 1978 (Eng. Abstr.) **(Fre)**

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489–98, 27 Oct 78 (63 ref.) **(Ger)**

[Anterior pituitary function in patients with cerebrovascular diseases with special reference to TSH secretion in response to TRH administration (author's transl)] Mashito T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):829–37, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

[Problem of classification of pituitary adenomas (review of the foreign literature)] Kasumova SIu. **Zh Vopr Neirokhir** (5):47–55, Sep-Oct 78 **(Rus)**

[TSH and TRH response to 6-methyl-prednisolone] Miralles García JM, et al. **Rev Clin Esp** 150(5):235–7, 15 Sep 78 **(Spa)**

THERAPEUTIC USE

Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. Kammer H, et al. **J Nucl Med** 19(10):1149–50, Oct 78

VASOPRESSINS

ADMINISTRATION & DOSAGE

Transcatheter therapy of gastrointestinal arterial bleeding. Twiford TW Jr, et al. **Am J Dig Dis** 23(11):1046–53, Nov 78

Bleeding intraperitoneal varix. Demonstration by arteriography and successful treatment with infusion of vasopressin into the superior mesenteric artery. Sprayregen S, et al. **Angiology** 29(11):857–61, Nov 78

Oxytocin, vasopressin and memory: opposite effects on consolidation and retrieval processes. Bohus B, et al. **Brain Res** 157(2):414–7, 24 Nov 78

Consummatory behavior and urine production after cerebroventricular injection of vasopressin and vasopressin antiserum. Severs WB, et al. **Eur J Pharmacol** 51(4):389–96, 15 Oct 78

Vasopressin and memory in Korsakoff syndrome. LeBoeuf A, et al. **Lancet** 2(8104–5):1370, 23–30 Dec 78

[Diabetes insipidus after surgery of intracranial arterial aneurysms--with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Transcatheter therapy of gastrointestinal arterial bleeding. Twiford TW Jr, et al. **Am J Dig Dis** 23(11):1046–53, Nov 78

[Emphysematous gastritis after vasopressin infusion (author's transl)] Champault G, et al. **Gastroenterol Clin Biol** 2(8–9):745–9, Aug-Sep 78 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

[Diabetes insipidus after surgery of intracranial arterial aneurysms--with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Acetaldehyde on vascular smooth muscle: possible role in vasodilator action of ethanol. Altura BM, et al. **Eur J Pharmacol** 52(1):73–83, 1 Nov 78

Redistribution of intrarenal blood flow following ADH administration: lack of inhibition by blockade of prostaglandin in cyclooxygenase. Walker LA, et al. **Prostaglandins Med** 1(4):295–303, Oct 78

BIOSYNTHESIS

Neurobiology of peptides. Iversen LL, et al. **Neurosci Res Program Bull** 16(2):209–370, Jun 78 (448 ref.)

[Ectopic ADH syndrome] Runeberg L, et al. **Duodecim** 94(22):1385–9, 1978 **(Fin)**

BLOOD

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)

The syndrome of basal encephalocele and hypothalamic–pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Antidiuretic hormone in bronchogenic carcinoma. Morton JJ, et al. **Clin Endocrinol (Oxf)** 9(4):357–70, Oct 78

Cardiac effects of salbutamol-induced hypokalaemia in the conscious dog. Wahlqvist ML, et al. **Clin Exp Pharmacol Physiol** 5(6):617–25, Nov–Dec 78

Beta-adrenergic thirst and its relation to the renin–angiotensin system. Ramsay DJ. **Fed Proc** 37(13):2689–93, Nov 78

Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. Carmel PW, et al. **J Neurosurg** 50(1):75–80, Jan 79

Vasopressin secretion in response to haemorrhage: mathematical modelling of the factors involved. Rocha e Silva M Jr, et al. **Pfluegers Arch** 376(2):185–90, 6 Sep 78

Demeclocycline in the treatment of the syndrome of inappropriate antidiuretic hormone release: with measurement of plasma ADH. Padfield PL, et al. **Postgrad Med J** 54(635):623–7, Sep 78

Plasma cortisol and antidiuretic hormone concentrations after artificial heart implantation. Webster LR, et al.

Trans Am Soc Artif Intern Organs 24:305–9, 1978

[Plasma vasopressin in paired maternal–cord sera (proceedings) (author's transl)] Czernichow P, et al. **Ann Endocrinol (Paris)** 39(3):225–6, 1978 (Eng. Abstr.) **(Fre)**

[Diabetes insipidus after surgery of intracranial arterial aneurysms––with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

A case of septo–optic dysplasia. Fukushima N, et al. **Tohoku J Exp Med** 126(2):193–7, Oct 78

DIAGNOSTIC USE

Congenital nephrogenic diabetes insipidus in a baby girl. Schreiner RL, et al. **Arch Dis Child** 53(11) Nov 78

IMMUNOLOGY

Consummatory behavior and urine production after cerebroventricular injection of vasopressin and vasopressin antiserum. Severs WB, et al. **Eur J Pharmacol** 51(4):389–96, 15 Oct 78

ISOLATION & PURIFICATION

Immunoelectronmicroscopic localization of vasopressin in the rat suprachiasmatic nucleus. van Leeuwen FW, et al. **Cell Tissue Res** 193(1):1–10, 6 Oct 78

Antidiuretic hormone in bronchogenic carcinoma. Morton JJ, et al. **Clin Endocrinol (Oxf)** 9(4):357–70, Oct 78

METABOLISM

Antidiuretic hormone in bronchogenic carcinoma. Morton JJ, et al. **Clin Endocrinol (Oxf)** 9(4):357–70, Oct 78

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

The renin and isorenin–angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

PHARMACODYNAMICS

Cholinergic influences on hypothalamic–pituitary–adrenocortical activity of stressed rats: an approach utilizing agonists and antagonists. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):726–36, Dec 78

Antidiuretic hormone–induced intramembranous alterations in mammalian collecting ducts. Harmanci MC, et al. **Am J Physiol** 235(5):440–3, Nov 78

Effects of glucagon and insulin on fatty acid synthesis and glycogen degradation in the perfused liver of normal and genetically obese (ob/ob) mice. Ma GY, et al. **Biochem J** 174(3):761–8, 15 Sep 78

Oxytocin, vasopressin and memory: opposite effects on consolidation and retrieval processes. Bohus B, et al. **Brain Res** 157(2):414–7, 24 Nov 78

Time course of mesenteric vasodilatation following hypophysectomy and the stopping of a vasopressin infusion. Pang cy, et al. **Can J Physiol Pharmacol** 56(5):735–8, Oct 78

Renal adenylate cyclase systems. Osswald H, et al. **Contrib Nephrol** 14:74–86, 1978

Consummatory behavior and urine production after cerebroventricular injection of vasopressin and vasopressin antiserum. Severs WB, et al. **Eur J Pharmacol** 51(4):389–96, 15 Oct 78

Platelet biochemistry and metabolism. pp. 35–44. Pareti FI, et al. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (39 ref.)

Plasminogen activator release with experimental vasoconstrictions in the isolated perfused dog leg. Izaki S. **Kobe J Med Sci** 24(1):1–16, Mar 78

Influence of arginine vasotocin on the estrogen–induced surge of LH and FSH in adult ovariectomized rats. Blask DE, et al. **Life Sci** 23(10):1035–40, 11 Sep 78

Effects of vasopressin and its deamino–D–arginine analogue on renin release in the isolated perfused rat kidney. Konrads A, et al. **Pfluegers Arch** 377(1):81–5, 18 Oct 78

Vasopressin antagonizes retrograde amnesia in rats following electroconvulsive shock. Pfeifer WD, et al. **Pharmacol Biochem Behav** 9(2):261–3, Aug 78

Redistribution of intrarenal blood flow following ADH administration: lack of inhibition by blockade of prostaglandin in cyclooxygenase. Walker LA, et al. **Prostaglandins Med** 1(4):295–303, Oct 78

Effect of vasopressin on blood flow distribution in the stomach of cats with gastric ulcer. Skarstein A. **Scand J Gastroenterol** 13(7):783–8, 1978

Pharmacological vs. mechanical reduction in portal pressure: a comparative study. Groszmann RJ, et al. **Surgery** 84(5):679–85, Nov 78

Role of pituitary vasopressin in the formation and dynamics of aqueous humour. Nagasubramanian S. **Trans Ophthalmol Soc UK** 97(4):686–701, Sep 77

[Ultrastructural features of the kidney following administration of antidiuretic hormone] Orlov VS. **Biull Eksp Biol Med** 86(11):613–6, Nov 78 (Eng. Abstr.) **(Rus)**

[The effect of the antidiuretic hormone on the renal excretion of urea and electrolytes in fed and fasting sheep] Bajo M, et al. **Vet Med (Praha)** 23(11):691–6, Nov 78 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Osmometry. 2. Osmoregulation. Bevan DR. **Anaesthesia** 33(9):801–8, Oct 78

Physiology of renal water excretion. Anderson RJ, et al. **Contrib Nephrol** 14:50–63, 1978

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

Role of pituitary vasopressin in the formation and dynamics of aqueous humour. Nagasubramanian S. **Trans Ophthalmol Soc UK** 97(4):686–701, Sep 77

[Pathogenesis of edema in pregnant women] Shekhtman MM. **Akush Ginekol (Mosk)** (11):1–5, Nov 78 (48 ref.) **(Rus)**

SECRETION

Vasopressin secretion in response to haemorrhage: mathematical modelling of the factors involved. Rocha e Silva M Jr, et al. **Pfluegers Arch** 376(2):185–90, 6 Sep 78

[Ectopic ADH syndrome] Runeberg L, et al. **Duodecim** 94(22):1385–9, 1978 **(Fin)**

[Maturation of vasopressin in the hypothalamo–hypophyseal system of the developing rat (proceedings) (author's transl)] Sinding C, et al. **Ann Endocrinol (Paris)** 39(3):223–4, 1978 (Eng. Abstr.) **(Fre)**

[Diabetes insipidus after surgery of intracranial arterial aneurysms––with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

[Role of the atrial stretch receptors in the regulation of the fluids of the anesthetized dog (author's transl)] Atta AG, et al. **Rev Bras Pesqui Med Biol** 11(4–5):267–75, Oct 78 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Transcatheter therapy of gastrointestinal arterial bleeding. Twiford TW Jr, et al. **Am J Dig Dis** 23(11):1046–53, Nov 78

How the lower oesophageal sphincter affects submucosal oesophageal varices. Miskowiak J. **Lancet** 2(8103):1284–5, 16 Dec 78

[Emphysematous gastritis after vasopressin infusion (author's transl)] Champault G, et al. **Gastroenterol Clin Biol** 2(8–9):745–9, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[Mechanism of action of hormone and drug therapy in diabetes insipidus] Heuer LJ. **Hippokrates** 49(4):316–22, Nov 78 **(Ger)**

[Diabetes insipidus in children––long–term follow–up study] Oka E, et al. **No To Shinkei** 30(8):923–8, Aug 78 (Eng. Abstr.) **(Jpn)**

VASOTOCIN

PHARMACODYNAMICS

Influence of arginine vasotocin on the estrogen–induced surge of LH and FSH in adult ovariectomized rats. Blask DE, et al. **Life Sci** 23(10):1035–40, 11 Sep 78

Effects of arginine vasotocin and prostaglandin E1 on the hen uterus. Rząsa J. **Prostaglandins** 16(3):357–72, Sep 78

IV. Related Topics

CYCLOFENIL

THERAPEUTIC USE

[Causes and therapy of female sterility] Lehmann V. **Schwest Rev** 16(11):12–5, 15 Nov 78 **(Ger)**

HYPOPHYSECTOMY

Maintenance of spermatogenesis induced by HMG treatment by means of continuous HCG treatment in hypogonadotrophic men. Johnsen SG. **Acta Endocrinol (Copenh)** 89(4):763–9, Dec 78

Pituitary tumors and pregnancy. Magyar DM, et al. **Am J Obstet Gynecol** 132(7):739–51, 1 Dec 78 (59 ref.)

Disappearance of the difference between adrenal A and NA cells in the level of radioactivity after 3H-dopa injection in the hypophysectomized mouse. Kobayashi S, et al. **Arch Histol Jpn** 41(3):285–90, Jun 78

The time course of the effect of hypophysectomy and oestrogen treatment on the hepatic metabolism of androst-4-ene-3,17-dione in male and female rats. Skett P. **Biochem J** 174(3):753–60, 15 Sep 78

A simple procedure for the determination of hydroxyproline in urine and bone. Gordeladze JO, et al. **Biochem Med** 20(1):23–30, Aug 78

Effect of hypophysectomy on persistence of methylated purines in rat liver deoxyribonucleic acid after administration of dimethylnitrosamine. Pegg AE, et al. **Biochim Biophys Acta** 520(3):671–8, 24 Oct 78

Oestrogen receptors and the response to endocrine therapy in advanced breast cancer. Roberts MM, et al. **Br J Cancer** 38(3):431–6, Sep 78

Time course of mesenteric vasodilatation following hypophysectomy and the stopping of a vasopressin infusion. Pang cy, et al. **Can J Physiol Pharmacol** 56(5):735–8, Oct 78

Diabetic retinopathy in pregnancy. Cassar J, et al. **Int Ophthalmol Clin** 18(4):179–88, Winter 78

Metabolic and hormonal factors in diabetic retinopathy. Christensen NJ, et al. **Int Ophthalmol Clin** 18(4):55–72, Winter 78

Pituitary ablation and its effect on diabetic retinopathy. Kelly WF, et al. **Int Ophthalmol Clin** 18(4):165–78, Winter 78

Coincidental aneurysms with tumours of pituitary origin. Jakubowski J, et al. **J Neurol Neurosurg Psychiatry** 41(11):972–9, Nov 78

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

Effects of hypophysectomy and hypophysectomy plus growth hormone on secretin release and on concentrations of secretin in the duodenal mucosa. Teichmann RK, et al. **Surg Forum** 28:375–6, 1977

[Diabetic retinopathy] Karel I. **Cesk Oftalmol** 34(6):445–51, Nov 78 (61 ref.) (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

The use of cyanoacrylate in transsphenoidal hypophysectomy. Young WC, et al. **Laryngoscope** 88(11):1784–8, Nov 78

METHODS

Functional microsurgical treatment of hypersecreting pituitary disorders. Hardy J. **Appl Neurophysiol** 41(1–4):217–8, 1978

Stereotactic radiofrequency hypophysectomy. Zervas NT, et al. **Appl Neurophysiol** 41(1–4):219–22, 1978

The use of cyanoacrylate in transsphenoidal hypophysectomy. Young WC, et al. **Laryngoscope** 88(11):1784–8, Nov 78

[Transsphenoidal microneurosurgery.--Part 1. Operative technique and results of 150 cases (author's transl)] Oi S, et al. **Neurol Med Chir (Tokyo)** 18(9 Pt 2):641–7, Oct 78 (Eng. Abstr.) **(Jpn)**

LACTATION

Postpartum amenorrhea: hormones versus nutrition [letter] Jelliffe DB, et al. **Am J Clin Nutr** 31(11):1977–8, Nov 78

Site of iodination in rat mammary gland. Strum JM. **Anat Rec** 192(2):235–44, Oct 78

Inhibition of mammary gland cyclic AMP-dependent protein kinase by arginine-rich histones. Bear JL, et al. **Biochem Biophys Res Commun** 84(2):450–7, 29 Sep 78

Evidence for a reciprocal relationship between lipogenesis and ketogenesis in hepatocytes from fed virgin and lactating rats. Benito M, et al. **Biochem J** 176(1):331–4, 15 Oct 78

Evidence for a role of insulin in the regulation of lipogenesis in lactating rat mammary gland. Measurements of lipogenesis in vivo and plasma hormone concentrations in response to starvation and refeeding. Robinson AM, et al. **Biochem J** 176(1):343–6, 15 Oct 78

Malonyl-CoA decarboxylase from the mammary gland of lactating rat. Purification, properties and subcellular localization. Kim YS, et al. **Biochim Biophys Acta** 531(2):187–96, 22 Nov 78

Effects of hormones on differentiation of parotid glands of suckling mice in vitro. Kumegawa M, et al. **Biochim Biophys Acta** 544(1):53–61, 15 Nov 78

Plasma prolactin levels in the sow during lactation and the postweaning period as measured by radioimmunoassay. Bevers MM, et al. **Biol Reprod** 19(3):628–34, Oct 78

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Left abomasal displacement in dairy cows: its relationship to production. Martin SW, et al. **Can Vet J** 19(9):250–3, Sep 78

Physiologic secretion of growth hormone and prolactin in male and female rats. Terry LC, et al. **Clin Endocrinol (Oxf)** 6 Suppl:19S–28S, 1977

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

The amenorrhea-galactorrhea syndrome. Young RL. **Compr Ther** 4(9):40–5, Sep 78

Taurine and other free amino acids in milk of man and other mammals. Rassin DK, et al. **Early Hum Dev** 2(1):1–13, Apr 78

The B-type cytochrome in endoplasmic reticulum of mammary gland epithelium and milk fat globule membranes consists of two components cytochrome b5 and cytochrome P-420. Bruder G, et al. **Exp Cell Res** 117(1):207–17, Nov 78

Possible influence of prolactin on intestinal hypertrophy in pregnant and lactating rats. Mainoya JR. **Experientia** 34(9):1230–1, 15 Sep 78

Continual sexual receptivity in the female chimpanzee (Pan troglodytes). Lemmon WB, et al. **Folia Primatol (Basel)** 30(1):80–8, 1978

Membranes of mammary gland--XVIII. 2-Deoxy-D-glucose and 5-thio-D-glucose decrease lactose content, inhibit secretory maturation and depress protein synthesis and secretion in lactating rat mammary gland. Sasaki M, et al. **Int J Biochem** 9(8):579–88, 1978

Carinoma of the breast in pregnancy and lactation. Clark RM, et al. **Int J Radiat Oncol Biol Phys** 4(7–8):693–8, Jul-Aug 78

Age and milk production data of cattle culled from a dairy herd with paratuberculosis. Buergelt CD, et al. **J Am Vet Med Assoc** 173(5 Pt 1):478–80, 1 Sep 78

Acylation of [3H]corticosterone by acini from mammary gland of lactating rats. Localization of the acylated glucocorticoid in the nuclear fraction. Hampel MR, et al. **J Biol Chem** 253(23):8545–53, 10 Dec 78

The effect of colonization of the mouse mammary gland by Staphylococcus epidermidis on subsequent infection with Staphylococcus aureus or Escherichia coli. Anderson JC. **J Comp Pathol** 88(4):545–53, Oct 78

Interrelationships between acetylation and the disposal of acetyl groups in the livers of dairy cows. Snoswell AM, et al. **J Dairy Res** 45(3):331–8, Oct 78

Incorporation of amino acids by isolated submitochondrial fractions of lactating goat mammary gland in vitro. Haggag HF, et al. **J Dairy Sci** 61(10):1384–91, Oct 78

Influence of dietary protein concentration on milk production

by dairy cattle during early lactation. Roffler RE, et al. **J Dairy Sci** 61(10):1422–8, Oct 78

Dietary lipid metabolism in lactating dairy cows. Yang YT, et al. **J Dairy Sci** 61(10):1400–6, Oct 78

Plasma concentrations of 25-hydroxy vitamin D in pregnant and lactating ewes and foetal and newborn lambs. Barlet JP, et al. **J Endocrinol** 79(1):149–50, Oct 78

Relationships between prolactin and follicle-stimulating hormone during early pregnancy and the puerperium. Khattab TY, et al. **J Endocrinol** 78(3):351–8, Sep 78

The effect of dietary fat supplements on cholesterol metabolism in ruminants. Nestel PJ, et al. **J Lipid Res** 19(7):899–909, Sep 78

Presence of a mouse mammary tumor virus-related antigen in human breast carcinoma cells and its absence from normal mammary epithelial cells. Yang NS, et al. **J Natl Cancer Inst** 61(5):1205–8, Nov 78

Models of infantile undernutrition in rats: effects on milk. Crnic LS, et al. **J Nutr** 108(11):1755–60, Nov 78

A conspectus of research on folacin requirements of man. Rodríguez MS. **J Nutr** 108(12):1983–2075, Dec 78

Milk progesterone levels in relation to conception, repeat breeding and factors influencing acyclicity in dairy cows. Bulman DC, et al. **J Reprod Fertil** 54(2):447–58, Nov 78

Ovarian function in suckling and non-suckling beef cows post partum. Radford HM, et al. **J Reprod Fertil** 54(1):49–56, Sep 78

Cephradine and epicillin in body fluids of lactating and pregnant women. Mischler TW, et al. **J Reprod Med** 21(3):130–6, Sep 78

Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier M, et al. **J Steroid Biochem** 6(10):1433–7, Oct 75

Lactate dehydrogenase in normal mammary glands and in 7,12-dimethylbenz[a]anthracene-induced mammary tumors in Sprague-Dawley rats. Lee C, et al. **JNCI** 62(1):193–9, Jan 79

Duration of breast-feeding after early initiation and frequent feeding. Salariya EM, et al. **Lancet** 2(8100):1141–3, 25 Nov 78

Maternal deficiency of protein or protein and calories during lactation: effect upon CNS myelin subfraction formation in rat offspring. Figlewicz DA, et al. **Life Sci** 23(21):2163–72, 20 Nov 78

Some aspects of maternal behaviour in mammals. Walser ES. **Med Biol** 56(5):262–71, Oct 78 (271 ref.)

Galactose and glucose metabolism in the isolated perfused suckling and adult rat liver. Berman WF, et al. **Metabolism** 27(12):1721–31, Dec 78

RNA synthesis in isolated nuclei of lactating mammary cells in presence of unmodified and mercury-labeled CTP. Ganguly R, et al. **Nucleic Acids Res** 5(11):4463–77, Nov 78

American Academy of Pediatrics. Committee on Nutrition. Calcium requirements in infancy and childhood. **Pediatrics** 62(5):826–34, Nov 78 (36 ref.)

Estrogen treatment of teenage girls in the United States: description of the treated population. Rooks JB. **Pediatrics** 62(6 Pt 2):1098–103, Dec 78

Influence of dietary fat, fasting, and acute premature weaning on in vivo rates of fatty acid synthesis in lactating mice. Romsos DR, et al. **Proc Soc Exp Biol Med** 159(2):308–12, Nov 78

Hormonal activation of mammary gland peroxidase. Strum JM. **Tissue Cell** 10(3):505–14, 1978

Twinning in lactating Friesian cows by non-surgical egg transfer. Boland MP, et al. **Vet Rec** 103(11):241, 9 Sep 78

[Effect of hypodermyiasis in cattle on milk-production indicators in 1st-calvers] Říha J, et al. **Vet Med (Praha)** 23(10):597–605, Oct 78 (Eng. Abstr.) **(Cze)**

[Economic evaluation of the method of gradual formation of groups of dairy cows from primiparae free of infectious mastitis] Stérbová J, et al. **Vet Med (Praha)** 23(10):607–14, Oct 78 (Eng. Abstr.) **(Cze)**

[Radioimmunological determination of oxytocin in human plasma] Vanden Driessche R, et al. **Verh K Acad Geneeskd Belg** 40(3):131–48, 1978 (Eng. Abstr.) **(Dut)**

[Relationship between fecundity, lactation and infant mortality. Initial results of a survey based on a sample representative of the population of Nabeul] Stroobant A, et al. **Tunis Med** 56(2):171–8, Mar–Apr 78 **(Fre)**

[Medical breast inspection] **MMW** 121(1):10, 5 Jan 79 **(Ger)**

[Radioimmunological evaluation of hormonal parameters in the stimulation and inhibition of lactogenesis] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):37–57, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

[Breast massage for better lactation--an impression of the seminar for midwifes on Okekya's method of breast massage] Yamanishi M, et al. **Josanpu Zasshi** 32(8):468–88, Aug 78 **(Jpn)**

[Lactation] Pertyński J. **Pieleg Polozna** (12):7–8, 1978 **(Pol)**

[Lactation physiology and weaning] Brundin J. **Katilolehti** 83(10):362–8 contd, Oct 78 **(Swe)**

DRUG EFFECTS

Data sheets and lactation [letter] Morris CD. **Br Med J** 2(6149):1435–6, 18 Nov 78

Prevention and suppression of post-partum lactation with 2-bromo-alpha-ergocryptine (CB-154). Macleod SC, et al. **Clin Endocrinol (Oxf)** 6 Suppl:65S–70S, 1977

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Lack of acute effects of pyridoxine on prolactin secretion and lactation. Husami N, et al. **Fertil Steril** 30(4):393–7, Oct 78

Membranes of mammary gland--XVIII. 2-Deoxy-D-glucose and 5-thio-D-glucose decrease lactose content, inhibit secretory maturation and depress protein synthesis and secretion in lactating rat mammary gland. Sasaki M, et al. **Int J Biochem** 9(8):579–88, 1978

Insulin secretion in lactating cows: responses to glucose infused intravenously in normal, ketonemic, and starved animals. Hove K. **J Dairy Sci** 61(10):1407–13, Oct 78

Dangers of vitamin B6 in nursing mothers [letter] Greentree LB. **N Engl J Med** 300(3):141–2, 18 Jan 79

SOMATOMEDIN

Demonstration of somatomedin activity of 'multiplication-stimulating activity' in rabbit costal chondrocytes in culture. Kato Y, et al. **J Biochem (Tokyo)** 84(4):1001–4, Oct 78

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489–98, 27 Oct 78 (63 ref.) **(Ger)**

BLOOD

The Snell-dwarfmouse. II. Sulphate and thymidine incorporation in costal cartilage and somatomedin levels before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):646–58, Dec 78

Somatomedin in newborns and the relationship to human chorionic somatotropin and fetal growth. Kastrup KW, et al. **Acta Paediatr Scand** 67(6):757–62, Nov 78

Plasma somatomedin activity in an infant with Beckwith Wiedemann syndrome. Ashton IK, et al. **Early Hum Dev** 1(4):357–62, Feb 78

Somatomedin activity in human cord plasma and relationship to birth size, insulin, growth hormone, and prolactin. Ashton IK, et al. **Early Hum Dev** 2(2):115–22, Jul 78

Estrogen treatment of girls with constitutional tall stature. Bierich JR. **Pediatrics** 62(6 Pt 2):1196–201, Dec 78

[Growth hormone and somatomedin activity in children with anorexia nervosa, relation to weight changes (proceedings) (author's transl)] Rappaport R, et al. **Ann Endocrinol (Paris)** 39(3):259–60, 1978 (Eng. Abstr.) **(Fre)**

[Determination of somatomedin in the blood using the protein content of the cultured chondrocytes as an indicator] Kawano S, et al. **Horumon To Rinsho** 26(11):1116–9, Nov 78 **(Jpn)**

PHYSIOLOGY

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

THYROID

I. *Physical and Functional Aspects*

THYROID FUNCTION TESTS

Comparisons between serum concentrations of thyroxine and thyroxine-binding proteins in samples simultaneously obtained from capillary, peripheral vein, central vein and aorta in newborn infants. Jacobsen BB, et al. **Acta Paediatr Scand** 68(1):43–8, Jan 79

Thyroid function tests [letter] Sheridan P, et al. **Br Med J** 2(6145):1162, 21 Oct 78

Free-thyroxine index in mania and depression. Rinieris P, et al. **Compr Psychiatry** 19(6):561–4, Nov-Dec 78

Thyroid activity in relation to reproductive performance of Surti buffalo heifers (Bubalus bubalis)--protein bound iodine. Vadodaria VP, et al. **Indian J Exp Biol** 16(9):986–8, Sep 78

Screening of the thyroid function of newborns in Southern Belgium. Bouckaert A, et al. **Int J Epidemiol** 7(3):249, Sep 78

Thyroid and obesity: survey of some function tests in a large obese population. Strata A, et al. **Int J Obes** 2(3):333–40, 1978

Thyroid function and laboratory tests [letter] Decaux G, et al. **Lancet** 2(8100):1153, 25 Nov 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

[Hypothyroidism. Introduction] Bricaire H. **Rev Prat** 28(43):3245–7, 1 Oct 78 **(Fre)**

[Thyroid exploration] Baulieu JL. **Soins** 23(23):45–8, 50, 5 Dec 78 **(Fre)**

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[Thyroid-function parameters in liver diseases] Rudorff KH, et al. **Med Welt** 29(48):1888–92, 1 Dec 78 **(Ger)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Normal values of total thyroxine and the index of binding of I-125 labeled triiodothyronine in healthy children] Koehler B, et al. **Pol Tyg Lek** 33(47):1827–9, 20 Nov 78 (Eng. Abstr.) **(Pol)**

METHODS

[Paraclinical studies in hypothyroidism] Fournier M, et al. **Rev Prat** 28(43):3301–4, 3307–9, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Sex hormone binding globulin (SHBG), a new metabolic in vitro thyroid function test] Staub JJ, et al. **Schweiz Med Wochenschr** 108(48):1909–11, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[An evaluation of a T4 RIA kit using solid phase method--SPAC T4 RIA (author's transl)] Koizumi K, et al. **Radioisotopes** 27(9):539–42, Sep 78 **(Jpn)**

[Functional state of the thyroid gland at various stages of arteriosclerosis according to the data of radioisotope diagnosis in vitro] Koroliuk IP, et al. **Kardiologiia** 18(10):134–6, Oct 78 **(Rus)**

THYROID GLAND

Thyroid gland volume estimated by use of ultrasound in addition to scintigraphy. Brown MC, et al. **Acta Radiol [Ther] (Stockh)** 17(4):337–41, 1978

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

[Thyroid gland: anatomy and physiology] Baulieu JL. **Soins** 23(23):5–8, 5 Dec 78 **(Fre)**

[Autoimmune polyendocrinopathy with IGA deficiency] Schwarz U, et al. **Schweiz Med Wochenschr** 108(48):1912–3, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[Thyroid tissue along the thyroglossal tract] Degani S, et al. **Harefuah** 95(7):210–3, 1 Oct 78 (Eng. Abstr.) **(Heb)**

ABNORMALITIES

Incomplete descent of the thyroid. White IL, et al. **Ear Nose Throat J** 57(12):528–32, Dec 78

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

[Radiology in hypothyroidism in children] Capdeville R, et al. **J Radiol Electrol Med Nucl** 59(6–7):432, Jun-Jul 78 **(Fre)**

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Case of an aberrant thyroid gland in the peripharyngeal space] Shvartsman AIa, et al. **Vestn Otorinolaringol** (6):66–7, Nov-Dec 78 **(Rus)**

ANALYSIS

Separation of membrane proteins in an undenatured form by isoelectric focusing. Banga JP, et al. **Anal Biochem** 89(2):348–54, Sep 78

Heterogeneity of immunoreactive calcitonin in normal human thyroid. Jullienne A, et al. **Horm Metab Res** 10(5):456–7, Sep 78

Chemical and physical characterization of submolecular proteins of porcine thyroglobulin. Itagaki E, et al. **J Biochem (Tokyo)** 84(3):597–606, Sep 78

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765–71, Oct 78

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Thyroid gland formation from inocula of monodispersed cells: early results on quantitation, function, neoplasia and radiation effects. Clifton KH, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):987–90, Nov-Dec 78

Histological changes in the thyroid gland in rats on acclimatisation to simulated high altitude. Gradwell E. **J Pathol** 125(1):33–7, May 78

Radiation exposure during panoramic radiography in children. Myers DR, et al. **Oral Surg** 46(4):588–93, Oct 78

[Thyroid gland: anatomy and physiology] Baulieu JL. **Soins** 23(23):5–8, 5 Dec 78 **(Fre)**

BLOOD SUPPLY

Thyroid capsule changes during the development of thyroid

hyperplasia in the rat. Wollman SH, et al. **Am J Pathol** 93(3):639–54, Dec 78

Freeze-etching images of capillary endothelial pores in the liver, thyroid and adrenal of the mouse. Ishimura K, et al. **Arch Histol Jpn** 41(2):187–93, Apr 78

[Immunoreactive parathyroid hormone in samples from thyroid veins (author's transl)] Offermann G, et al. **Klin Wochenschr** 56(20):1007–12, 15 Oct 78 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Release of cyclic AMP from thyroid cells in vitro. Ahrén B, et al. **Acta Endocrinol (Copenh)** 89(4):693–700, Dec 78

PAS-lead hematoxylin as a stain for small-granule endocrine cell populations in the lungs, other pharyngeal derivatives and the gut. Sorokin SP, et al. **Anat Rec** 192(2):245–59, Oct 78

Cholinergic stimulation of the thyroid mitotic activity. Preliminary report. Pawlikowski M, et al. **Endokrynol Pol** 29(6):459–61, Nov–Dec 78 (Eng. Abstr.)

Morphometric investigations on endocrine glands. IV. The rat thyroid during liver regeneration after partial hepatectomy with and without application of carcinogenic substances. Löw O, et al. **Exp Pathol (Jena)** 16(1–6):234–44, 1978

Expression of human mammary epithelial (HME) antigens in primary cultures of normal and abnormal breast tissue. Peterson JA, et al. **Int J Cancer** 22(6):655–61, Dec 78

Comparative toxicity of polychlorinated biphenyl and polybrominated biphenylin the rat thyroid gland: light and electron microscopic alterations after subacute dietary exposure. Kasza L, et al. **J Environ Pathol Toxicol** 1(5):587–99, May–Jun 78

[Change in the specific functions of cells under the influence of antibodies] Zaĭchik ASh. **Tsitologiia** 20(9):1070–4, Sep 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Pharmacological properties of some androgenic steroid nitrates. Cuparencu B, et al. **Agressologie** 19(1):39–58, 1978

Formation of apical pseudopods by canine thyroid follicular cells: induction by thyrotropin and 5-hydroxytryptamine; antagonism by reserpine. Nunez EA, et al. **Anat Rec** 192(2):215–24, Oct 78

Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Friedman Y, et al. **Endocr Res Commun** 5(2):109–24, 1978

Cholinergic stimulation of the thyroid mitotic activity. Preliminary report. Pawlikowski M, et al. **Endokrynol Pol** 29(6):459–61, Nov–Dec 78 (Eng. Abstr.)

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Takasu N, et al. **Eur J Biochem** 90(1):139–46, 15 Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Takasu N, et al. **Eur J Biochem** 90(1):131–8, 15 Sep 78

A histochemical demonstration of the Na+ + K+-ATPase activity in the thyroid and the effect of cyclic adenosine monophosphate (c-AMP). Ivić M, et al. **Experientia** 34(11):1513–4, 15 Nov 78

Depressive effect of thyrotropin in the physiological dose range on prostaglandin E2 synthesis and accumulation in cultured hog thyroid cells. Margotat A, et al. **FEBS Lett** 95(2):347–51, 15 Nov 78

Action of insulin on thyroid protein synthesis in dogs. Brisson-Lougarre A, et al. **Horm Metab Res** 10(5):396–400, Sep 78

Effect of propyl thiouracil on adenyl cyclase activity & phospholipogenesis in rat thyroids. Pahuja DN, et al. **Indian J Biochem Biophys** 15(1):79–80, Feb 78

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

Comparative toxicity of polychlorinated biphenyl and polybrominated biphenylin the rat thyroid gland: light and electron microscopic alterations after subacute dietary exposure. Kasza L, et al. **J Environ Pathol Toxicol** 1(5):587–99, May–Jun 78

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78

[Influence of haloperidol on the 3H-leucine incorporation in incretory organs of the mouse (author's transl)] Lange E, et al. **Zentralbl Allg Pathol** 122(5):496–501, 1978 (Eng. Abstr.) **(Ger)**

[The neurobiology of lithium] Navón S. **Medicina (B Aires)** 38(1):93–104, Jan–Feb 78 (115 ref.) **(Spa)**

[TSH and TRH response to 6-methyl-prednisolone] Miralles García JM, et al. **Rev Clin Esp** 150(5):235–7, 15 Sep 78 **(Spa)**

EMBRYOLOGY

Thyroid disease and pregnancy [editorial] **Br Med J** 2(6143):977–8, 7 Oct 78

ENZYMOLOGY

Subcellular structure of bovine thyroid gland. The localization of the peroxidase activity in bovine thyroid. De Wolf MJ, et al. **Biochem J** 174(3):939–49, 15 Sep 78

The characterization of n-butanol-pseudosolubilized and trypsin-solubilized porcine thyroid iodide peroxidase. Scheve LG, et al. **Biochim Biophys Acta** 526(2):359–68, 12 Oct 78

Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Friedman Y, et al. **Endocr Res Commun** 5(2):109–24, 1978

Activity of adenylate cyclase and phospodiesterase in the pituitary and thyroid during postnatal period in rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 12(3):179–85, Sep 78

A histochemical demonstration of the Na+ + K+-ATPase activity in the thyroid and the effect of cyclic adenosine monophosphate (c-AMP). Ivić M, et al. **Experientia** 34(11):1513–4, 15 Nov 78

Bovine thyroidal xanthine oxidase. Lee HS, et al. **Int J Biochem** 9(8):559–66, 1978

Metabolite control of L-fucose utilization. Richards WL, et al. **J Biol Chem** 253(23):8359–61, 10 Dec 78

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

Acid triacylglycerol lipase from bovine thyroid gland. De Wolf M, et al. **Lipids** 13(9):598–604, Sep 78

GROWTH & DEVELOPMENT

Activity of adenylate cyclase and phospodiesterase in the pituitary and thyroid during postnatal period in rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 12(3):179–85, Sep 78

IMMUNOLOGY

Expression of human mammary epithelial (HME) antigens in primary cultures of normal and abnormal breast tissue. Peterson JA, et al. **Int J Cancer** 22(6):655–61, Dec 78

Effect of histocompatibility and transplant site in thyroid allograft survival. Perloff LJ, et al. **Surg Forum** 28:312–3, 1977

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[A study on subclinical types of autoimmune thyroiditis (Hashimoto's) among autopsy cases (author's transl)] Yoshida H. **Nippon Naibunpi Gakkai Zasshi** 54(11):1249–61, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Change in the specific functions of cells under the influence of antibodies] Zaĭchik ASh. **Tsitologiia** 20(9):1070–4, Sep 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Formation of apical pseudopods by canine thyroid follicular cells: induction by thyrotropin and 5-hydroxytryptamine; antagonism by reserpine. Nunez EA, et al. **Anat Rec** 192(2):215–24, Oct 78

Thyroid iodine concentration and total thyroid iodine in normal subjects and in endemic goitre subjects. Hellstern P, et al. **Clin Endocrinol (Oxf)** 9(4):351–6, Oct 78

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et al. **Endocrinol Jpn** 25(4):329–34, Aug 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Takasu N, et al. **Eur J Biochem** 90(1):131–8, 15 Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Takasu N, et al. **Eur J Biochem** 90(1):139–46, 15 Sep 78

Depressive effect of thyrotropin in the physiological dose range on prostaglandin E2 synthesis and accumulation in cultured hog thyroid cells. Margotat A, et al.

FEBS Lett 95(2):347–51, 15 Nov 78

Action of insulin on thyroid protein synthesis in dogs. Brisson-Lougarre A, et al. **Horm Metab Res** 10(5):396–400, Sep 78

Effect of propyl thiouracil on adenyl cyclase activity & phospholipogenesis in rat thyroids. Pahuja DN, et al. **Indian J Biochem Biophys** 15(1):79–80, Feb 78

Unresponsiveness to exogenous TSH in obesity. Schmitt T, et al. **Int J Obes** 1(2):185–90, 1977

Mitotic rate of the rat's thyroid gland during hypertrophy induced by an antithyroid agent (carbimazole). Redmond O, et al. **J Anat** 127(2):353–62, Oct 78

Camel thyroid metabolism: effect of season and dehydration. Yagil R, et al. **J Appl Physiol** 45(4):540–4, Oct 78

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

Basic isotope thyroid parameters in Zambia. Mikolajkow AT. **Med J Zambia** 11(6):158–9, Dec-Jan 78

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78

Characteristics of calcitonin degradation in vitro produced by incubation with procine thyroid tissue. Pento JT. **Mol Cell Endocrinol** 12(1):31–40, Oct 78

Biosynthesis of labelled anti-müllerian hormone by fetal testes: evidence for the glycoprotein nature of the hormone and for its disulfide-bonded structure. Picard JY, et al. **Mol Cell Endocrinol** 12(1):17–30, Oct 78

Effect of thyroid phospholipids on the interaction of thyrotropin with thyroid membranes. Omodeo-Sale F, et al. **Proc Natl Acad Sci USA** 75(11):5301–5, Nov 78

[Iodoamino acid synthesis in vitro with excellent yield of iodothyronines (author's transl)] Okamura K. **Fukuoka Igaku Zasshi** 69(9):414–26, Sep 78 (Eng. Abstr.) **(Jpn)**

[Iodine metabolism in the autonomous functioning thyroid nodule and para-nodular tissue (author's transl)] Shiroozu A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):866–75, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Effect of an industrial frequency alternating magnetic field on the functional state of the thyroid gland and thyroxine absorption by the organs of rats] Udintsev NA, et al. **Biull Eksp Biol Med** 86(11):544–6, Nov 78 (Eng. Abstr.) **(Rus)**

[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723–5, 1978 **(Rus)**

PATHOLOGY

Observer variation in histologic classification of thyroid cancer. Saxén E, et al. **Acta Pathol Microbiol Scand [A]** 86A(6):483–6, Nov 78

Thyroid capsule changes during the development of thyroid hyperplasia in the rat. Wollman SH, et al. **Am J Pathol** 93(3):639–54, Dec 78

Indications for thyroid surgery. Brooks JR. **Compr Ther** 4(9):51–7, Sep 78

Morphometric investigations on endocrine glands. IV. The rat thyroid during liver regeneration after partial hepatectomy with and without application of carcinogenic substances. Löw O, et al. **Exp Pathol (Jena)** 16(1–6):234–44, 1978

The pathology of thyroiditis. Volpé R. **Hum Pathol** 9(4):429–38, Jul 78

Mitotic rate of the rat's thyroid gland during hypertrophy induced by an antithyroid agent (carbimazole). Redmond O, et al. **J Anat** 127(2):353–62, Oct 78

Dietary subacute toxicity of ethylene thiourea in the laboratory rat. Freudenthal RI, et al. **J Environ Pathol Toxicol** 1(1):147–61, Sep-Oct 78

Laryngeal malignancy following iodine-125 therapy for thyrotoxicosis. McKillop JH, et al. **Lancet** 2(8101):1177–9, 2 Dec 78

Distribution of nodules in thyroid lobes. Vakili C, et al. **Pahlavi Med J** 9(3):289–95, Jul 78

The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Hayden DW, et al. **Vet Pathol** 15(5):649–62, Sep 78

[Development of follicular and parafollicular adenomas in the thyroid of rats treated with thiamazole (author's transl)] Stoll R, et al. **Ann Endocrinol (Paris)** 39(3):179–89, 1978 (Eng. Abstr.) **(Fre)**

[Clinico-diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**

[Iodine metabolism in the autonomous functioning thyroid nodule and para-nodular tissue (author's transl)] Shiroozu A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):866–75, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[A study on subclinical types of autoimmune thyroiditis (Hashimoto's) among autopsy cases (author's transl)] Yoshida H. **Nippon Naibunpi Gakkai Zasshi** 54(11):1249–61, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Case of an aberrant thyroid gland in the peripharyngeal space] Shvartsman AIa, et al. **Vestn Otorinolaringol** (6):66–7, Nov-Dec 78 **(Rus)**

PHYSIOLOGY

The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Carriere R, et al. **Anat Rec** 192(3):407–21, Nov 78

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638–41, Nov 78

Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978

Morphometric investigations on endocrine glands. IV. The rat thyroid during liver regeneration after partial hepatectomy with and without application of carcinogenic substances. Löw O, et al. **Exp Pathol (Jena)** 16(1–6):234–44, 1978

Thyroid activity in relation to reproductive performance of Surti buffalo heifers (Bubalus bubalis)--protein bound iodine. Vadodaria VP, et al. **Indian J Exp Biol** 16(9):986–8, Sep 78

Studies on the hormonal control of circadian outer segment disc shedding in the rat retina. LaVail MM, et al. **Invest Ophthalmol Vis Sci** 17(12):1189–3, Dec 78

Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Evidence for the promotion of bone mineralization by 1alpha,25-dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec 78

The bone inducing capacity of syngeneic thyroid tissue in guinea-pig muscle. Zarrin K. **J Pathol** 125(2):99–102, Jun 78

Testing the TRH hypothesis of pineal function. Vriend J. **Med Hypotheses** 4(4):376–87, Jul-Aug 78

David Marine (1880–1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565–89, Summer 78

[Thyroid gland: anatomy and physiology] Baulieu JL. **Soins** 23(23):5–8, 5 Dec 78 **(Fre)**

[The thyroid gland. Foreword] Krivitzky A. **Soins** 23(23):3–4, 5 Dec 78 **(Fre)**

[Relevance of arterial sound timing in thyroid dysfunction (author's transl)] Lüderitz B, et al. **Med Klin** 73(47):1657–63, 24 Nov 78 (Eng. Abstr.) **(Ger)**

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

[Thyroid hormone metabolism and the functional activity of the thyroid gland in mother and fetus] Salakhova NS, et al. **Ontogenez** 9(6):594–600, 1978 (Eng. Abstr.) **(Rus)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary-thyroid system of women during pregnancy] Turakulova FIa, et al. **Probl Endokrinol (Mosk)** 24(6):39–42, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Recurrent acute suppurative thyroiditis. Abe K, et al. **Am J Dis Child** 132(10):990–1, Oct 78

The thyroid, prolactin, and breast cancer [editorial] VanderLaan WP, et al. **Arch Intern Med** 138(11):1611–2, Nov 78

Body weight and endocrine function in anorexia nervosa [letter] Wakeling A, et al. **Br Med J** 2(6145):1164, 21 Oct 78

Free-thyroxine index in mania and depression. Rinieris P, et al. **Compr Psychiatry** 19(6):561–4, Nov-Dec 78

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Hemodialysis and thyroid functions in children. Chan JC, et al. **J Dial** 2(4):387–92, 1978

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

[A new model of genetically-induced hypertension. Role of the thyroid function (proceedings) (author's transl)] Sassard J, et al. **Ann Endocrinol (Paris)** 39(3):243–4, 1978 (Eng. Abstr.) **(Fre)**

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[Relevance of arterial sound timing in thyroid dysfunction (author's transl)] Lüderitz B, et al. **Med Klin** 73(47):1657–63, 24 Nov 78 (Eng. Abstr.) **(Ger)**

[Thyroid-function parameters in liver diseases] Rudorff KH, et al. **Med Welt** 29(48):1888–92, 1 Dec 78 **(Ger)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[Serum thyroid hormone concentration as an indicator of the thyroid gland function] Jeske W, et al. **Endokrynol Pol** 29(6):501–9, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

[Functional state of the thyroid gland at various stages of arteriosclerosis according to the data of radioisotope diagnosis in vitro] Koroliuk IP, et al. **Kardiologiia** 18(10):134–6, Oct 78 **(Rus)**

[Role of paraclinical methods in the early diagnosis of hereditary open-angle glaucoma] Kozlova LP, et al. **Oftalmol Zh** (6):443–6, 1978 (Eng. Abstr.) **(Rus)**

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

[Role of thyroid gland dysfunction in the pathogenesis and course of cerebral circulatory disorders] Buletsa BA, et al. **Zh Nevropatol Psikhiatr** 78(11):1614–6, 1978 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation dose related to collimator geometry in the first generation EMI scanner. Axelsson B, et al. **Acta Radiol [Ther] (Stockh)** 17(4):331–6, 1978

Thyroid gland formation from inocula of monodispersed cells: early results on quantitation, function, neoplasia and radiation effects. Clifton KH, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):987–90, Nov–Dec 78

Laryngeal malignancy following iodine-125 therapy for thyrotoxicosis. McKillop JH, et al. **Lancet** 2(8101):1177–9, 2 Dec 78

A study of the dose to the thyroid and the eye in computed tomography of the brain. Raeside DE, et al. **Radiology** 129(3):814–5, Dec 78

RADIOGRAPHY

[Radiology in hypothyroidism in children] Capdeville R, et al. **J Radiol Electrol Med Nucl** 59(6–7):432, Jun–Jul 78 **(Fre)**

[Clinical studies on metastatic patterns of carcinoma of the thyroid (author's transl)] Kasai N, et al. **Nippon Gan Chiryo Gakkai Shi** 13(5):537–45, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Thyroid gland volume estimated by use of ultrasound in addition to scintigraphy. Brown MC, et al. **Acta Radiol [Ther] (Stockh)** 17(4):337–41, 1978

Imaging characteristics of a small germanium camera. Kaufman L, et al. **Invest Radiol** 13(3):223–32, May–Jun 78

Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. Kammer H, et al. **J Nucl Med** 19(10):1149–50, Oct 78

Fluorescent thyroid imaging: clinical evaluation of an alternative instrument. Johnson PM, et al. **Radiology** 130(1):219–22, Jan 79

[Clinical uses of I-123 produced by 127I(p, 5n) 123Xe to 123I reaction in NIRS (author's transl)] Saegusa K, et al. **Kaku Igaku** 15(5):751–4, Aug 78 **(Jpn)**

SECRETION

Release of cyclic AMP from thyroid cells in vitro. Ahrén B, et al. **Acta Endocrinol (Copenh)** 89(4):693–700, Dec 78

[The regulation of secretions by ions screened in vivo through a nutritional model and its impact on thyroidal iodine metabolism (proceedings) (author's transl)] Triantaphyllidis H. **Ann Endocrinol (Paris)** 39(3):241–2, 1978 (Eng. Abstr.) **(Fre)**

SURGERY

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957–66, Oct 78

[Negligence in early diagnosis and after care of a median neck cyst which proved to be the thyroid gland after surgical removal] **Ned Tijdschr Geneeskd** 122(49):1938–40, 9 Dec 78 **(Dut)**

[Surgical management of stenosis of the trachea (author's transl)] Ungár I. **Z Erkr Atmungsorgane** 151(1):30–4, Apr 78 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Thyroid gland formation from inocula of monodispersed cells: early results on quantitation, function, neoplasia and radiation effects. Clifton KH, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):987–90, Nov–Dec 78

Effect of histocompatibility and transplant site in thyroid allograft survival. Perloff LJ, et al. **Surg Forum** 28:312–3, 1977

ULTRASTRUCTURE

Formation of apical pseudopods by canine thyroid follicular cells: induction by thyrotropin and 5-hydroxytryptamine; antagonism by reserpine. Nunez EA, et al. **Anat Rec** 192(2):215–24, Oct 78

The pathology of thyroiditis. Volpé R. **Hum Pathol** 9(4):429–38, Jul 78

Comparative toxicity of polychlorinated biphenyl and polybrominated biphenylin the rat thyroid gland: light and electron microscopic alterations after subacute dietary exposure. Kasza L, et al. **J Environ Pathol Toxicol** 1(5):587–99, May–Jun 78

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765–71, Oct 78

Canine medullary carcinoma of the thyroid. Patnaik AK, et al. **Vet Pathol** 15(5):590–9, Sep 78

[Ultrastructure of the thymus and neuromuscular junction in myasthenic and non-myasthenic patients] Szekamova S, et al. **Morphol Igazsagugyi Orv Sz** 18(2):107–16, Apr 78 (Eng. Abstr.) **(Hun)**

[Submicroscopic changes in the thyroid gland in burns] Smorshchok SA. **Biull Eksp Biol Med** 86(11):598–601, Nov 78 (Eng. Abstr.) **(Rus)**

[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723–5, 1978 **(Rus)**

THYROIDECTOMY

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al. **Acta Endocrinol (Copenh)** 89(4):679–86, Dec 78

The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Carriere R, et al. **Anat Rec** 192(3):407–21, Nov 78

Thyroidectomy. Wade JS. **Br J Hosp Med** 20(4):456, 459–61, 464–8 passim, Oct 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Thyroglobulin of varying molecular sizes with different disappearance rates in plasma following subtotal thyroidectomy. Feldt-Rasmussen U, et al.

Clin Endocrinol (Oxf) 9(3):205–14, Sep 78

Indications for thyroid surgery. Brooks JR. **Compr Ther** 4(9):51–7, Sep 78

Effect of thyroidectomy on the secretory profiles of growth hormone, thyrotropin and corticosterone in the rat. Takeuchi A, et al. **Endocrinol Jpn** 25(4):381–90, Aug 78

Effect of thyroidectomy on intracellular amount and distribution of exchangeable Ca2+ in isolated rat liver cells. Rosenqvist U. **Mol Cell Endocrinol** 12(1):111–7, Oct 78

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

Thyroglobulin and thyroid cancer. Lo Gerfo P, et al. **Surg Forum** 28:133–5, 1977

A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8, Dec 78

[TSH response to TRH after subtotal thyroidectomy in patients with simple nodular goiter (proceedings) (author's transl)] Allannic H, et al. **Ann Endocrinol (Paris)** 39(3):249–51, 1978 (Eng. Abstr.) **(Fre)**

[Surgery of Basedow's disease] Blondeau P. **Chirurgie** 104(4):709–19, Jun 78 **(Fre)**

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Thyroidectomy] Champault G, et al. **Soins** 23(23):39–44, 5 Dec 78 **(Fre)**

[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**

[Changes in serum thyrotropin, thyroxine and triiodothyronine after complete thyroidectomy (author's transl)] Tamai H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):891–7, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Ultrastructural analysis of rat pancreatic islet B-cells following thyroidectomy] Utekhin VI, et al. **Arkh Anat Gistol Embriol** 75(10):102–6, Oct 78 (Eng. Abstr.) **(Rus)**

[Cancer of the thyroid associated with hyperthyroidism: report of 4 new cases and review of the literature] Jiménez-Alonso J, et al. **Rev Clin Esp** 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Asymptomatic esophageal perforation. Morris SJ, et al. **Am J Gastroenterol** 70(4):379–82, Oct 78

Incidental parathyroidectomy during thyroid surgery. Croyle PH, et al. **Am Surg** 44(9):559–63, Sep 78

Foetal thyroidectomy and hydranencephaly in lambs [letter] McIntosh GH. **Aust Vet J** 54(8):408–9, Aug 78

Thyroidectomy. Wade JS. **Br J Hosp Med** 20(4):456, 459–61, 464–8 passim, Oct 78

Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Reyes HM, et al. **Surg Gynecol Obstet** 148(1):76–8, Jan 79

METHODS

Thyroidectomy. Wade JS. **Br J Hosp Med** 20(4):456, 459–61, 464–8 passim, Oct 78

Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Reyes HM, et al. **Surg Gynecol Obstet** 148(1):76–8, Jan 79

[Prevention of recurrent nerve paresis and parathyroid lesions in thyroidectomy] Tschantz P. **Fortschr Med** 96(45):2286–8, 1 Dec 78 (Eng. Abstr.) **(Ger)**

[Surgical tactics in nodular lesions of the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** (11):123–7, Nov 78 (Eng. Abstr.) **(Rus)**

MORTALITY

Thyroidectomy. Wade JS. **Br J Hosp Med** 20(4):456, 459–61, 464–8 passim, Oct 78

NURSING

Theatre nursing care study: Derbyshire neck--a classic case of an enlarged right lobe of the thyroid gland. Firmin PB. **Nurs Times** 74(46):1896–9, 16 Nov 78

THYROID

II. Disorders of the Thyroid Gland

CRETINISM

DIAGNOSIS

Picture of the month. Kocher-Debré-Semelaigne syndrome. Gellis SS, et al. **Am J Dis Child** 132(10):1033-4, Oct 78

[Cretinism in a newborn infant discovered at mass screening] Nose O, et al. **Horumon To Rinsho** 26(11):1144-9, Nov 78 **(Jpn)**

[Symptoms of cretinism in newborn infants and follow-up studies--with special reference to 13 cases discovered within 3 months since birth] Onishi S, et al. **Horumon To Rinsho** 26(11):1155-62, Nov 78 **(Jpn)**

ETIOLOGY

David Marine (1880-1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565-89, Summer 78

PATHOLOGY

Picture of the month. Kocher-Debré-Semelaigne syndrome. Gellis SS, et al. **Am J Dis Child** 132(10):1033-4, Oct 78

GOITER

Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] Check W. **JAMA** 240(24):2618, 8 Dec 78

[Simple goiter] Schnurmann D. **Soins** 23(23):19-22, 5 Dec 78 **(Fre)**

BLOOD

TSH response pattern to TRH test and optimum time of blood sampling in sporadic euthyroid goitre. Blichert-Toft M, et al. **Acta Med Scand** 204(5):365-8, 1978

CHEMICALLY INDUCED

Goiter in foals caused by excessive iodine. Driscoll J, et al. **J Am Vet Med Assoc** 173(7):858-9, 1 Oct 78

The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Hayden DW, et al. **Vet Pathol** 15(5):649-62, Sep 78

[Thyroid diseases in rheumatoid arthritis] Genth E, et al. **Med Welt** 29(45):1746-53, 10 Nov 78 **(Ger)**

COMPLICATIONS

Thyroid crisis and tracheal compression in patient with retrosternal goitre. Owen WJ, et al. **Br Med J** 2(6143):997-8, 7 Oct 78

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187-97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

TSH response pattern to TRH test and optimum time of blood sampling in sporadic euthyroid goitre. Blichert-Toft M, et al. **Acta Med Scand** 204(5):365-8, 1978

FAMILIAL & GENETIC

Familial low thyroxine-binding globulin capacity. Daugbjerg PS, et al. **Dan Med Bull** 25(6):257-60, Dec 78

Pendred's syndrome in a rural Zambian family. Siddorn JA. **Med J Zambia** 12(2):56-8, Apr-May 78

METABOLISM

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121-30, Oct 78

OCCURRENCE

[Hyperthyroidism in the African black: 87 personal cases observed at Dakar] Sankalé M, et al. **Afr J Med Med Sci** 7(2):71-8, Jun 78 **(Fre)**

PATHOLOGY

Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] Check W. **JAMA** 240(24):2618, 8 Dec 78

The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Hayden DW, et al. **Vet Pathol** 15(5):649-62, Sep 78

PREVENTION & CONTROL

[Recurrent goiter with and without prevention] Koch G, et al. **Med Welt** 29(46):1787-9, 17 Nov 78 **(Ger)**

RADIOTHERAPY

Natural history of radiation-associated thyroid cancer. Roudebush CP, et al. **Arch Intern Med** 138(11):1631-4, Nov 78

SURGERY

Theatre nursing care study: Derbyshire neck--a classic case of an enlarged right lobe of the thyroid gland. Firmin PB. **Nurs Times** 74(46):1896-9, 16 Nov 78

Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957-66, Oct 78

[Recurrent goiter with and without prevention] Koch G, et al. **Med Welt** 29(46):1787-9, 17 Nov 78 **(Ger)**

[Sodium, chloride and the so-called visible water balance following surgery for hyperthyroid goiter] Marczyńska A, et al. **Pol Przegl Chir** 50(8):653-9, Aug 78 (Eng. Abstr.) **(Pol)**

VETERINARY

Goiter in foals caused by excessive iodine. Driscoll J, et al. **J Am Vet Med Assoc** 173(7):858-9, 1 Oct 78

The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Hayden DW, et al. **Vet Pathol** 15(5):649-62, Sep 78

GOITER, ENDEMIC

[Simple goiter] Schnurmann D. **Soins** 23(23):19-22, 5 Dec 78 **(Fre)**

BLOOD

[A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Kuroda M. **Nippon Naibunpi Gakkai Zasshi** 54(8):980-993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

David Marine (1880-1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565-89, Summer 78

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251-4, 3257-8, 3263-4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

HISTORY

David Marine (1880-1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565-89, Summer 78

METABOLISM

Thyroid iodine concentration and total thyroid iodine in normal subjects and in endemic goitre subjects. Hellstern P, et al. **Clin Endocrinol (Oxf)** 9(4):351-6, Oct 78

OCCURRENCE

Thyroid hormone levels in Nigerians living in endemic goitrous and non-goitrous areas. Singh A, et al. **Trop Geogr Med** 30(2):235–40, Jun 78

[Epidemiology of struma in ambulant patients (author's transl)] Prinz H, et al. **MMW** 120(47):1565–6, 24 Nov 78 (Eng. Abstr.) **(Ger)**

[A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Kuroda M. **Nippon Naibunpi Gakkai Zasshi** 54(8):980–993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Thyroid diseases in the Cracow region in the years 1967–1973] Szybiński Z, et al. **Folia Med Cracov** 20(2):191–200, 1978 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

David Marine (1880–1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565–89, Summer 78

[Evaluation of the effectiveness of endemic goiter prevention is Sverdlovsk Province] Mikhailov IuM, et al. **Sov Med** (11):102–5, Nov 78 (Eng. Abstr.) **(Rus)**

GOITER, EXOPHTHALMIC

[Hyperthyroidism] Krivitsky A. **Soins** 23(23):9–15, 5 Dec 78 **(Fre)**

BLOOD

False diagnosis of orbital apex tumor by CAT scan in thyroid eye disease. Susac JO, et al. **Ann Neurol** 1(4):397–8, Apr 77

Radioimmunoassay for partially degraded thyrotropin. Nisula BC, et al. **Endocr Res Commun** 5(2):125–34, 1978

Long term antithyroid drug therapy for intractable cases of Graves' disease. Shizume K. **Endocrinol Jpn** 25(4):377–9, Aug 78

T3/T4 ratio in thyroid disease [letter] Walfish PG. **Lancet** 2(8098):1056, 11 Nov 78

Effects of adrenergic stimulating and blocking agents on glucose-induced insulin responses in human thyrotoxicosis. Wajchenberg BL, et al. **Metabolism** 27(12):1715–20, Dec 78

[Estimation of thyroid stimulating immunoglobulins (TSI) by the radioreceptor method] Wasilewska A, et al. **Endokrynol Pol** 29(5):361–70, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Hyperprolactinaemia and Graves' disease [letter] Barnett AH, et al. **Lancet** 2(8101):1210, 2 Dec 78

COMPLICATIONS

The role of thyroid stimulating immunoglobulins of Graves's disease in neonatal thyrotoxicosis. Munro DS, et al. **Br J Obstet Gynaecol** 85(11):837–43, Nov 78

Evidence for a primary autoimmune type of diabetes mellitus. Bottazzo GF, et al. **Br Med J** 2(6147):1253–5, 4 Nov 78

Cryopathic gangrene with an IgM lambda cryoprecipitating cold agglutinin. Kuenn JW, et al. **Cancer** 42(4):1826–33, Oct 78

Cerebral embolization in atrial fibrillation complicating hyperthyroidism. Giddings HB, et al. **JAMA** 240(23):2567, 1 Dec 78

[Multiple lentigines syndrome complicated with Graves' disease (author's transl)] Yamamura M, et al. **Nippon Naika Gakkai Zasshi** 67(6):623–9, 10 Jun 78 **(Jpn)**

DIAGNOSIS

Thyrotoxic Graves's disease after primary hypothyroidism [letter] Stott RB, et al. **Br Med J** 2(6143):1023, 7 Oct 78

T3/T4 ratio in thyroid disease [letter] Walfish PG. **Lancet** 2(8098):1056, 11 Nov 78

[Thyrotoxicosis occurring after the Werner test in Graves–Basedow disease] Diez Jiménez L, et al. **Rev Clin Esp** 150(5):285–6, 15 Sep 78 **(Spa)**

DRUG THERAPY

Long term antithyroid drug therapy for intractable cases of Graves' disease. Shizume K. **Endocrinol Jpn** 25(4):377–9, Aug 78

Cerebral embolization in atrial fibrillation complicating hyperthyroidism. Giddings HB, et al. **JAMA** 240(23):2567, 1 Dec 78

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[Lithium acetate, a useful and well tolerated thyrostatic for selected cases of hyperthyroidism] Eigenmann F, et al. **Schweiz Med Wochenschr** 108(47):1850–3, 25 Nov 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Thyrotoxic Graves's disease after primary hypothyroidism [letter] Coakley AJ, et al. **Br Med J** 2(6150):1500, 25 Nov 78

Thyrotoxic Graves's disease after primary hypothyroidism [letter] Stott RB, et al. **Br Med J** 2(6143):1023, 7 Oct 78

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

FAMILIAL & GENETIC

The operation of immunological networks in Graves' disease. Farid NR, et al. **Tissue Antigens** 12(3):205–11, Sep 78

IMMUNOLOGY

The role of thyroid stimulating immunoglobulins of Graves's disease in neonatal thyrotoxicosis. Munro DS, et al. **Br J Obstet Gynaecol** 85(11):837–43, Nov 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

The operation of immunological networks in Graves' disease. Farid NR, et al. **Tissue Antigens** 12(3):205–11, Sep 78

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

[Autoimmunity] Dessaint JP. **Lille Med** 23(8):574–82, Oct 78 **(Fre)**

[Basedow's disease, Hashimoto's disease and HL-A antigens] Kawahara K, et al. **Nippon Rinsho** 36(9):3189–92, 10 Sep 78 **(Jpn)**

METABOLISM

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

PHYSIOPATHOLOGY

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[When hormonal regulation slips (news)] **MMW** 120(45):1476, 10 Nov 78 **(Ger)**

RADIOGRAPHY

False diagnosis of orbital apex tumor by CAT scan in thyroid eye disease. Susac JO, et al. **Ann Neurol** 1(4):397–8, Apr 77

Direct sagittal scans in computed tomography of the orbits. Wing SD. **CT** 2(2):109–12, Jun 78

[Tomodensitometry of the orbit: study of 85 cases] Aubé M, et al. **Union Med Can** 107(11):1095–101, Nov 78 (Eng. Abstr.) **(Fre)**

SURGERY

Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957–66, Oct 78

[Surgery of Basedow's disease] Blondeau P. **Chirurgie** 104(4):709–19, Jun 78 **(Fre)**

[Results of the surgical treatment of hyperthyroidism 194 cases followed from 1 to 7 years (author's transl)] Melliere D, et al. **Chirurgie** 104(4):720–6, Jun 78 (Eng. Abstr.) **(Fre)**

THERAPY

Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957–66, Oct 78

GOITER, NODULAR

[Simple goiter] Schnurmann D. **Soins** 23(23):19–22, 5 Dec 78 **(Fre)**

COMPLICATIONS

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The role of ultrasound scanning in the diagnosis of thyroid swellings. Lees WR, et al. **Br J Surg** 65(10):681–4, Oct 78

[5 cases of nodular goiter] Kashio N, et al. **Horumon To Rinsho** 26(11):1219–22, Nov 78 **(Jpn)**

DRUG THERAPY

Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. Kammer H, et al. **J Nucl Med** 19(10):1149–50, Oct 78

[Lithium acetate, a useful and well tolerated thyrostatic for selected cases of hyperthyroidism] Eigenmann F, et al. **Schweiz Med Wochenschr** 108(47):1850–3, 25 Nov 78 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Nodular goiters of three mares and their foals, induced by feeding excessive amount of seaweed. Miyazawa K, et al. **Nippon Juigaku Zasshi** 40(6):749–53, Dec 78

FAMILIAL & GENETIC

[Unusual combination of progressive lipodystrophy (Barraquer--Simons type) and nodular goiter in 1 family] Kazakov VM, et al. **Klin Med (Mosk)** 56(11):134–9, Nov 78 **(Rus)**

METABOLISM

Normal prolactin response following thyrotrophin releasing hormone in patients with autonomously functioning euthyroid multinodular goitre. Elte JW, et al. **Clin Endocrinol (Oxf)** 9(5):413–7, Nov 78

Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. Kammer H, et al. **J Nucl Med** 19(10):1149–50, Oct 78

[Iodine metabolism in the autonomous functioning thyroid nodule and para-nodular tissue (author's transl)] Shiroozu A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):866–75, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Thyroid diseases in the Cracow region in the years 1967–1973] Szybiński Z, et al. **Folia Med Cracov** 20(2):191–200, 1978 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Iodine metabolism in the autonomous functioning thyroid nodule and para-nodular tissue (author's transl)] Shiroozu A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):866–75, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Surgical tactics in nodular lesions of the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** (11):123–7, Nov 78 (Eng. Abstr.) **(Rus)**

[Unusual combination of progressive lipodystrophy (Barraquer--Simons type) and nodular goiter in 1 family] Kazakov VM, et al. **Klin Med (Mosk)** 56(11):134–9, Nov 78 **(Rus)**

PHYSIOPATHOLOGY

[TSH response to TRH after subtotal thyroidectomy in patients with simple nodular goiter (proceedings) (author's transl)] Allannic H, et al. **Ann Endocrinol (Paris)** 39(3):249–51, 1978 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Evaluation of the effectiveness of endemic goiter prevention is Sverdlovsk Province] Mikhailov IuM, et al. **Sov Med** (11):102–5, Nov 78 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. Kammer H, et al. **J Nucl Med** 19(10):1149–50, Oct 78

SURGERY

[TSH response to TRH after subtotal thyroidectomy in patients with simple nodular goiter (proceedings) (author's transl)] Allannic H, et al. **Ann Endocrinol (Paris)** 39(3):249–51, 1978 (Eng. Abstr.) **(Fre)**

[The surgical treatment of toxic nodular goitres (author's transl)] Garnier H, et al. **Chirurgie** 104(4):727–31, Jun 78 (Eng. Abstr.) **(Fre)**

[Results of the surgical treatment of hyperthyroidism 194 cases followed from 1 to 7 years (author's transl)] Melliere D, et al. **Chirurgie** 104(4):720–6, Jun 78 (Eng. Abstr.) **(Fre)**

[Surgical tactics in nodular lesions of the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** (11):123–7, Nov 78 (Eng. Abstr.) **(Rus)**

VETERINARY

Nodular goiters of three mares and their foals, induced by feeding excessive amount of seaweed. Miyazawa K, et al. **Nippon Juigaku Zasshi** 40(6):749–53, Dec 78

GOITER, SUBSTERNAL

COMPLICATIONS

[Surgical management of stenosis of the trachea (author's transl)] Ungár I. **Z Erkr Atmungsorgane** 151(1):30–4, Apr 78 (Eng. Abstr.) **(Ger)**

SURGERY

[Surgical management of stenosis of the trachea (author's transl)] Ungár I. **Z Erkr Atmungsorgane** 151(1):30–4, Apr 78 (Eng. Abstr.) **(Ger)**

HYPERTHYROIDISM

Synthesis and degradation of myocardial protein during the development and regression of thyroxine-induced cardiac hypertrophy in rats. Sanford CF, et al. **Circ Res** 43(5):688–94, Nov 78

Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] Check W. **JAMA** 240(24):2618, 8 Dec 78

[Hyperthyroidism] Krivitsky A. **Soins** 23(23):9–15, 5 Dec 78 **(Fre)**

[Hyperthyroidism and hypothyroidism] Hamada N, et al. **Nippon Rinsho** 36(10):3392–7, Oct 78 **(Jpn)**

BLOOD

Myxoedema and thyrotoxicosis: relations between clinical state and concentrations of thyroxine and triiodothyronine in blood. Johansen K, et al. **Acta Med Scand** 204(5):361–4, 1978

Clinical value of total T4 and T3 determinations in patients with suspect hyperthyroidism before and after correction for binding proteins. Kallner G, et al. **Acta Med Scand** 204(5):369–73, 1978

Elevated alkaline phosphatase in a hypoestrin--hyperthyroid patient. Margolese MS, et al. **Am J Clin Pathol** 70(5):846, Nov 78

T3 thyrotoxicosis [letter] Pombo M, et al. **Am J Dis Child** 132(11):1147, Nov 78

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

Specific weight loss in hyperthyroidism. Bratusch-Marrain P, et al. **Horm Metab Res** 10(5):412–5, Sep 78

L--3',5'--diiodothyronine in human serum [letter] Kirkegaard C, et al. **Lancet** 2(8102):1255, 9 Dec 78

T3/T4 ratio in thyroid disease [letter] Walfish PG. **Lancet** 2(8098):1056, 11 Nov 78

Effects of adrenergic stimulating and blocking agents on glucose-induced insulin responses in human thyrotoxicosis. Wajchenberg BL, et al. **Metabolism** 27(12):1715–20, Dec 78

Normal serum T3 after abdominal operation in severe hyperthyroidism [letter] Topliss DJ, et al. **N Engl J Med** 300(2):92–3, 11 Jan 79

Serum alpha-1 antitrypsin levels in thyroid disease. Mitani H, et al. **Tokushima J Exp Med** 25(1–2):43–6, Jul 78

[Changes of serum 3,3',5'-L-triiodothyronine (reversed T3) in patients with thyrotoxicosis and hypothyreosis] Nedvídková J, et al. **Vnitr Lek** 24(12):1170–5, Dec 78 (Eng. Abstr.) **(Cze)**

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Effect of prednisolone on triiodothyronine and thyroxine concentration in hyperthyroidism] Zgliczyński S, et al. **Pol Arch Med Wewn** 60(5):433–42, Nov 78 (Eng. Abstr.) **(Pol)**

[Hyperthyroidism with selective increase in the serum of triiodothyronine level (T-3 toxicosis)] Bruchacki J. **Wiad Lek** 31(20):1483–6, 15 Oct 78 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Synthesis and degradation of myocardial protein during the development and regression of thyroxine-induced cardiac hypertrophy in rats. Sanford CF, et al. **Circ Res** 43(5):688–94, Nov 78

Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Moore PK, et al. **Prostaglandins** 16(3):335–49, Sep 78

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

[Iodine-induced hypothyroidism and hyperthyroidism] Baulieu JL. **Soins** 23(23):29–30, 5 Dec 78 **(Fre)**

[Iodine-induced hyperthyroidism (letter)] Reinwein D. **Dtsch Med Wochenschr** 103(44):1730, 3 Nov 78 **(Ger)**

[Thyrotoxicosis occurring after the Werner test in Graves-Basedow disease] Diez Jiménez L, et al. **Rev Clin Esp** 150(5):285–6, 15 Sep 78 **(Spa)**

CLASSIFICATION

[Surgical treatment of hyperthyroidism. Introduction] Blondeau P. **Chirurgie** 104(4):707–8, Jun 78 **(Fre)**

COMPLICATIONS

A pregnancy with a hydatidiform mole, thyreotoxicosis and live-born infant. Ladehoff P, et al. **Acta Obstet Gynecol Scand** 57(5):477–8, 1978

Incidence of thyroid disease in cases of hypertrophic cardiomyopathy. Bell R, et al. **Br Heart J** 40(11):1306–9, Nov 78

HLA and thyrotoxic periodic paralysis. Yeo PP, et al. **Br Med J** 2(6142):930, 30 Sep 78

Synthesis and degradation of myocardial protein during the development and regression of thyroxine-induced cardiac hypertrophy in rats. Sanford CF, et al. **Circ Res** 43(5):688–94, Nov 78

Lid retraction--its diagnosis and treatment. Buffam FV, et al. **Int Ophthalmol Clin** 18(3):75–86, Fall 78 (30 ref.)

Thymic hyperplasia in thyrotoxicosis. Nicholson RL. **J Can Assoc Radiol** 29(4):264–5, Dec 78

Thyrotoxic periodic paralysis with upper motor neuron findings. Platt G, et al. **JAMA** 240(22):2465–6, 24 Nov 78

Interaction of ethanol and thyroxine on hepatic oxygen consumption. Singh SP, et al. **Proc Soc Exp Biol Med** 159(2):226–9, Nov 78

Immune thrombocytopenia, red cell aplasia, lupus, and hyperthyroidism. Oren ME, et al. **South Med J** 71(12):1577–8, Dec 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93–8, Jun 78 **(Fre)**

[Severe hypercalcemia with hypophosphoremia of thyrotoxic origin (letter)] Roche J, et al. **Nouv Presse Med** 7(34):3056, 7 Oct 78 **(Fre)**

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism] Krivitsky A. **Soins** 23(23):9–15, 5 Dec 78 **(Fre)**

[Simultaneous occurrence of hyperthyreosis and thyroid carcinoma] Balázs G, et al. **Chirurg** 49(11):699–703, Nov 78 (Eng. Abstr.) **(Ger)**

[Psychiatric and neurologic disturbances in thyroid disorders (author's transl)] Hepp KD. **Wien Klin Wochenschr [Suppl]** 90(94):14–6, 1978 (Eng. Abstr.) **(Ger)**

[Case of hyperthyroidism associated with several forms of autoimmune diseases] Takayanagi M, et al. **Horumon To Rinsho** 26(11):1214–8, Nov 78 **(Jpn)**

[Cancer of the thyroid associated with hyperthyroidism: report of 4 new cases and review of the literature] Jiménez-Alonso J, et al. **Rev Clin Esp** 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**

[Apathetic hyperthyroidism. Report of a case and brief review of the literature (author's transl)] Moreno Berthier J, et al. **Rev Invest Clin** 30(4):379–83, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

CONGENITAL

The role of thyroid stimulating immunoglobulins of Graves's disease in neonatal thyrotoxicosis. Munro DS, et al. **Br J Obstet Gynaecol** 85(11):837–43, Nov 78

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

DIAGNOSIS

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Lid retraction--its diagnosis and treatment. Buffam FV, et al. **Int Ophthalmol Clin** 18(3):75–86, Fall 78 (30 ref.)

T3/T4 ratio in thyroid disease [letter] Walfish PG. **Lancet** 2(8098):1056, 11 Nov 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

Normal serum T3 after abdominal operation in severe hyperthyroidism [letter] Topliss DJ, et al. **N Engl J Med** 300(2):92–3, 11 Jan 79

T4 toxicosis. Thompson P Jr, et al. **South Med J** 71(12):1578–9, Dec 78

[Hyperthyroidism in the African black: 87 personal cases observed at Dakar] Sankalé M, et al. **Afr J Med Med Sci** 7(2):71–8, Jun 78 **(Fre)**

[Hyperthyroidism in black Africans (apropos of 87 personal cases observed in Senegal)] Sankalé M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):223–32, 1978 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism] Krivitsky A. **Soins** 23(23):9–15, 5 Dec 78 **(Fre)**

[Sex hormone binding globulin (SHBG), a new metabolic in vitro thyroid function test] Staub JJ, et al. **Schweiz Med Wochenschr** 108(48):1909–11, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[Apathetic hyperthyroidism. Report of a case and brief review of the literature (author's transl)] Moreno Berthier J, et al. **Rev Invest Clin** 30(4):379–83, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

How often should patients be reviewed after treatment with iodine-131 for thyrotoxicosis? Toft AD, et al. **Br Med J** 2(6145):1115–7, 21 Oct 78

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. Kammer H, et al. **J Nucl Med** 19(10):1149–50, Oct 78

[The medical treatment of hyperthyroidism (author's transl)] Joly J, et al. **Chirurgie** 104(4):694–701, Jun 78 (Eng. Abstr.) **(Fre)**

[Lithium acetate, a useful and well tolerated thyrostatic for selected cases of hyperthyroidism] Eigenmann F, et al. **Schweiz Med Wochenschr** 108(47):1850–3, 25 Nov 78 (Eng. Abstr.) **(Ger)**

[Apathetic hyperthyroidism. Report of a case and brief review of the literature (author's transl)] Moreno Berthier J, et al. **Rev Invest Clin** 30(4):379–83, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Stimulation of cardiac myosin adenosine triphosphatase in thyrotoxicosis. Morkin E. **Circ Res** 44(1):1–7, Jan 79 (50 ref.)

[Erythrocyte carbonic anhydrases in patients with

hyperthyroidism (author's transl)] Kondo T. **Hokkaido Igaku Zasshi** 53(3):175–90, May 78 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Neonatal thyrotoxicosis in four siblings born to a previously thyrotoxic mother. Bottenfield G, et al. **Am J Dis Child** 132(12):1218–20, Dec 78

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Radiation-induced carcinoma of the thyroid with severe thyrotoxicosis. Citrin DL, et al. **Wis Med J** 77(10):S97–9, Oct 78

[Hyperthyroidism and acromegaly. Pituitary tumor] Duron F, et al. **Ann Med Interne (Paris)** 129(8–9):533–7, Aug–Sep 78 **(Fre)**

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism and hypothyroidism] Hamada N, et al. **Nippon Rinsho** 36(10):3392–7, Oct 78 **(Jpn)**

FAMILIAL & GENETIC

Neonatal thyrotoxicosis in four siblings born to a previously thyrotoxic mother. Bottenfield G, et al. **Am J Dis Child** 132(12):1218–20, Dec 78

HISTORY

David Marine (1880–1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565–89, Summer 78

IMMUNOLOGY

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

METABOLISM

The preferential role of triiodothyronine in the regulation of basal metabolic rate in hyper- and hypothyroidism. Johansen K, et al. **Acta Med Scand** 204(5):357–9, 1978

Correction of the biochemical effects of neonatal hypothyroidism by daily low doses of thyroxine. Comparative effects of hyperthyroidism and these corrections. Dainat J, et al. **Acta Neurol Scand** 58(3):167–77, Sep 78

Has vitamin D a direct renal effect on the tubular reabsorption of phosphate? A study in parathyroidectomized (PTX) and non-PTX man. Madsen S, et al. **Adv Exp Med Biol** 103:111–23, 1978

Evaluation of oxidative phosphorylation in hearts from euthyroid, hypothyroid, and hyperthyroid rats. Nishiki K, et al. **Am J Physiol** 235(5):C212–9, Nov 78

Thyroxine binding and deiodination of thyroxine by human lymphocytes. Kvetny J. **Clin Chim Acta** 89(2):183–90, 16 Oct 78

Specific weight loss in hyperthyroidism. Bratusch-Marrain P, et al. **Horm Metab Res** 10(5):412–5, Sep 78

L-3', 5'-diiodothyronine in human serum [letter] Ködding R, et al. **Lancet** 2(8098):1049, 11 Nov 78

Interaction of ethanol and thyroxine on hepatic oxygen consumption. Singh SP, et al. **Proc Soc Exp Biol Med** 159(2):226–9, Nov 78

Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Moore PK, et al. **Prostaglandins** 16(3):335–49, Sep 78

T4 toxicosis. Thompson P Jr, et al. **South Med J** 71(12):1578–9, Dec 78

[Autoradiographic investigations on the behaviour of connective tissue metabolism during aging and hormonal disorders (author's transl)] Kranz D. **Aktuel Gerontol** 8(11):595–600, Nov 78 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Hyperthyroidism and hypothyroidism] Hamada N, et al. **Nippon Rinsho** 36(10):3392–7, Oct 78 **(Jpn)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Glucagon secretion in several endocrine diseases] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 24(6):35–9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Study of various enzymes of carbohydrate-phosphorus metabolism in young patients with thyrotoxicosis] Zhurova MV, et al. **Ter Arkh** 50(11):67–72, 1978 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Hyperthyroidism in the African black: 87 personal cases observed at Dakar] Sankalé M, et al. **Afr J Med Med Sci** 7(2):71–8, Jun 78 **(Fre)**

[Hyperthyroidism in black Africans (apropos of 87 personal cases observed in Senegal)] Sankalé M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):223–32, 1978 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] Check W. **JAMA** 240(24):2618, 8 Dec 78

PHYSIOPATHOLOGY

The effect of hyperthyroidism on gastric emptying rates and pancreatic exocrine and biliary secretion in man. Wiley ZD, et al. **Am J Dig Dis** 23(11):1003–8, Nov 78

Stimulation of cardiac myosin adenosine triphosphatase in thyrotoxicosis. Morkin E. **Circ Res** 44(1):1–7, Jan 79 (50 ref.)

Effects of thyroid state on brain stem responses to iontophoretic noradrenaline. Gonzáles-Vegas JA, et al. **Experientia** 34(11):1527–8, 15 Nov 78

Central alpha-adrenoceptors and affective symptoms and disorders. pp. 245–54. Svensson TH. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

[Role of thyroid hormones in regulating erythropoiesis] Zlateva S. **Vutr Boles** 17(5):20–5, 1978 **(Bul)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

[Relevance of arterial sound timing in thyroid dysfunction (author's transl)] Lüderitz B, et al. **Med Klin** 73(47):1657–63, 24 Nov 78 (Eng. Abstr.) **(Ger)**

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

[Adaptation of white rats to cold during experimental hyper- and hypothyroidism] Rusin VIa, et al. **Fiziol Zh SSSR** 64(10):1463–7, Oct 78 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Waiting for goiter prophylaxis (interview)] Scriba P. **MMW** 120(47):1549–50, 24 Nov 78 **(Ger)**

RADIOTHERAPY

Thyroid storm following radioiodine for thyrotoxicosis. Hayek A. **J Pediatr** 93(6):978–80, Dec 78

Laryngeal malignancy following iodine-125 therapy for thyrotoxicosis. McKillop JH, et al. **Lancet** 2(8101):1177–9, 2 Dec 78

[The treatment of hyperthyroidism using iodine 131 (author's transl)] Baulieu JL, et al. **Chirurgie** 104(4):702–6, Jun 78 (Eng. Abstr.) **(Fre)**

[Therapy with iodine 131] Baulieu JL. **Soins** 23(23):53–4, 5 Dec 78 **(Fre)**

[Hypoparathyroidism with edema of the optic nerve papilla developed after treatment of thyrotoxicosis with radioactive iodine] Zefirova GS, et al. **Ter Arkh** 50(11):66–7, 1978 (Eng. Abstr.) **(Rus)**

SURGERY

Indications for thyroid surgery. Brooks JR. **Compr Ther** 4(9):51–7, Sep 78

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957–66, Oct 78

Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Reyes HM, et al. **Surg Gynecol Obstet** 148(1):76–8, Jan 79

[Surgical treatment of hyperthyroidism. Introduction] Blondeau P. **Chirurgie** 104(4):707–8, Jun 78 **(Fre)**

[The surgical treatment of toxic nodular goitres (author's transl)] Garnier H, et al. **Chirurgie** 104(4):727–31, Jun 78 (Eng. Abstr.) **(Fre)**

[Results of the surgical treatment of hyperthyroidism 194 cases followed from 1 to 7 years (author's transl)] Melliere D, et al. **Chirurgie** 104(4):720–6, Jun 78 (Eng. Abstr.) **(Fre)**

[Cancer of the thyroid associated with hyperthyroidism: report of 4 new cases and review of the literature] Jiménez-Alonso J, et al. **Rev Clin Esp** 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**

THERAPY

Lid retraction--its diagnosis and treatment. Buffam FV, et al. **Int Ophthalmol Clin** 18(3):75–86, Fall 78 (30 ref.)

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

[Hyperthyroidism in the African black: 87 personal cases observed at Dakar] Sankalé M, et al. **Afr J Med Med Sci** 7(2):71–8, Jun 78 **(Fre)**

[Hyperthyroidism in black Africans (apropos of 87 personal cases observed in Senegal)] Sankalé M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):223–32, 1978 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism] Krivitsky A. **Soins** 23(23):9–15, 5 Dec 78 **(Fre)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

URINE

Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Faber J, et al. **Clin Endocrinol (Oxf)** 9(3):279–82, Sep 78

HYPOTHYROIDISM

Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] Check W. **JAMA** 240(24):2618, 8 Dec 78

[Hypothyroidism] Schnurmann D. **Soins** 23(23):23–6, 28, 5 Dec 78 **(Fre)**

[Hyperthyroidism and hypothyroidism] Hamada N, et al. **Nippon Rinsho** 36(10):3392–7, Oct 78 **(Jpn)**

BLOOD

The effect of lithium on the peripheral turnover of thyroxine and triiodothyronine. Kvetny J. **Acta Endocrinol (Copenh)** 89(4):687–92, Dec 78

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Radioimmunoassay of thyroxine in dried blood spots. Sadler WA, et al. **Aust Paediatr J** 14(3):154–62, Sep 78

Thyroid disease and pregnancy [letter] **Br Med J** 2(6150):1496, 25 Nov 78

L--3',5'--diiodothyronine in human serum [letter] Kirkegaard C, et al. **Lancet** 2(8102):1255, 9 Dec 78

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

Serum alpha-1 antitrypsin levels in thyroid disease. Mitani H, et al. **Tokushima J Exp Med** 25(1–2):43–6, Jul 78

[Changes of serum 3,3',5'-L-triiodothyronine (reversed T3) in patients with thyrotoxicosis and hypothyreosis] Nedvidková J, et al. **Vnitr Lek** 24(12):1170–5, Dec 78 (Eng. Abstr.) **(Cze)**

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

The effect of lithium on the peripheral turnover of thyroxine and triiodothyronine. Kvetny J. **Acta Endocrinol (Copenh)** 89(4):687–92, Dec 78

The effect of lithium treatment on thyroid function in patients with primary affective disorder. Cho JT, et al. **Am J Psychiatry** 136(1):115–6, Jan 79

Transient neonatal hypothyroidism [letter] Chabrolle JP, et al. **Pediatrics** 62(5):857, Nov 78

[Development of follicular and parafollicular adenomas in the thyroid of rats treated with thiamazole (author's transl)] Stoll R, et al. **Ann Endocrinol (Paris)** 39(3):179–89, 1978 (Eng. Abstr.) **(Fre)**

[Iodine-induced hypothyroidism and hyperthyroidism] Baulieu JL. **Soins** 23(23):29–30, 5 Dec 78 **(Fre)**

[Thyroid diseases in rheumatoid arthritis] Genth E, et al. **Med Welt** 29(45):1746–53, 10 Nov 78 **(Ger)**

COMPLICATIONS

Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Starr P. **Adv Lipid Res** 16:345–71, 1978 (47 ref.)

Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Jackson IM, et al. **Ann Neurol** 3(5):458–61, May 78

Thyrotoxic Graves's disease after primary hypothyroidism [letter] Coakley AJ, et al. **Br Med J** 2(6150):1500, 25 Nov 78

Thyrotoxic Graves's disease after primary hypothyroidism [letter] Stott RB, et al. **Br Med J** 2(6143):1023, 7 Oct 78

Hypothyroidism with true myotonia. Venables GS, et al. **J Neurol Neurosurg Psychiatry** 41(11):1013–5, Nov 78

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

Oral ulceration associated with hypothyroidism. Report of a case. Brown AE, et al. **Oral Surg** 46(2):216–9, Aug 78

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

Growth and endocrine function in children with cystinosis following renal transplantation. Malekzadeh MH, et al. **Trans Am Soc Artif Intern Organs** 24:278–81, 1978

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

[Neuromuscular manifestations of hypothyroidism] Buge A, et al. **Rev Prat** 28(43):3323–4, 3327–30, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Psychiatric and neurologic disturbances in thyroid disorders (author's transl)] Hepp KD. **Wien Klin Wochenschr [Suppl]** 90(94):14–6, 1978 (Eng. Abstr.) **(Ger)**

[Clinical studies of anemia associated with primary hypothyroidism--case reports and consideration on pathogenetic mechanism (author's transl)] Ariyoshi K, et al. **Rinsho Ketsueki** 19(8):1075–8, Aug 78 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Neonatal screening for hypothyroidism--a review experience with thyrotropin estimation in the newborn. Desai M, et al. **Indian Pediatr** 15(6):463–7, Jun 78

Genetic screening of the newborn in Australia [letter] Pitt D, et al. **Med J Aust** 2(4):155–7, 12 Aug 78

Early detection of thyroid dyshormonogenesis in a breast-fed infant using a filter paper screening method. Sack J, et al. **Monogr Hum Genet** 10:185–7, 1978

[An alarming electroencephalogram] Kamphuisen HA. **Ned Tijdschr Geneeskd** 122(51):2001–5, 23 Dec 78 **(Dut)**

[Radiology in hypothyroidism in children] Capdeville R, et al. **J Radiol Electrol Med Nucl** 59(6–7):432, Jun–Jul 78 **(Fre)**

[Thyroxine: normal levels from birth to 70 days. Value for the detection of congenital hypothyroidism (letter)] Touzery C, et al. **Nouv Presse Med** 7(33):2965, 30 Sep 78 **(Fre)**

[Systematic screening for congenital hypothyroidism by determination of TSH in dried blood samples: results of experience during a 21-month period] David M, et al. **Pediatrie** 33(8):787–93, Dec 78 (Eng. Abstr.) **(Fre)**

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Screening for congenital hypothyroidism: why not a rational use of laboratory resources? (editorial)] Jacobsson K, et al. **Lakartidningen** 75(46):4235–6, 15 Nov 78 **(Swe)**

[Screening for congenital hypothyroidism: realistic proposal for an organization] Larsson A. **Lakartidningen** 75(47):4340–1, 22 Nov 78 **(Swe)**

DIAGNOSIS

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Radioimmunoassay of thyroxine in dried blood spots. Sadler WA, et al. **Aust Paediatr J** 14(3):154–62, Sep 78

Thyroglobulin concentration in neonatal blood: a possible test for neonatal hypothyroidism. Osotimehin B, et al. **Br Med J** 2(6150):1467–8, 25 Nov 78

How often should patients be reviewed after treatment with iodine–131 for thyrotoxicosis? Toft AD, et al. **Br Med J** 2(6145):1115–7, 21 Oct 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

Early detection of thyroid dyshormonogenesis in a breast–fed infant using a filter paper screening method. Sack J, et al. **Monogr Hum Genet** 10:185–7, 1978

Euthyroid sick syndrome [letter] Rubenfeld S. **N Engl J Med** 299(25):1414, 21 Dec 78

Oral ulceration associated with hypothyroidism. Report of a case. Brown AE, et al. **Oral Surg** 46(2):216–9, Aug 78

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

[An alarming electroencephalogram] Kamphuisen HA. **Ned Tijdschr Geneeskd** 122(51):2001–5, 23 Dec 78 **(Dut)**

[Thyroxine: normal levels from birth to 70 days. Value for the detection of congenital hypothyroidism (letter)] Touzery C, et al. **Nouv Presse Med** 7(33):2965, 30 Sep 78 **(Fre)**

[Systematic screening for congenital hypothyroidism by determination of TSH in dried blood samples: results of experience during a 21–month period] David M, et al. **Pediatrie** 33(8):787–93, Dec 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism. Introduction] Bricaire H. **Rev Prat** 28(43):3245–7, 1 Oct 78 **(Fre)**

[Paraclinical studies in hypothyroidism] Fournier M, et al. **Rev Prat** 28(43):3301–4, 3307–9, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Hypothyroidism] Schnurmann D. **Soins** 23(23):23–6, 28, 5 Dec 78 **(Fre)**

[Hoffmann's syndrome] Wasilewska J, et al. **Pol Tyg Lek** 33(46):1795–6, 13 Nov 78 **(Pol)**

[Mitral prolapse syndrome and hypothyroidism (author's transl)] Ardura J, et al. **An Esp Pediatr** 11(11):789–64, Nov 78 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Correction of the biochemical effects of neonatal hypothyroidism by daily low doses of thyroxine. Comparative effects of hyperthyroidism and these corrections. Dainat J, et al. **Acta Neurol Scand** 58(3):167–77, Sep 78

Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Starr P. **Adv Lipid Res** 16:345–71, 1978 (47 ref.)

The effect of lithium treatment on thyroid function in patients with primary affective disorder. Cho JT, et al. **Am J Psychiatry** 136(1):115–6, Jan 79

Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Jackson IM, et al. **Ann Neurol** 3(5):458–61, May 78

Thyroid extract [letter] Fowler PB. **Br Med J** 2(6144):1089, 14 Oct 78

Hypothyroidism with true myotonia. Venables GS, et al. **J Neurol Neurosurg Psychiatry** 41(11):1013–5, Nov 78

Early detection of thyroid dyshormonogenesis in a breast–fed infant using a filter paper screening method. Sack J, et al. **Monogr Hum Genet** 10:185–7, 1978

[Therapeutic problems in adult hypothyroidism] Wolf LM, et al. **Rev Prat** 28(43):3343–4, 3347–8, 3351–3, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Autoimmune polyendocrinopathy with IGA deficiency] Schwarz U, et al. **Schweiz Med Wochenschr** 108(48):1912–3, 2 Dec 78 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Hormonal activation of glycogen phosphorylase in hepatocytes from hypothyroid rats. Malbon CC, et al. **J Biol Chem** 253(24):8820–5, 25 Dec 78

ETIOLOGY

Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Jackson IM, et al. **Ann Neurol** 3(5):458–61, May 78

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

[The treatment of hyperthyroidism using iodine 131 (author's transl)] Baulieu JL, et al. **Chirurgie** 104(4):702–6, Jun 78 (Eng. Abstr.) **(Fre)**

[Surgery of Basedow's disease] Blondeau P. **Chirurgie** 104(4):709–19, Jun 78 **(Fre)**

[Radiology in hypothyroidism in children] Capdeville R, et al. **J Radiol Electrol Med Nucl** 59(6–7):432, Jun–Jul 78 **(Fre)**

[Hypothyroidism. Introduction] Bricaire H. **Rev Prat** 28(43):3245–7, 1 Oct 78 **(Fre)**

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**

[Hyperthyroidism and hypothyroidism] Hamada N, et al. **Nippon Rinsho** 36(10):3392–7, Oct 78 **(Jpn)**

FAMILIAL & GENETIC

[Mitral prolapse syndrome and hypothyroidism (author's transl)] Ardura J, et al. **An Esp Pediatr** 11(11):789–64, Nov 78 (Eng. Abstr.) **(Spa)**

METABOLISM

The preferential role of triiodothyronine in the regulation of basal metabolic rate in hyper– and hypothyroidism. Johansen K, et al. **Acta Med Scand** 204(5):357–9, 1978

Correction of the biochemical effects of neonatal hypothyroidism by daily low doses of thyroxine. Comparative effects of hyperthyroidism and these corrections. Dainat J, et al. **Acta Neurol Scand** 58(3):167–77, Sep 78

Evaluation of oxidative phosphorylation in hearts from euthyroid, hypothyroid, and hyperthyroid rats. Nishiki K, et al. **Am J Physiol** 235(5):C212–9, Nov 78

Rate recovery of extrahepatic cholesterol levels after chronic treatment with diazacholestanol. Valle LB, et al. **Arch Farmacol Toxicol** 4(2):265–72, Aug 78

Thyroxine binding and deiodination of thyroxine by human lymphocytes. Kvetny J. **Clin Chim Acta** 89(2):183–90, 16 Oct 78

Increased thyrotrophin secretion induced by sulpiride in man. Massara F, et al. **Clin Endocrinol (Oxf)** 9(5):419–28, Nov 78

L–3', 5'–diiodothyronine in human serum [letter] Ködding R, et al. **Lancet** 2(8098):1049, 11 Nov 78

[Autoradiographic investigations on the behaviour of connective tissue metabolism during aging and hormonal disorders (author's transl)] Kranz D. **Aktuel Gerontol** 8(11):595–600, Nov 78 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Hyperthyroidism and hypothyroidism] Hamada N, et al. **Nippon Rinsho** 36(10):3392–7, Oct 78 **(Jpn)**

[Glucagon secretion in several endocrine diseases] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 24(6):35–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Genetic screening of the newborn in Australia [letter] Pitt D, et al. **Med J Aust** 2(4):155–7, 12 Aug 78

[Hyperthyroidism in the African black: 87 personal cases observed at Dakar] Sankalé M, et al. **Afr J Med Med Sci** 7(2):71–8, Jun 78 **(Fre)**

[Screening for congenital hypothyroidism: why not a rational use of laboratory resources? (editorial)] Jacobsson K, et al. **Lakartidningen** 75(46):4235–6, 15 Nov 78 **(Swe)**

[Screening for congenital hypothyroidism: realistic proposal for an organization] Larsson A. **Lakartidningen** 75(47):4340–1, 22 Nov 78 **(Swe)**

PATHOLOGY

The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Carriere R, et al. **Anat Rec** 192(3):407–21, Nov 78

Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] Check W. **JAMA** 240(24):2618, 8 Dec 78

Histologic interpretation of cutaneous biopsies from dogs with dermatologic disorders. Rojko JL, et al. **Vet Pathol** 15(5):579–89, Sep 78

PHYSIOPATHOLOGY

Effects of thyroid state on brain stem responses to iontophoretic noradrenaline. Gonzáles-Vegas JA, et al. **Experientia** 34(11):1527–8, 15 Nov 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

Catch-up growth. Prader A. **Postgrad Med J** 54 Suppl 1:133–46, 1978

[Role of thyroid hormones in regulating erythropoiesis] Zlateva S. **Vutr Boles** 17(5):20–5, 1978 **(Bul)**

[An alarming electroencephalogram] Kamphuisen HA. **Ned Tijdschr Geneeskd** 122(51):2001–5, 23 Dec 78 **(Dut)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

[Relevance of arterial sound timing in thyroid dysfunction (author's transl)] Lüderitz B, et al. **Med Klin** 73(47):1657–63, 24 Nov 78 (Eng. Abstr.) **(Ger)**

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[Adaptation of white rats to cold during experimental hyper- and hypothyroidism] Rusin VIa, et al. **Fiziol Zh SSSR** 64(10):1463–7, Oct 78 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Neonatal screening for hypothyroidism--a review experience with thyrotropin estimation in the newborn. Desai M, et al. **Indian Pediatr** 15(6):463–7, Jun 78

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

[The treatment of hyperthyroidism using iodine 131 (author's transl)] Baulieu JL, et al. **Chirurgie** 104(4):702–6, Jun 78 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Radiology in hypothyroidism in children] Capdeville R, et al. **J Radiol Electrol Med Nucl** 59(6–7):432, Jun–Jul 78 **(Fre)**

THERAPY

[Hypothyroidism. Introduction] Bricaire H. **Rev Prat** 28(43):3245–7, 1 Oct 78 **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Hypothyroidism] Schnurmann D. **Soins** 23(23):23–6, 28, 5 Dec 78 **(Fre)**

URINE

Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Faber J, et al. **Clin Endocrinol (Oxf)** 9(3):279–82, Sep 78

VETERINARY

Histologic interpretation of cutaneous biopsies from dogs with dermatologic disorders. Rojko JL, et al. **Vet Pathol** 15(5):579–89, Sep 78

MYXEDEMA

BLOOD

Myxoedema and thyrotoxicosis: relations between clinical state and concentrations of thyroxine and triiodothyronine in blood. Johansen K, et al. **Acta Med Scand** 204(5):361–4, 1978

COMPLICATIONS

Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Starr P. **Adv Lipid Res** 16:345–71, 1978 (47 ref.)

Evidence for a primary autoimmune type of diabetes mellitus. Bottazzo GF, et al. **Br Med J** 2(6147):1253–5, 4 Nov 78

Hyponatremia an its management. de Torrenté A, et al. **Contrib Nephrol** 14:142–54, 1978

[Myxedema coma] Bricaire H, et al. **Rev Prat** 28(43):3333–4, 3337–8, 3341, 1 Oct 78 **(Fre)**

[Myxedema heart] Joly J. **Rev Prat** 28(43):3313–8, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the adult : clinical aspects and development] Linquette M, et al. **Rev Prat** 28(43):3269–72, 3277–8, 3281–2, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

DIAGNOSIS

Primary myxedema heart disease. Thomas J, et al. **J Natl Med Assoc** 70(11):833–6, Nov 78

[Pseudoelephantiasis form of pretibial myxedema in a Senegalese] Strobel M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):219–22, 1978 (Eng. Abstr.) **(Fre)**

[Myxedema coma] Bricaire H, et al. **Rev Prat** 28(43):3333–4, 3337–8, 3341, 1 Oct 78 **(Fre)**

[Hypothyroidism in the adult : clinical aspects and development] Linquette M, et al. **Rev Prat** 28(43):3269–72, 3277–8, 3281–2, 1 Oct 78 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Primary myxedema heart disease. Thomas J, et al. **J Natl Med Assoc** 70(11):833–6, Nov 78

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277–8, 16 Dec 78

ETIOLOGY

Thyroid disease and pregnancy [letter] Cooke RT. **Br Med J** 2(6148):1370, 11 Nov 78

METABOLISM

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277–8, 16 Dec 78

MORTALITY

Personal factors in death under 50 [editorial] **NZ Med J** 88(625):447, 13 Dec 78

OCCURRENCE

[Pseudoelephantiasis form of pretibial myxedema in a Senegalese] Strobel M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):219–22, 1978 (Eng. Abstr.) **(Fre)**

THERAPY

[Pseudoelephantiasis form of pretibial myxedema in a Senegalese] Strobel M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):219–22, 1978 (Eng. Abstr.) **(Fre)**

[Myxedema heart] Joly J. **Rev Prat** 28(43):3313–8, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Treatment of myxoedema heart using implantable cardiac pacemaker (author's transl)] Ikeda K, et al. **Kyobu Geka** 31(12):946–8, Dec 78 (Eng. Abstr.) **(Jpn)**

THYROID CRISIS

Coma secondary to apathetic thyrotoxicosis. Serri O, et al. **Can Med Assoc J** 119(6):605–7, 23 Sep 78

BLOOD

Normal serum T3 after abdominal operation in severe hyperthyroidism [letter] Topliss DJ, et al. **N Engl J Med** 300(2):92–3, 11 Jan 79

DRUG THERAPY

Coma secondary to apathetic thyrotoxicosis. Serri O, et al. **Can Med Assoc J** 119(6):605–7, 23 Sep 78

ETIOLOGY

Thyroid crisis and tracheal compression in patient with retrosternal goitre. Owen WJ, et al. **Br Med J** 2(6143):997–8, 7 Oct 78

Thyroid storm following radioiodine for thyrotoxicosis.

Hayek A. **J Pediatr** 93(6):978–80, Dec 78

METABOLISM

Thyroid storm following radioiodine for thyrotoxicosis. Hayek A. **J Pediatr** 93(6):978–80, Dec 78

PHYSIOPATHOLOGY

Coma secondary to apathetic thyrotoxicosis. Serri O, et al. **Can Med Assoc J** 119(6):605–7, 23 Sep 78

THYROID DISEASES

[The thyroid gland. Foreword] Krivitzky A. **Soins** 23(23):3–4, 5 Dec 78 **(Fre)**

BLOOD

Experience of radioimmunoassay of thyroid hormones in a developing country. Abiodun MO, et al. **East Afr Med J** 55(9):407–13, Sep 78

[Incidence of abnormal serum concentrations of thyroid hormones and reverse T3 in patients without thyroid disease] Weeke J, et al. **Ugeskr Laeger** 140(47):2912–4, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Preliminary results of a new radioimmunoassay for thyroxine binding globulin (T.B.G.) (author's transl)] Bisset JP, et al. **Nouv Presse Med** 7(32):2841–4, 23 Sep 78 (Eng. Abstr.) **(Fre)**

[Thyroid function test by GammaCoat T3 uptake kit (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(9):533–5, Sep 78 **(Jpn)**

CHEMICALLY INDUCED

Thyroid capsule changes during the development of thyroid hyperplasia in the rat. Wollman SH, et al. **Am J Pathol** 93(3):639–54, Dec 78

COMPLICATIONS

Ultrasound demonstration of a thyroid carcinoma within a benign cyst. Allen FH, et al. **AJR** 132(1):136–7, Jan 79

Evidence for a primary autoimmune type of diabetes mellitus. Bottazzo GF, et al. **Br Med J** 2(6147):1253–5, 4 Nov 78

Autoimmune thyroid disease and the polymyalgia rheumatica–giant cell arteritis syndrome. Dent RG, et al. **Clin Endocrinol (Oxf)** 9(3):215–9, Sep 78

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

Metabolic and endocrine alterations in end-stage renal failure. Klein KL, et al. **Postgrad Med** 64(5):99–108, Nov 78

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

[EEG in metabolic and hormonal encephalopathies (author's transl)] Deisenhammer E. **Wien Klin Wochenschr [Suppl]** 90(94):12–4, 1978 (Eng. Abstr.) **(Ger)**

[Nursing of patients with thyroid diseases and associated psychiatric symptoms] Kodama M, et al. **Kango Gijutsu** 24(12):35–41, Sep 78 **(Jpn)**

DIAGNOSIS

Ultrasound demonstration of a thyroid carcinoma within a benign cyst. Allen FH, et al. **AJR** 132(1):136–7, Jan 79

The role of ultrasound scanning in the diagnosis of thyroid swellings. Lees WR, et al. **Br J Surg** 65(10):681–4, Oct 78

Estimation of free triiodothyronine in serum: a new method and its clinical relevance. Siegel L, et al. **Clin Chem** 24(11):1891–4, Nov 78

Thyroid and obesity: survey of some function tests in a large obese population. Strata A, et al. **Int J Obes** 2(3):333–40, 1978

Thyroid function and laboratory tests [letter] Decaux G, et al. **Lancet** 2(8100):1153, 25 Nov 78

Metabolic and endocrine alterations in end-stage renal failure. Klein KL, et al. **Postgrad Med** 64(5):99–108, Nov 78

[The use of thyreoliberin VUFB in a peroral TRH test in thyroid gland function disorders (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(38–39):1187–90, 29 Sep 78 (Eng. Abstr.) **(Cze)**

[Application of thermography to thyroid exploration] Besson P, et al. **Lille Med** 23(7):499–501, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Ability to diagnose a thyroid dysfunction (editorial)] Kurz C. **Soins** 23(23):2, 5 Dec 78 **(Fre)**

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373–86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

[Serum thyroid hormone concentration as an indicator of the thyroid gland function] Jeske W, et al. **Endokrynol Pol** 29(6):501–9, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Serum dopamine-beta-hydroxylase activity in endocrine disease and hypertension (author's transl)] Hara I. **Nippon Naibunpi Gakkai Zasshi** 54(11):1207–21, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8, Dec 78

[Thyroid diseases in rheumatoid arthritis] Genth E, et al. **Med Welt** 29(45):1746–53, 10 Nov 78 **(Ger)**

HISTORY

David Marine (1880–1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565–89, Summer 78

IMMUNOLOGY

Activation of rheumatoid factor during pregnancy [letter] Amino N, et al. **Lancet** 2(8103):1307, 16 Dec 78

[A new method for making thyroglobulin sensitized cell using diamino-diphenyl-sulfone (DDS) (author's transl)] Kato R, et al. **Rinsho Byori** 26(7):619–22, Jul 78 **(Jpn)**

METABOLISM

[Therapeutics in 1978] Dry J, et al. **Rev Prat** 28(41):3077–8, 3081–4, 3087–90, 21 Sep 78 (36 ref.) **(Fre)**

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

[Glucagon secretion in several endocrine diseases] Slavnov VN, et al. **Probl Endokrinol (Mosk)** 24(6):35–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cervicofacial Actinomyces viscosus infection. Larsen J, et al. **J Pediatr** 93(5):797–801, Nov 78

NURSING

[Nursing of patients with thyroid diseases and associated psychiatric symptoms] Kodama M, et al. **Kango Gijutsu** 24(12):35–41, Sep 78 **(Jpn)**

OCCURRENCE

[Thyroid diseases in the Cracow region in the years 1967–1973] Szybiński Z, et al. **Folia Med Cracov** 20(2):191–200, 1978 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Thyroid capsule changes during the development of thyroid hyperplasia in the rat. Wollman SH, et al. **Am J Pathol** 93(3):639–54, Dec 78

Hormonal and nutritional effects on the development of glia. pp. 247–56. Clos J.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.

Cervicofacial Actinomyces viscosus infection. Larsen J, et al. **J Pediatr** 93(5):797–801, Nov 78

A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8,

Dec 78

PHYSIOPATHOLOGY

Thyroid disease and pregnancy [editorial] **Br Med J** 2(6143):977–8, 7 Oct 78

[Relevance of arterial sound timing in thyroid dysfunction (author's transl)] Lüderitz B, et al. **Med Klin** 73(47):1657–63, 24 Nov 78 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Screening of the thyroid function of newborns in Southern Belgium. Bouckaert A, et al. **Int J Epidemiol** 7(3):249, Sep 78

PSYCHOLOGY

[Psychiatric and neurologic disturbances in thyroid disorders (author's transl)] Hepp KD. **Wien Klin Wochenschr [Suppl]** 90(94):14–6, 1978 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Fluorescent thyroid imaging: clinical evaluation of an alternative instrument. Johnson PM, et al. **Radiology** 130(1):219–22, Jan 79

Thyroid scintigraphy: pinhole images versus rectilinear scans. Sostre S, et al. **Radiology** 129(3):759–62, Dec 78

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of thyroid diseases using Na131I, 99mTcO4– and 201TlCl scintigraphy (author's transl)] Kumano M, et al. **Kaku Igaku** 15(5):713–20, Aug 78 (Eng. Abstr.) **(Jpn)**

SURGERY

Incidental parathyroidectomy during thyroid surgery. Croyle PH, et al. **Am Surg** 44(9):559–63, Sep 78

A method of aspirating thyroid cysts. Burch WM Jr. **Surg Gynecol Obstet** 148(1):95–6, Jan 79

A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8, Dec 78

[Thyroidectomy] Champault G, et al. **Soins** 23(23):39–44, 5 Dec 78 **(Fre)**

THERAPY

Thyroid disease and pregnancy [editorial] **Br Med J** 2(6143):977–8, 7 Oct 78

THYROID GLAND

ABNORMALITIES

Incomplete descent of the thyroid. White IL, et al. **Ear Nose Throat J** 57(12):528–32, Dec 78

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

[Radiology in hypothyroidism in children] Capdeville R, et al. **J Radiol Electrol Med Nucl** 59(6–7):432, Jun–Jul 78 **(Fre)**

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[Case of an aberrant thyroid gland in the peripharyngeal space] Shvartsman AIa, et al. **Vestn Otorinolaringol** (6):66–7, Nov–Dec 78 **(Rus)**

THYROID NEOPLASMS

[Problems in thyroid cancer from the otolaryngological viewpoint] Zelenka J, et al. **Cesk Otolaryngol** 27(4):198–201, Aug 78 (Eng. Abstr.) **(Cze)**

[Cold nodules and thyroid cancer] Champault G. **Soins** 23(23):31–3, 5 Dec 78 **(Fre)**

[Metastasis of papillary carcinoma of the thyroid gland into the pharynx] Kuśnierczyk W, et al. **Otolaryngol Pol** 32(5):551–4, 1978 **(Pol)**

BLOOD

The detection of elevated plasma levels of carcinoembryonic antigen in patients with suspected or established medullary thyroid carcinoma. Wells SA Jr, et al. **Cancer** 42(3 Suppl):1498–503, Sep 78

Magnesium and phosphate in the serum of patients with medullary carcinoma of the thyroid. Rasmusson B. **Clin Chim Acta** 89(2):279–83, 16 Oct 78

Analysis of pentagastrin and calcium as thyrocalcitonin secretagogues in the early diagnosis of medullary carcinoma of the thyroid gland. Linehan WM, et al. **Surg Forum** 28:110–2, 1977

Thyroglobulin and thyroid cancer. Lo Gerfo P, et al. **Surg Forum** 28:133–5, 1977

CHEMICALLY INDUCED

[Development of follicular and parafollicular adenomas in the thyroid of rats treated with thiamazole (author's transl)] Stoll R, et al. **Ann Endocrinol (Paris)** 39(3):179–89, 1978 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Prostaglandins and serotonin in diarrheogenic syndromes. Jaffe BM. **Adv Exp Med Biol** 106:285–95, 1978

Ultrasound demonstration of a thyroid carcinoma within a benign cyst. Allen FH, et al. **AJR** 132(1):136–7, Jan 79

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

[Simultaneous occurrence of hyperthyreosis and thyroid carcinoma] Balázs G, et al. **Chirurg** 49(11):699–703, Nov 78 (Eng. Abstr.) **(Ger)**

[Primary aldosteronism associated with a primary double cancer of the thyroid and rectum: a case study (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1058–69, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Ultrasound demonstration of a thyroid carcinoma within a benign cyst. Allen FH, et al. **AJR** 132(1):136–7, Jan 79

Clinical implications of the rare thyroid carcinoma which is indistinguishable from a follicular adenoma. Blum M, et al. **Am J Med Sci** 276(1):99–104, Jul–Aug 78

The role of ultrasound scanning in the diagnosis of thyroid swellings. Lees WR, et al. **Br J Surg** 65(10):681–4, Oct 78

Indications for thyroid surgery. Brooks JR. **Compr Ther** 4(9):51–7, Sep 78

A needle biopsy would be quickest. MacIntosh PK, et al. **Med J Aust** 2(5):216–7, 26 Aug 78

Analysis of pentagastrin and calcium as thyrocalcitonin secretagogues in the early diagnosis of medullary carcinoma of the thyroid gland. Linehan WM, et al. **Surg Forum** 28:110–2, 1977

Thyroglobulin and thyroid cancer. Lo Gerfo P, et al. **Surg Forum** 28:133–5, 1977

[Clinic cytology in diagnostics of thyroid gland cancer (author's transl)] Smejkal V, et al. **Cas Lek Cesk** 117(35):1077–82, 1 Sep 78 (Eng. Abstr.) **(Cze)**

[Problems in thyroid cancer from the otolaryngological viewpoint] Zelenka J, et al. **Cesk Otolaryngol** 27(4):198–201, Aug 78 (Eng. Abstr.) **(Cze)**

[Application of thermography to thyroid exploration] Besson P, et al. **Lille Med** 23(7):499–501, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[Cold nodules and thyroid cancer] Champault G. **Soins** 23(23):31–3, 5 Dec 78 **(Fre)**

[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**

[Clinico–diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**

[5 cases of nodular goiter] Kashio N, et al. **Horumon To Rinsho** 26(11):1219–22, Nov 78 **(Jpn)**

[Metastasis of papillary carcinoma of the thyroid gland into the pharynx] Kuśnierczyk W, et al. **Otolaryngol Pol** 32(5):551–4, 1978 **(Pol)**

DRUG THERAPY

Human reaction to bovine TSH [letter] Hamburger JI. **J Nucl Med** 19(10):1183, Oct 78

ENZYMOLOGY

[Our experience in the application of various enzymes to O.R.L. and thyroid cancer] Iglesias J, et al. **An Otorrinolaringol Ibero Am** 5(3):365–76, 1978 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Thyroid carcinoma induced by irradiation for Hodgkin's disease. Report of a case. Weshler Z, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):383–6, 1978

Natural history of radiation-associated thyroid cancer. Roudebush CP, et al. **Arch Intern Med** 138(11):1631–4, Nov 78

Thyroid gland formation from inocula of monodispersed cells: early results on quantitation, function, neoplasia and radiation effects. Clifton KH, et al. **Int J Radiat Oncol Biol Phys** 4(11–12):987–90, Nov–Dec 78

Screening for radiation-associated thyroid and salivary gland cancer. Doss LL, et al. **Mo Med** 75(12):610–2, Dec 78

A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8, Dec 78

Radiation-induced carcinoma of the thyroid with severe thyrotoxicosis. Citrin DL, et al. **Wis Med J** 77(10):S97–9, Oct 78

[Radiation-induced thyroid carcinoma following treatment for fetal medulloblastoma (author's transl)] Borejko J, et al. **Pol Przegl Radiol** 42(3):231–5, May–Jun 78 (Eng. Abstr.) **(Pol)**

[Cancer of the thyroid associated with hyperthyroidism: report of 4 new cases and review of the literature] Jiménez-Alonso J, et al. **Rev Clin Esp** 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Tsuzaki K, et al. **Acta Cytol (Baltimore)** 22(5):321–6, Sep–Oct 78

Familial polyposis and Gardner's syndrome. Schuchardt WA Jr, et al. **Surg Gynecol Obstet** 148(1):97–103, Jan 79 (78 ref.)

HISTORY

David Marine (1880–1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565–89, Summer 78

METABOLISM

Thyroid-stimulating hormone binding sites in benign and malignant thyroid tumors in man. Clark OH, et al. **Surg Forum** 28:135–7, 1977

[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723–5, 1978 **(Rus)**

MORTALITY

[Thyroid gland metastases: presentation of 2 cases] Froidevaux A, et al. **Helv Chir Acta** 44(1–2):175–85, Mar 77 (Eng. Abstr.) **(Fre)**

OCCURRENCE

[The 'cold' nodule in the thyroid scintigram--an indication for surgery?] Schauer K. **Zentralbl Chir** 103(19):1282–5, 1978 **(Ger)**

[A statistical survey of autopsy cases of malignant goiter (author's transl)] Endo T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1007–15, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Thyroid diseases in the Cracow region in the years 1967–1973] Szybiński Z, et al. **Folia Med Cracov** 20(2):191–200, 1978 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Tsuzaki K, et al. **Acta Cytol (Baltimore)** 22(5):321–6, Sep–Oct 78

Observer variation in histologic classification of thyroid cancer. Saxén E, et al. **Acta Pathol Microbiol Scand [A]** 86A(6):483–6, Nov 78

Thyroid carcinoma induced by irradiation for Hodgkin's disease. Report of a case. Weshler Z, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):383–6, 1978

Clinical implications of the rare thyroid carcinoma which is indistinguishable from a follicular adenoma. Blum M, et al. **Am J Med Sci** 276(1):99–104, Jul–Aug 78

Natural history of radiation-associated thyroid cancer. Roudebush CP, et al. **Arch Intern Med** 138(11):1631–4, Nov 78

A needle biopsy would be quickest. MacIntosh PK, et al. **Med J Aust** 2(5):216–7, 26 Aug 78

Distribution of nodules in thyroid lobes. Vakili C, et al. **Pahlavi Med J** 9(3):289–95, Jul 78

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8, Dec 78

Canine medullary carcinoma of the thyroid. Patnaik AK, et al. **Vet Pathol** 15(5):590–9, Sep 78

Prolonged growth arrest of pulmonary metastases in papillary thyroid carcinoma. Kressel HY, et al. **West J Med** 129(5):424–9, Nov 78

[Clinic cytology in diagnostics of thyroid gland cancer (author's transl)] Smejkal V, et al. **Cas Lek Cesk** 117(35):1077–82, 1 Sep 78 (Eng. Abstr.) **(Cze)**

[Primary lymph node metastasis of a medullary carcinoma associated with a papillary carcinoma of the thyroid gland (proceedings) (author's transl)] Justrabo E, et al. **Ann Endocrinol (Paris)** 39(3):253–4, 1978 (Eng. Abstr.) **(Fre)**

[Development of follicular and parafollicular adenomas in the thyroid of rats treated with thiamazole (author's transl)] Stoll R, et al. **Ann Endocrinol (Paris)** 39(3):179–89, 1978 (Eng. Abstr.) **(Fre)**

[Cold nodules and thyroid cancer] Champault G. **Soins** 23(23):31–3, 5 Dec 78 **(Fre)**

[Simultaneous occurrence of hyperthyreosis and thyroid carcinoma] Balázs G, et al. **Chirurg** 49(11):699–703, Nov 78 (Eng. Abstr.) **(Ger)**

[Osteosarcoma of the thyroid gland (author's transl)] Krisch K, et al. **Zentralbl Allg Pathol** 122(5):475–9, 1978 (Eng. Abstr.) **(Ger)**

[A statistical survey of autopsy cases of malignant goiter (author's transl)] Endo T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1007–15, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Primary aldosteronism associated with a primary double cancer of the thyroid and rectum: a case study (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1058–69, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Histogenesis and pathoanatomical diagnosis of human tumors in the light of electron microscopic data] Kraevskiĭ NA. **Arkh Patol** 40(8):3–10, 1978 (Eng. Abstr.) **(Rus)**

[Surgical tactics in nodular lesions of the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** (11):123–7, Nov 78 (Eng. Abstr.) **(Rus)**

[Cancer of the thyroid associated with hyperthyroidism: report of 4 new cases and review of the literature] Jiménez-Alonso J, et al. **Rev Clin Esp** 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Screening for radiation-associated thyroid and salivary gland cancer. Doss LL, et al. **Mo Med** 75(12):610–2, Dec 78

RADIOGRAPHY

[Clinical studies on metastatic patterns of carcinoma of the thyroid (author's transl)] Kasai N, et al. **Nippon Gan Chiryo Gakkai Shi** 13(5):537–45, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Value of intrathyroid lymphography in the diagnosis of various inflammatory thyroid diseases] Bielicki F, et al. **Wiad Lek** 31(18):1261–4, 15 Sep 78 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Fluorescent thyroid imaging: clinical evaluation of an alternative instrument. Johnson PM, et al. **Radiology** 130(1):219–22, Jan 79

[The 'cold' nodule in the thyroid scintigram--an indication for surgery?] Schauer K. **Zentralbl Chir** 103(19):1282–5, 1978 **(Ger)**

RADIOTHERAPY

Fibrosarcoma in the thyroid gland: recurrence treated with radiotherapy. Berthelsen A. **J Laryngol Otol** 92(10):933–6,

Oct 78
[Therapy with iodine 131] Baulieu JL. **Soins** 23(23):53–4, 5 Dec 78 **(Fre)**

SECRETION

Analysis of pentagastrin and calcium as thyrocalcitonin secretagogues in the early diagnosis of medullary carcinoma of the thyroid gland. Linehan WM, et al. **Surg Forum** 28:110–2, 1977

SURGERY

Indications for thyroid surgery. Brooks JR. **Compr Ther** 4(9):51–7, Sep 78
A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest. Wagner DH, et al. **Surg Gynecol Obstet** 147(6):903–8, Dec 78
[Problems in thyroid cancer from the otolaryngological viewpoint] Zelenka J, et al. **Cesk Otolaryngol** 27(4):198–201, Aug 78 (Eng. Abstr.) **(Cze)**
[The surgical treatment of toxic nodular goitres (author's transl)] Garnier H, et al. **Chirurgie** 104(4):727–31, Jun 78 (Eng. Abstr.) **(Fre)**
[Results of the surgical treatment of hyperthyroidism 194 cases followed from 1 to 7 years (author's transl)] Melliere D, et al. **Chirurgie** 104(4):720–6, Jun 78 (Eng. Abstr.) **(Fre)**
[Thyroid gland metastases: presentation of 2 cases] Froidevaux A, et al. **Helv Chir Acta** 44(1–2):175–85, Mar 77 (Eng. Abstr.) **(Fre)**
[Osteosarcoma of the thyroid gland (author's transl)] Krisch K, et al. **Zentralbl Allg Pathol** 122(5):475–9, 1978 (Eng. Abstr.) **(Ger)**
[The 'cold' nodule in the thyroid scintigram--an indication for surgery?] Schauer K. **Zentralbl Chir** 103(19):1282–5, 1978 **(Ger)**
[Surgical tactics in nodular lesions of the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** (11):123–7, Nov 78 (Eng. Abstr.) **(Rus)**
[Cancer of the thyroid associated with hyperthyroidism: report of 4 new cases and review of the literature] Jiménez-Alonso J, et al. **Rev Clin Esp** 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**

THERAPY

[Cold nodules and thyroid cancer] Champault G. **Soins** 23(23):31–3, 5 Dec 78 **(Fre)**

ULTRASTRUCTURE

Ultrastructure of an anaplastic giant-cell carcinoma found 8 years after operation on a papillary carcinoma of the thyroid. Hiasa Y, et al. **Acta Pathol Jpn** 28(4):637–44, Jul 78
Nucleolar abnormalities in human papillary thyroid carcinomas. Sobrinho-Simões MA, et al. **Arch Pathol Lab Med** 102(12):635–8, Dec 78
The fine structure of human thyroid cancer. Johannessen JV, et al. **Hum Pathol** 9(4):385–400, Jul 78
Immunhistochemical and electron microscope analysis of adenomas of the thyroid gland. II. Adenomas with specific cytological differentiation. Böcker W, et al. **Virchows Arch [Pathol Anat]** 380(3):205–20, 14 Nov 78
[Histogenesis and pathoanatomical diagnosis of human tumors in the light of electron microscopic data] Kraevskiĭ NA. **Arkh Patol** 40(8):3–10, 1978 (Eng. Abstr.) **(Rus)**
[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723–5, 1978 **(Rus)**

VETERINARY

Canine medullary carcinoma of the thyroid. Patnaik AK, et al. **Vet Pathol** 15(5):590–9, Sep 78

THYROIDITIS

BLOOD

Radioimmunoassay for partially degraded thyrotropin. Nisula BC, et al. **Endocr Res Commun** 5(2):125–34, 1978

COMPLICATIONS

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**
[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The role of ultrasound scanning in the diagnosis of thyroid swellings. Lees WR, et al. **Br J Surg** 65(10):681–4, Oct 78
Indications for thyroid surgery. Brooks JR. **Compr Ther** 4(9):51–7, Sep 78
[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**
[Clinico-diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Recurrent acute suppurative thyroiditis. Abe K, et al. **Am J Dis Child** 132(10):990–1, Oct 78
The pathology of thyroiditis. Volpé R. **Hum Pathol** 9(4):429–38, Jul 78

PATHOLOGY

The pathology of thyroiditis. Volpé R. **Hum Pathol** 9(4):429–38, Jul 78

RADIOGRAPHY

[Value of intrathyroid lymphography in the diagnosis of various inflammatory thyroid diseases] Bielicki F, et al. **Wiad Lek** 31(18):1261–4, 15 Sep 78 (Eng. Abstr.) **(Pol)**

SURGERY

[Prolohged anesthesia in cervicofacial surgery] Bourgoin A, et al. **Anesth Analg (Paris)** 35(3):511–9, May-Jun 78 **(Fre)**

THERAPY

[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**

THYROIDITIS, LYMPHOMATOUS

COMPLICATIONS

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**
[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Clinico-diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

[Basedow's disease, Hashimoto's disease and HL-A antigens] Kawahara K, et al. **Nippon Rinsho** 36(9):3189–92, 10 Sep 78 **(Jpn)**

IMMUNOLOGY

[In vitro stimulation of peripheral blood lymphocytes with allogeneic lymphocytes (mixed lymphocyte culture, MLC) or phytomitogens in patients with Hashimoto's thyroiditis (author's transl)] Takegami T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1030–42, 20 Sep 78 (Eng. Abstr.)
[Autoimmunity] Dessaint JP. **Lille Med** 23(8):574–82, Oct 78 **(Fre)**
[Clinico-diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**
[A study on subclinical types of autoimmune thyroiditis (Hashimoto's) among autopsy cases (author's transl)] Yoshida H. **Nippon Naibunpi Gakkai Zasshi** 54(11):1249–61, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
[Basedow's disease, Hashimoto's disease and HL-A antigens]

Kawahara K, et al. **Nippon Rinsho** 36(9):3189–92, 10 Sep 78 **(Jpn)**

METABOLISM

[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723–5, 1978 **(Rus)**

PATHOLOGY

The pathology of thyroiditis. Volpé R. **Hum Pathol** 9(4):429–38, Jul 78

[Clinico-diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**

[A study on subclinical types of autoimmune thyroiditis (Hashimoto's) among autopsy cases (author's transl)] Yoshida H. **Nippon Naibunpi Gakkai Zasshi** 54(11):1249–61, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723–5, 1978 **(Rus)**

THYROID

III. *Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs*

DEXTROTHYROXINE

ADMINISTRATION & DOSAGE

Dextrothyroxine treatment of phosphorylase-kinase deficiency glycogenosis in four boys. Garibaldi LR, et al. **Helv Paediatr Acta** 33(4-5):435-41, Nov 78

METABOLISM

Clinical pharmacokinetics of hypolipidaemic drugs. Gugler R. **Clin Pharmacokinet** 3(6):425-39, Nov-Dec 78 (97 ref.)

PHARMACODYNAMICS

The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Carriere R, et al. **Anat Rec** 192(3):407-21, Nov 78

THERAPEUTIC USE

Pain relief for cancer patients. Valentine AS, et al. **Am J Nurs** 78(12):2054-6, Dec 78

Treatment of established atherosclerosis during cholesterol feeding in monkeys. Malinow MR, et al. **Atherosclerosis** 31(2):185-93, Oct 78

Dextrothyroxine treatment of phosphorylase-kinase deficiency glycogenosis in four boys. Garibaldi LR, et al. **Helv Paediatr Acta** 33(4-5):435-41, Nov 78

DIIODOTHYRONINES

ANALYSIS

[A simple method for the simultaneous analysis of r-T3 and 3,3'-T2 by mass fragmentography using GC-MS. (Part I. A comparative study of impurities in commercially available thyroid preparations) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1151-6, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[A simple method for the simultaneous analysis of r-T3 and 3,3'-T2 by mass fragmentography using GC-MS. (Part II. Mass fragmentographic identification of 3,3'-T2 and r-T3 in biological fluids) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1157-62, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

BLOOD

L--3',5'--diiodothyronine in human serum [letter] Kirkegaard C, et al. **Lancet** 2(8102):1255, 9 Dec 78

L-3', 5'-diiodothyronine in human serum [letter] Ködding R, et al. **Lancet** 2(8098):1049, 11 Nov 78

METABOLISM

Conversion of T3 and rT3 to 3,3'-T2: pH dependency. Höffken B, et al. **Clin Chim Acta** 90(1):45-51, 15 Nov 78

STANDARDS

[A simple method for the simultaneous analysis of r-T3 and 3,3'-T2 by mass fragmentography using GC-MS. (Part I. A comparative study of impurities in commercially available thyroid preparations) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1151-6, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

DIIODOTYROSINE

METABOLISM

[Thyroid hormone metabolism and the functional activity of the thyroid gland in mother and fetus] Salakhova NS, et al. **Ontogenez** 9(6):594-600, 1978 (Eng. Abstr.) **(Rus)**

THYROGLOBULIN

Chemical and physical characterization of submolecular proteins of porcine thyroglobulin. Itagaki E, et al. **J Biochem (Tokyo)** 84(3):597-606, Sep 78

ANALYSIS

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765-71, Oct 78

Thyroglobulin and thyroid cancer. Lo Gerfo P, et al. **Surg Forum** 28:133-5, 1977

Immunhistochemical and electron microscope analysis of adenomas of the thyroid gland. II. Adenomas with specific cytological differentiation. Böcker W, et al. **Virchows Arch [Pathol Anat]** 380(3):205-20, 14 Nov 78

BIOSYNTHESIS

[Absence of thyroglobulin synthesizing polyribosomes in thyroid gland cancer cells] Turakulov IaKh, et al. **Dokl Akad Nauk SSSR** 242(3):723-5, 1978 **(Rus)**

BLOOD

Thyroglobulin concentration in neonatal blood: a possible test for neonatal hypothyroidism. Osotimehin B, et al. **Br Med J** 2(6150):1467-8, 25 Nov 78

Thyroglobulin of varying molecular sizes with different disappearance rates in plasma following subtotal thyroidectomy. Feldt-Rasmussen U, et al. **Clin Endocrinol (Oxf)** 9(3):205-14, Sep 78

Thyroglobulin and thyroid cancer. Lo Gerfo P, et al. **Surg Forum** 28:133-5, 1977

[Radioimmunological assay in the determination of human thyroglobulin] Kosowicz J, et al. **Endokrynol Pol** 29(6):463-74, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Thyroglobulin of varying molecular sizes with different disappearance rates in plasma following subtotal thyroidectomy. Feldt-Rasmussen U, et al. **Clin Endocrinol (Oxf)** 9(3):205-14, Sep 78

Chemical and physical characterization of submolecular proteins of porcine thyroglobulin. Itagaki E, et al. **J Biochem (Tokyo)** 84(3):597-606, Sep 78

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765-71, Oct 78

[A new method for making thyroglobulin sensitized cell using diamino-diphenyl-sulfone (DDS) (author's transl)] Kato R, et al. **Rinsho Byori** 26(7):619-22, Jul 78 **(Jpn)**

ISOLATION & PURIFICATION

[Radioimmunological assay in the determination of human thyroglobulin] Kosowicz J, et al. **Endokrynol Pol** 29(6):463-74, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

THYROID HORMONES

ADVERSE EFFECTS

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139-45, 1 Dec 78 (67 ref.)

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684-93, Jun 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Clinico-diagnostic considerations on lymphocytic thyroiditis. Presentation of clinical cases] Ferulano GP, et al. **Minerva Chir** 33(20):1441-64, 31 Oct 78 (Eng. Abstr.) **(Ita)**

THYROID

BIOSYNTHESIS

[Thyroid hormone synthesis and the makeup of the saliva of animals receiving a saccharose diet] Petrovich IuA, et al. **Stomatologiia (Mosk)** 57(6):10–3, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

BLOOD

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al. **Acta Endocrinol (Copenh)** 89(4):679–86, Dec 78

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Serum thyroid hormones changes in patients undergoing Caesarean section under general or regional anaesthesia. Halevy S, et al. **Br J Anaesth** 50(10):1053–7, Oct 78

Experience of radioimmunoassay of thyroid hormones in a developing country. Abiodun MO, et al. **East Afr Med J** 55(9):407–13, Sep 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Specific weight loss in hyperthyroidism. Bratusch-Marrain P, et al. **Horm Metab Res** 10(5):412–5, Sep 78

Dietary subacute toxicity of ethylene thiourea in the laboratory rat. Freudenthal RI, et al. **J Environ Pathol Toxicol** 1(1):147–61, Sep–Oct 78

Thyroid hormone levels in Nigerians living in endemic goitrous and non-goitrous areas. Singh A, et al. **Trop Geogr Med** 30(2):235–40, Jun 78

[Paraclinical studies in hypothyroidism] Fournier M, et al. **Rev Prat** 28(43):3301–4, 3307–9, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[Endocrinology of pregnancy. Concentration of triiodothyronine, thyroxine, effective thyroxine, thyreotropin and growth hormone in normal pregnancy, labor and in the cord blood] Czech W, et al. **Ginekol Pol** 49(11):963–9, Nov 78 (Eng. Abstr.) **(Pol)**

[Short-term administration of superpyrin (SPOFA) and changes in pituitary-thyroid axis function and plasma cortisol level in volunteers (author's transl)] Langer P, et al. **Bratisl Lek Listy** 70(4):459–64, Oct 78 (Eng. Abstr.) **(Slo)**

[Serum values and thyroid hormones exchange in the aged] Degrossi OJ, et al. **Medicina (B Aires)** 38(1):20–6, Jan–Feb 78 (Eng. Abstr.) **(Spa)**

METABOLISM

Basic isotope thyroid parameters in Zambia. Mikolajkow AT. **Med J Zambia** 11(6):158–9, Dec–Jan 78

Thyroid hormone action at the cell level (first of two parts). Sterling K. **N Engl J Med** 300(3):117–23, 18 Jan 79

T4 toxicosis. Thompson P Jr, et al. **South Med J** 71(12):1578–9, Dec 78

[Thyroid hormone metabolism and the functional activity of the thyroid gland in mother and fetus] Salakhova NS, et al. **Ontogenez** 9(6):594–600, 1978 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Hormonal modulation of specific messenger RNA species in normal and neoplastic rat liver. Feigelson P, et al. **Adv Enzymol** 47:275–312, 1978 (59 ref.)

Effect of hyperthyroidism on haemopoietic stem cell kinetics in mice. Vacek A, et al. **Cell Tissue Kinet** 11(5):487–96, Sep 78

Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Friedman Y, et al. **Endocr Res Commun** 5(2):109–24, 1978

[Study of the dynamics of acid formation in the stomachs of dogs under the influence of thyroidin by the method of intragastric pH-graphy] Kienia AI. **Biull Eksp Biol Med** 86(11):522–5, Nov 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

Thyroid hormone action at the cell level (first of two parts). Sterling K. **N Engl J Med** 300(3):117–23, 18 Jan 79

David Marine (1880–1976): Nestor of thyroidology. Matovinovic J. **Perspect Biol Med** 21(4):565–89, Summer 78

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

[Role of thyroid hormones in regulating erythropoiesis] Zlateva S. **Vutr Boles** 17(5):20–5, 1978 **(Bul)**

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**

[The thyroid gland. Foreword] Krivitzky A. **Soins** 23(23):3–4, 5 Dec 78 **(Fre)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

SECRETION

Extrahypophyseal effects of somatostatin. Efendić S, et al. **Ann Clin Res** 10(3):151–6, 1978 (57 ref.)

STANDARDS

Thyroid extract [letter] Fowler PB. **Br Med J** 2(6144):1089, 14 Oct 78

THERAPEUTIC USE

The effect of lithium treatment on thyroid function in patients with primary affective disorder. Cho JT, et al. **Am J Psychiatry** 136(1):115–6, Jan 79

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Pharmacological treatment of obesity. Sullivan AC, et al. **Int J Obes** 2(2):167–89, 1978

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

Behavioral effects of estrogen in the human female. Ehrhardt AA. **Pediatrics** 62(6 Pt 2):1166–70, Dec 78

[Biochemistry of depression. Literature analysis] Moussaoui D. **Encephale** 4(3):193–222, 1978 (173 ref.) (Eng. Abstr.) **(Fre)**

[Therapeutic problems in adult hypothyroidism] Wolf LM, et al. **Rev Prat** 28(43):3343–4, 3347–8, 3351–3, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Thyroid hormone therapy] Baulieu JL. **Soins** 23(23):51–2, 5 Dec 78 **(Fre)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

THYRONINES

ANALYSIS

[A simple method for the simultaneous analysis of r-T3 and 3,3'-T2 by mass fragmentography using GC-MS. (Part II. Mass fragmentographic identification of 3,3'-T2 and r-T3 in biological fluids) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1157–62, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[A simple method for the simultaneous analysis of r-T3 and 3,3'-T2 by mass fragmentography using GC-MS. (Part I. A comparative study of impurities in commercially available thyroid preparations) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1151–6, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

[Iodoamino acid synthesis in vitro with excellent yield of iodothyronines (author's transl)] Okamura K. **Fukuoka Igaku Zasshi** 69(9):414–26, Sep 78 (Eng. Abstr.) **(Jpn)**

BLOOD

L-3',5'-diiodothyronine in human serum [letter] Kirkegaard C, et al. **Lancet** 2(8102):1255, 9 Dec 78

L-3', 5'-diiodothyronine in human serum [letter] Ködding R,

et al. **Lancet** 2(8098):1049, 11 Nov 78

METABOLISM

Conversion of T3 and rT3 to 3,3'-T2: pH dependency. Höffken B, et al. **Clin Chim Acta** 90(1):45–51, 15 Nov 78

PHARMACODYNAMICS

Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Friedman Y, et al. **Endocr Res Commun** 5(2):109–24, 1978

THYROXINE

Synthesis and degradation of myocardial protein during the development and regression of thyroxine-induced cardiac hypertrophy in rats. Sanford CF, et al. **Circ Res** 43(5):688–94, Nov 78

ADMINISTRATION & DOSAGE

Correction of the biochemical effects of neonatal hypothyroidism by daily low doses of thyroxine. Comparative effects of hyperthyroidism and these corrections. Dainat J, et al. **Acta Neurol Scand** 58(3):167–77, Sep 78

Synthesis and degradation of myocardial protein during the development and regression of thyroxine-induced cardiac hypertrophy in rats. Sanford CF, et al. **Circ Res** 43(5):688–94, Nov 78

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277–8, 16 Dec 78

Oral ulceration associated with hypothyroidism. Report of a case. Brown AE, et al. **Oral Surg** 46(2):216–9, Aug 78

Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Moore PK, et al. **Prostaglandins** 16(3):335–49, Sep 78

ADVERSE EFFECTS

The thyroid, prolactin, and breast cancer [editorial] VanderLaan WP, et al. **Arch Intern Med** 138(11):1611–2, Nov 78

ANALOGS & DERIVATIVES

Thyroxine-protein interactions. Binding constants for interaction of thyroxine analogues with the thyroxine binding site on human thyroxine-binding globulin. Tabachnick M, et al. **Biochim Biophys Acta** 537(1):169–75, 20 Nov 78

ANALYSIS

External quality control for hormone determinations in the Federal Republic of Germany. Röhle G, et al. **Horm Res** 9(6):450–4, 1978

Thyroid and obesity: survey of some function tests in a large obese population. Strata A, et al. **Int J Obes** 2(3):333–40, 1978

Chemical and physical characterization of submolecular proteins of porcine thyroglobulin. Itagaki E, et al. **J Biochem (Tokyo)** 84(3):597–606, Sep 78

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The role of prolactin in blocking thyroxine-induced differentiation of tail tissue in larval and neotenic Ambystoma tigrinum. Platt JE, et al. **Gen Comp Endocrinol** 35(4):402–8, Aug 78

BLOOD

Influence of thiazides on thyroid parameters in man. Bech K, et al. **Acta Endocrinol (Copenh)** 89(4):673–8, Dec 78

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al. **Acta Endocrinol (Copenh)** 89(4):679–86, Dec 78

The effect of lithium on the peripheral turnover of thyroxine and triiodothyronine. Kvetny J. **Acta Endocrinol (Copenh)** 89(4):687–92, Dec 78

Circadian and 30 minutes variations in serum TSH and thyroid hormones in normal subjects. Weeke J, et al. **Acta Endocrinol (Copenh)** 89(4):659–72, Dec 78

Myxoedema and thyrotoxicosis: relations between clinical state and concentrations of thyroxine and triiodothyronine in blood. Johansen K, et al. **Acta Med Scand** 204(5):361–4, 1978

The preferential role of triiodothyronine in the regulation of basal metabolic rate in hyper- and hypothyroidism. Johansen K, et al. **Acta Med Scand** 204(5):357–9, 1978

Clinical value of total T4 and T3 determinations in patients with suspect hyperthyroidism before and after correction for binding proteins. Kallner G, et al. **Acta Med Scand** 204(5):369–73, 1978

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

A pregnancy with a hydatidiform mole, thyreotoxicosis and live-born infant. Ladehoff P, et al. **Acta Obstet Gynecol Scand** 57(5):477–8, 1978

Comparisons between serum concentrations of thyroxine and thyroxine-binding proteins in samples simultaneously obtained from capillary, peripheral vein, central vein and aorta in newborn infants. Jacobsen BB, et al. **Acta Paediatr Scand** 68(1):43–8, Jan 79

Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Karlberg BE, et al. **Acta Psychiatr Scand** 58(5):389–400, Nov 78

Recurrent acute suppurative thyroiditis. Abe K, et al. **Am J Dis Child** 132(10):990–1, Oct 78

Surge of fetal plasma triiodothyronine before birth in sheep. Nwosu UC, et al. **Am J Obstet Gynecol** 132(5):489–94, 1 Nov 78

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638–41, Nov 78

Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth. Panaretto BA, et al. **Aust J Biol Sci** 31(3):247–55, Jun 78

Radioimmunoassay of thyroxine in dried blood spots. Sadler WA, et al. **Aust Paediatr J** 14(3):154–62, Sep 78

Toxicity of Leucaena leucocephala. The effect of iodine and mineral supplements on penned steers fed a sole diet of Leucaena. Jones RJ, et al. **Aust Vet J** 54(8):387–92, Aug 78

Serum thyroid hormones changes in patients undergoing Caesarean section under general or regional anaesthesia. Halevy S, et al. **Br J Anaesth** 50(10):1053–7, Oct 78

Thyroid disease and pregnancy [letter] **Br Med J** 2(6150):1496, 25 Nov 78

Thyroid function tests [letter] Sheridan P, et al. **Br Med J** 2(6145):1162, 21 Oct 78

How often should patients be reviewed after treatment with iodine-131 for thyrotoxicosis? Toft AD, et al. **Br Med J** 2(6145):1115–7, 21 Oct 78

Serum thyroxin levels during hyperthermia evoked in the monkey by intrahypothalamic injection of PGE1, 5-HT or pyrogen. Simpson CW, et al. **Brain Res Bull** 3(3):275–8, May-Jun 78

Estimation of free triiodothyronine in serum: a new method and its clinical relevance. Siegel L, et al. **Clin Chem** 24(11):1891–4, Nov 78

Measurement of serum thyroxine-binding capacity. Seligson H, et al. **Clin Chim Acta** 89(1):47–58, 2 Oct 78

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337–49, Oct 78

Thyroidal hormone metabolism in obesity during semi-starvation. Grant AM, et al. **Clin Endocrinol (Oxf)** 9(3):227–31, Sep 78

Thyroxine, triiodothyronine and thyrotrophin levels in meningococcal meningitis, typhoid fever and other febrile conditions. Maharajan G, et al. **Clin Endocrinol (Oxf)** 9(5):401–6, Nov 78

Free-thyroxine index in mania and depression. Rinieris P, et al. **Compr Psychiatry** 19(6):561–4, Nov-Dec 78

Experience of radioimmunoassay of thyroid hormones in a developing country. Abiodun MO, et al. **East Afr Med J** 55(9):407–13, Sep 78

Long term antithyroid drug therapy for intractable cases of Graves' disease. Shizume K. **Endocrinol Jpn** 25(4):377–9, Aug 78

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Estimation of plasma thyroxine concentration in ducks in relation to different environmental and experimental conditions. Astier HS, et al. **Experientia** 34(9):1228–30, 15 Sep 78

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Extrathyroidal conversion of thyroxine to triiodothyronine in a bird: the Peking duck. Astier HS, et al. **Gen Comp Endocrinol** 35(4):496–9, Aug 78

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

Screening of the thyroid function of newborns in Southern Belgium. Bouckaert A, et al. **Int J Epidemiol** 7(3):249, Sep 78

Unresponsiveness to exogenous TSH in obesity. Schmitt T, et al. **Int J Obes** 1(2):185–90, 1977

Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Diet-hormone interrelationships in the rat. Edozien JC, et al. **J Nutr** 108(11):1767–76, Nov 78

The effect of preslaughter lairage on serum thyroxine and cortisol levels at slaughter, and meat quality of boars, hogs and gilts. Moss BW, et al. **J Sci Food Agric** 29(8):689–96, Aug 78

T3/T4 ratio in thyroid disease [letter] Walfish PG. **Lancet** 2(8098):1056, 11 Nov 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

Basic isotope thyroid parameters in Zambia. Mikolajkow AT. **Med J Zambia** 11(6):158–9, Dec-Jan 78

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188–91, 1978

Early detection of thyroid dyshormonogenesis in a breast-fed infant using a filter paper screening method. Sack J, et al. **Monogr Hum Genet** 10:185–7, 1978

Euthyroid sick syndrome [letter] Rubenfeld S. **N Engl J Med** 299(25):1414, 21 Dec 78

Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Moore PK, et al. **Prostaglandins** 16(3):335–49, Sep 78

Predicting hypothyroidism. Toft AD. **Scott Med J** 23(4):263–5, Oct 78

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

T4 toxicosis. Thompson P Jr, et al. **South Med J** 71(12):1578–9, Dec 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

Thyroid hormone levels in Nigerians living in endemic goitrous and non-goitrous areas. Singh A, et al. **Trop Geogr Med** 30(2):235–40, Jun 78

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Incidence of abnormal serum concentrations of thyroid hormones and reverse T3 in patients without thyroid disease] Weeke J, et al. **Ugeskr Laeger** 140(47):2912–4, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Hyperthyroidism in the African black: 87 personal cases observed at Dakar] Sankalé M, et al. **Afr J Med Med Sci** 7(2):71–8, Jun 78 **(Fre)**

[Rapid method of quantitative evaluation of serum thyroxine binding globulin (TBG)] Paulin R, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):240–5, 1978 (Eng. Abstr.) **(Fre)**

[Thyroxine: normal levels from birth to 70 days. Value for the detection of congenital hypothyroidism (letter)] Touzery C, et al. **Nouv Presse Med** 7(33):2965, 30 Sep 78 **(Fre)**

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Recurrent goiter with and without prevention] Koch G, et al. **Med Welt** 29(46):1787–9, 17 Nov 78 **(Ger)**

[T4 radioimmunoassay using a solid phase method--evaluation of Spak T4 RIA Kit] Mitsuma T, et al. **Horumon To Rinsho** 26(11):1225–9, Nov 78 **(Jpn)**

[Determination of blood thyroxine values using RIA-gnost T4] Miyamoto M, et al. **Horumon To Rinsho** 26(11):1237–42, Nov 78 **(Jpn)**

[Thyroxine deiodination activity of the peripheral lymphocytes] Saida K, et al. **Horumon To Rinsho** 26(11):1150–4, Nov 78 **(Jpn)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Kuroda M. **Nippon Naibunpi Gakkai Zasshi** 54(8):980–993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Changes in serum thyrotropin, thyroxine and triiodothyronine after complete thyroidectomy (author's transl)] Tamai H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):891–7, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[An evaluation of a T4 RIA kit using solid phase method--SPAC T4 RIA (author's transl)] Koizumi K, et al. **Radioisotopes** 27(9):539–42, Sep 78 **(Jpn)**

[Serum thyroid hormone concentration as an indicator of the thyroid gland function] Jeske W, et al. **Endokrynol Pol** 29(6):501–9, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

[Endocrinology of pregnancy. Concentration of triiodothyronine, thyroxine, effective thyroxine, thyreotropin and growth hormone in normal pregnancy, labor and in the cord blood] Czech W, et al. **Ginekol Pol** 49(11):963–9, Nov 78 (Eng. Abstr.) **(Pol)**

[Effect of prednisolone on triiodothyronine and thyroxine concentration in hyperthyroidism] Zgliczyński S, et al. **Pol Arch Med Wewn** 60(5):433–42, Nov 78 (Eng. Abstr.) **(Pol)**

[Normal values of total thyroxine and the index of binding of I-125 labeled triiodothyronine in healthy children] Koehler B, et al. **Pol Tyg Lek** 33(47):1827–9, 20 Nov 78 (Eng. Abstr.) **(Pol)**

[Hyperthyroidism with selective increase in the serum of triiodothyronine level (T-3 toxicosis)] Bruchacki J. **Wiad Lek** 31(20):1483–6, 15 Oct 78 (Eng. Abstr.) **(Pol)**

[Functional state of the thyroid gland at various stages of arteriosclerosis according to the data of radioisotope diagnosis in vitro] Koroliuk IP, et al. **Kardiologiia** 18(10):134–6, Oct 78 **(Rus)**

[Functional state of the pituitary-thyroid system of women during pregnancy] Turakulova FIa, et al. **Probl Endokrinol (Mosk)** 24(6):39–42, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Serum values and thyroid hormones exchange in the aged] Degrossi OJ, et al. **Medicina (B Aires)** 38(1):20–6, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

METABOLISM

Thyroxine binding and deiodination of thyroxine by human lymphocytes. Kvetny J. **Clin Chim Acta** 89(2):183–90, 16 Oct 78

Amino acid and thyroid hormone transport systems in Xenopus laevis. Mlot C, et al. **Dev Biol** 67(1):65–72, Nov 78

Extrathyroidal conversion of thyroxine to triiodothyronine in a bird: the Peking duck. Astier HS, et al. **Gen Comp Endocrinol** 35(4):496–9, Aug 78

Camel thyroid metabolism: effect of season and dehydration. Yagil R, et al. **J Appl Physiol** 45(4):540–4, Oct 78

Thyroid storm following radioiodine for thyrotoxicosis. Hayek A. **J Pediatr** 93(6):978–80, Dec 78

Thyroxine, tri-iodothyronine, and reverse tri-iodothyronine concentrations in human milk. Varma SK, et al. **J Pediatr** 93(5):803–6, Nov 78

L-3', 5'-diiodothyronine in human serum [letter] Ködding R, et al. **Lancet** 2(8098):1049, 11 Nov 78

Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Schreiber V, et al. **Physiol Bohemoslov** 27(6):505–13, 1978

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Effect of an industrial frequency alternating magnetic field on the functional state of the thyroid gland and thyroxine absorption by the organs of rats] Udintsev NA, et al. **Biull Eksp Biol Med** 86(11):544–6, Nov 78 (Eng. Abstr.) **(Rus)**

[Thyroid hormone metabolism and the functional activity of the thyroid gland in mother and fetus] Salakhova NS, et al. **Ontogenez** 9(6):594–600, 1978 (Eng. Abstr.) **(Rus)**

[Serum values and thyroid hormones exchange in the aged] Degrossi OJ, et al. **Medicina (B Aires)** 38(1):20–6, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al. **Acta Endocrinol (Copenh)** 89(4):679-86, Dec 78

The Snell-dwarfmouse. II. Sulphate and thymidine incorporation in costal cartilage and somatomedin levels before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):646-58, Dec 78

The Snell-dwarfmouse. I. General growth pattern, before and during growth hormone and thyroxine therapy. van Buul S, et al. **Acta Endocrinol (Copenh)** 89(4):632-45, Dec 78

Morphological development of the epithelium of the embryonic chick intestine in culture: influence of thyroxine and hydrocortisone. Black BL. **Am J Anat** 153(4):573-99, Dec 78

Dose-dependent actions of thyroxine on hepatic drug metabolism in male and female rats. Rumbaugh RC, et al. **Biochem Pharmacol** 27(16):2027-31, 1978

Effects of hormones on differentiation of parotid glands of suckling mice in vitro. Kumegawa M, et al. **Biochim Biophys Acta** 544(1):53-61, 15 Nov 78

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337-49, Oct 78

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321-7, Oct 78

Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Friedman Y, et al. **Endocr Res Commun** 5(2):109-24, 1978

Effect of thiocyanate and other univalent anions on the binding of thyroxine to rat liver nuclei and homogenate. Knopp J, et al. **Endocrinol Exp (Bratisl)** 12(3):157-64, Sep 78

Effects of exogenous thyroxine on the surface morphology of the developing chick anterior corneal epithelium. Waggoner PR. **Experientia** 34(9):1213-5, 15 Sep 78

Adipose tissue cellularity: effect on insulin and thyroxine. Lewis BM, et al. **Horm Metab Res** 10(5):386-9, Sep 78

Central alpha-adrenoceptors and affective symptoms and disorders. pp. 245-54. Svensson TH. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Thyroid hormones & lipid phosphorous in mice. Thakare UR, et al. **Indian J Biochem Biophys** 15(2):137-8, Apr 78

Electrophoretic analysis of multiple forms of rat cardiac myosin: effects of hypophysectomy and thyroxine replacement. Hoh JF, et al. **J Mol Cell Cardiol** 10(11):1053-76, Nov 78

Effect of propylthiouracil and thyroxine on the inactivation of somatostatin by rat hypothalamus. Dupont A, et al. **Life Sci** 23(20):2007-11, 13 Nov 78

Antipain inhibits thyroxine-induced synthesis of carbamyl phosphate synthetase I in tadpole liver. Mori M, et al. **Proc Natl Acad Sci USA** 75(11):5339-43, Nov 78

Interaction of ethanol and thyroxine on hepatic oxygen consumption. Singh SP, et al. **Proc Soc Exp Biol Med** 159(2):226-9, Nov 78

Effects of thyroxine, epinephrine and cold exposure on lipolysis in genetically obese (ob/ob) mice. Thenen SW, et al. **Proc Soc Exp Biol Med** 159(1):116-20, Oct 78

[Effect of thyroxine on the hypothalamic concentration of biogenic amines in rats of different ages] Ostroumova MN, et al. **Fiziol Zh SSSR** 64(10):1382-5, Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Stimulation of cardiac myosin adenosine triphosphatase in thyrotoxicosis. Morkin E. **Circ Res** 44(1):1-7, Jan 79 (50 ref.)

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435-55, Aug 78 (108 ref.)

SECRETION

Release of cyclic AMP from thyroid cells in vitro. Ahrén B, et al. **Acta Endocrinol (Copenh)** 89(4):693-700, Dec 78

[The regulation of secretions by ions screened in vivo through a nutritional model and its impact on thyroidal iodine metabolism (proceedings) (author's transl)] Triantaphyllidis H. **Ann Endocrinol (Paris)** 39(3):241-2, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Correction of the biochemical effects of neonatal hypothyroidism by daily low doses of thyroxine. Comparative effects of hyperthyroidism and these corrections. Dainat J, et al. **Acta Neurol Scand** 58(3):167-77, Sep 78

Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Starr P. **Adv Lipid Res** 16:345-71, 1978 (47 ref.)

Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Jackson IM, et al. **Ann Neurol** 3(5):458-61, May 78

Thyroid extract [letter] Fowler PB. **Br Med J** 2(6144):1089, 14 Oct 78

Hypothyroidism with true myotonia. Venables GS, et al. **J Neurol Neurosurg Psychiatry** 41(11):1013-5, Nov 78

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277-8, 16 Dec 78

Early detection of thyroid dyshormonogenesis in a breast-fed infant using a filter paper screening method. Sack J, et al. **Monogr Hum Genet** 10:185-7, 1978

[Sheehan's syndrome in black Africa. Nine cases; 5 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):65-9, Jun 78 **(Fre)**

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507-12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

TOXICITY

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277-8, 16 Dec 78

URINE

Effect of manual lymph drainage massage on urinary excretion of neurohormones and minerals in chronic lymphedema. Kurz W, et al. **Angiology** 29(10):764-72, Oct 78

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337-49, Oct 78

TRIIODOTHYRONINE

Thyroxine-protein interactions. Binding constants for interaction of thyroxine analogues with the thyroxine binding site on human thyroxine-binding globulin. Tabachnick M, et al. **Biochim Biophys Acta** 537(1):169-75, 20 Nov 78

ADMINISTRATION & DOSAGE

[Thyrotoxicosis occurring after the Werner test in Graves-Basedow disease] Diez Jiménez L, et al. **Rev Clin Esp** 150(5):285-6, 15 Sep 78 **(Spa)**

ADVERSE EFFECTS

[Thyrotoxicosis occurring after the Werner test in Graves-Basedow disease] Diez Jiménez L, et al. **Rev Clin Esp** 150(5):285-6, 15 Sep 78 **(Spa)**

ANALYSIS

External quality control for hormone determinations in the Federal Republic of Germany. Röhle G, et al. **Horm Res** 9(6):450-4, 1978

Thyroid and obesity: survey of some function tests in a large obese population. Strata A, et al. **Int J Obes** 2(3):333-40, 1978

Chemical and physical characterization of submolecular proteins of porcine thyroglobulin. Itagaki E, et al. **J Biochem (Tokyo)** 84(3):597-606, Sep 78

[A simple method for the simultaneous analysis of r-T3 and 33'-T2 by mass fragmentography using GC-MS. (Part II. Mass fragmentographic identification of 33'-T2 and r-T3 in biological fluids) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1157-62, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[A simple method for the simultaneous analysis of r-T3 and 33'-T2 by mass fragmentography using GC-MS. (Part I. A comparative study of impurities in commercially available thyroid preparations) (author's transl)] Heki N. **Nippon Naibunpi Gakkai Zasshi** 54(10):1151-6, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Extrathyroidal conversion of thyroxine to triiodothyronine in a bird: the Peking duck. Astier HS, et al. **Gen Comp Endocrinol** 35(4):496-9, Aug 78

BLOOD

Influence of thiazides on thyroid parameters in man. Bech K, et al. **Acta Endocrinol (Copenh)** 89(4):673–8, Dec 78

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al. **Acta Endocrinol (Copenh)** 89(4):679–86, Dec 78

The effect of lithium on the peripheral turnover of thyroxine and triiodothyronine. Kvetny J. **Acta Endocrinol (Copenh)** 89(4):687–92, Dec 78

Circadian and 30 minutes variations in serum TSH and thyroid hormones in normal subjects. Weeke J, et al. **Acta Endocrinol (Copenh)** 89(4):659–72, Dec 78

Myxoedema and thyrotoxicosis: relations between clinical state and concentrations of thyroxine and triiodothyronine in blood. Johansen K, et al. **Acta Med Scand** 204(5):361–4, 1978

The preferential role of triiodothyronine in the regulation of basal metabolic rate in hyper- and hypothyroidism. Johansen K, et al. **Acta Med Scand** 204(5):357–9, 1978

Clinical value of total T4 and T3 determinations in patients with suspect hyperthyroidism before and after correction for binding proteins. Kallner G, et al. **Acta Med Scand** 204(5):369–73, 1978

Recurrent acute suppurative thyroiditis. Abe K, et al. **Am J Dis Child** 132(10):990–1, Oct 78

T3 thyrotoxicosis [letter] Pombo M, et al. **Am J Dis Child** 132(11):1147, Nov 78

Surge of fetal plasma triiodothyronine before birth in sheep. Nwosu UC, et al. **Am J Obstet Gynecol** 132(5):489–94, 1 Nov 78

Toxicity of Leucaena leucocephala. The effect of iodine and mineral supplements on penned steers fed a sole diet of Leucaena. Jones RJ, et al. **Aust Vet J** 54(8):387–92, Aug 78

Serum thyroid hormones changes in patients undergoing Caesarean section under general or regional anaesthesia. Halevy S, et al. **Br J Anaesth** 50(10):1053–7, Oct 78

Thyroid disease and pregnancy [letter] **Br Med J** 2(6150):1496, 25 Nov 78

How often should patients be reviewed after treatment with iodine-131 for thyrotoxicosis? Toft AD, et al. **Br Med J** 2(6145):1115–7, 21 Oct 78

Estimation of free triiodothyronine in serum: a new method and its clinical relevance. Siegel L, et al. **Clin Chem** 24(11):1891–4, Nov 78

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337–49, Oct 78

Thyroidal hormone metabolism in obesity during semi-starvation. Grant AM, et al. **Clin Endocrinol (Oxf)** 9(3):227–31, Sep 78

Thyroxine, triiodothyronine and thyrotrophin levels in meningococcal meningitis, typhoid fever and other febrile conditions. Maharajan G, et al. **Clin Endocrinol (Oxf)** 9(5):401–6, Nov 78

Experience of radioimmunoassay of thyroid hormones in a developing country. Abiodun MO, et al. **East Afr Med J** 55(9):407–13, Sep 78

Long term antithyroid drug therapy for intractable cases of Graves' disease. Shizume K. **Endocrinol Jpn** 25(4):377–9, Aug 78

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Extrathyroidal conversion of thyroxine to triiodothyronine in a bird: the Peking duck. Astier HS, et al. **Gen Comp Endocrinol** 35(4):496–9, Aug 78

Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Sizonenko PC, et al. **Helv Paediatr Acta** 33(4–5):341–50, Nov 78

Unresponsiveness to exogenous TSH in obesity. Schmitt T, et al. **Int J Obes** 1(2):185–90, 1977

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Diet-hormone interrelationships in the rat. Edozien JC, et al. **J Nutr** 108(11):1767–76, Nov 78

T3/T4 ratio in thyroid disease [letter] Walfish PG. **Lancet** 2(8098):1056, 11 Nov 78

Can the initial clinical assessment of thyroid function be improved? White GH, et al. **Lancet** 2(8096):933–5, 28 Oct 78

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188–91, 1978

Euthyroid sick syndrome [letter] Rubenfeld S. **N Engl J Med** 299(25):1414, 21 Dec 78

Normal serum T3 after abdominal operation in severe hyperthyroidism [letter] Topliss DJ, et al. **N Engl J Med** 300(2):92–3, 11 Jan 79

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

Thyroid hormone levels in Nigerians living in endemic goitrous and non-goitrous areas. Singh A, et al. **Trop Geogr Med** 30(2):235–40, Jun 78

[Changes of serum 3,3',5'-L-triiodothyronine (reversed T3) in patients with thyrotoxicosis and hypothyreosis] Nedvídková J, et al. **Vnitr Lek** 24(12):1170–5, Dec 78 (Eng. Abstr.) **(Cze)**

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Incidence of abnormal serum concentrations of thyroid hormones and reverse T3 in patients without thyroid disease] Weeke J, et al. **Ugeskr Laeger** 140(47):2912–4, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Recurrent goiter with and without prevention] Koch G, et al. **Med Welt** 29(46):1787–9, 17 Nov 78 **(Ger)**

[The effect of iodine-containing radiographic contrast medium on TSH-TRH-tests (author's transl)] Spitz J, et al. **ROEFO** 129(4):445–7, Oct 78 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Kuroda M. **Nippon Naibunpi Gakkai Zasshi** 54(8):980–993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Changes in serum thyrotropin, thyroxine and triiodothyronine after complete thyroidectomy (author's transl)] Tamai H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):891–7, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Thyroid function test by GammaCoat T3 uptake kit (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(9):533–5, Sep 78 **(Jpn)**

[An evaluation of a T3 uptake test kit using solid phase method. -SPAC T3 uptake kit (author's transl)] Koizumi K, et al. **Radioisotopes** 27(9):536–8, Sep 78 **(Jpn)**

[Serum thyroid hormone concentration as an indicator of the thyroid gland function] Jeske W, et al. **Endokrynol Pol** 29(6):501–9, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

[Endocrinology of pregnancy. Concentration of triiodothyronine, thyroxine, effective thyroxine, thyreotropin and growth hormone in normal pregnancy, labor and in the cord blood] Czech W, et al. **Ginekol Pol** 49(11):963–9, Nov 78 (Eng. Abstr.) **(Pol)**

[Effect of prednisolone on triiodothyronine and thyroxine concentration in hyperthyroidism] Zgliczyński S, et al. **Pol Arch Med Wewn** 60(5):433–42, Nov 78 (Eng. Abstr.) **(Pol)**

[Normal values of total thyroxine and the index of binding of I-125 labeled triiodothyronine in healthy children] Koehler B, et al. **Pol Tyg Lek** 33(47):1827–9, 20 Nov 78 (Eng. Abstr.) **(Pol)**

[Hyperthyroidism with selective increase in the serum of triiodothyronine level (T-3 toxicosis)] Bruchacki J. **Wiad Lek** 31(20):1483–6, 15 Oct 78 (Eng. Abstr.) **(Pol)**

[Functional state of the thyroid gland at various stages of arteriosclerosis according to the data of radioisotope diagnosis in vitro] Koroliuk IP, et al. **Kardiologiia** 18(10):134–6, Oct 78 **(Rus)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary-thyroid system of women during pregnancy] Turakulova FIa, et al. **Probl Endokrinol (Mosk)** 24(6):39–42, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Serum values and thyroid hormones exchange in the aged] Degrossi OJ, et al. **Medicina (B Aires)** 38(1):20–6, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

[Hormones and differentiation of retinal ganglion cells during embryogenesis of mice of the mutant line ocular retardation

(karyometric study)] Alekseev EI.
Arkh Anat Gistol Embriol 75(9):106–11, Sep 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638–41, Nov 78

Conversion of T3 and rT3 to 3,3'-T2: pH dependency. Höffken B, et al. **Clin Chim Acta** 90(1):45–51, 15 Nov 78

Amino acid and thyroid hormone transport systems in Xenopus laevis. Mlot C, et al. **Dev Biol** 67(1):65–72, Nov 78

Differentiation dependent alterations in lymphocytic triiodothyronine reception. Csaba G, et al.
Horm Metab Res 10(5):455–6, Sep 78

Camel thyroid metabolism: effect of season and dehydration. Yagil R, et al. **J Appl Physiol** 45(4):540–4, Oct 78

Relationship between the accumulation of pituitary growth hormone and nuclear occupancy by triiodothyronine in the rat. Coulombe P, et al. **J Clin Invest** 62(5):1020–8, Nov 78

Hemodialysis and thyroid functions in children. Chan JC, et al. **J Dial** 2(4):387–92, 1978

Thyroid storm following radioiodine for thyrotoxicosis. Hayek A. **J Pediatr** 93(6):978–80, Dec 78

Thyroxine, tri-iodothyronine, and reverse tri-iodothyronine concentrations in human milk. Varma SK, et al.
J Pediatr 93(5):803–6, Nov 78

L-3', 5'-diiodothyronine in human serum [letter] Ködding R, et al. **Lancet** 2(8098):1049, 11 Nov 78

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

[Serum values and thyroid hormones exchange in the aged] Degrossi OJ, et al. **Medicina (B Aires)** 38(1):20–6, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al.
Acta Endocrinol (Copenh) 89(4):679–86, Dec 78

Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Friedman Y, et al.
Endocr Res Commun 5(2):109–24, 1978

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al.
Endocr Res Commun 5(2):135–59, 1978

Prenatal development of acid beta-glycosidases in the rat liver, effect of triiodothyronine or cortisone administered to pregnant rats. Horowitz C, et al. **Horm Metab Res** 10(5):425–8, Sep 78

Thyroid hormones & lipid phosphorous in mice. Thakare UR, et al. **Indian J Biochem Biophys** 15(2):137–8, Apr 78

Biochemical studies on liver functions in primary cultured hepatocytes of adult rats. I. Hormonal effects on cell viability and protein synthesis. Tanaka K, et al.
J Biochem (Tokyo) 84(4):937–46, Oct 78

Relationship between the accumulation of pituitary growth hormone and nuclear occupancy by triiodothyronine in the rat. Coulombe P, et al. **J Clin Invest** 62(5):1020–8, Nov 78

Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

[Action of calcitonin, alone or combined triiodothyronine, on urinary calcium and phosphate levels during fasting] Asch L. **Nouv Presse Med** 7(35):3150, 14 Oct 78 **(Fre)**

PHYSIOLOGY

The preferential role of triiodothyronine in the regulation of basal metabolic rate in hyper- and hypothyroidism. Johansen K, et al. **Acta Med Scand** 204(5):357–9, 1978

STANDARDS

[A simple method for the simultaneous analysis of r-T3 and 33'-T2 by mass fragmentography using GC-MS. (Part I. A comparative study of impurities in commercially available thyroid preparations) (author's transl)] Heki N.
Nippon Naibunpi Gakkai Zasshi 54(10):1151–6, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Primary myxedema heart disease. Thomas J, et al.
J Natl Med Assoc 70(11):833–6, Nov 78

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

URINE

The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Chan V, et al. **Clin Endocrinol (Oxf)** 9(4):337–49, Oct 78

Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Faber J, et al. **Clin Endocrinol (Oxf)** 9(3):279–82, Sep 78

TRIIODOTHYRONINE, REVERSE

ADMINISTRATION & DOSAGE

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al.
Acta Endocrinol (Copenh) 89(4):679–86, Dec 78

BLOOD

Influence of thiazides on thyroid parameters in man. Bech K, et al. **Acta Endocrinol (Copenh)** 89(4):673–8, Dec 78

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al.
Acta Endocrinol (Copenh) 89(4):679–86, Dec 78

Surge of fetal plasma triiodothyronine before birth in sheep. Nwosu UC, et al. **Am J Obstet Gynecol** 132(5):489–94, 1 Nov 78

Serum thyroid hormones changes in patients undergoing Caesarean section under general or regional anaesthesia. Halevy S, et al. **Br J Anaesth** 50(10):1053–7, Oct 78

Thyroidal hormone metabolism in obesity during semi-starvation. Grant AM, et al. **Clin Endocrinol (Oxf)** 9(3):227–31, Sep 78

[Incidence of abnormal serum concentrations of thyroid hormones and reverse T3 in patients without thyroid disease] Weeke J, et al. **Ugeskr Laeger** 140(47):2912–4, 20 Nov 78 (Eng. Abstr.) **(Dan)**

METABOLISM

Conversion of T3 and rT3 to 3,3'-T2: pH dependency. Höffken B, et al. **Clin Chim Acta** 90(1):45–51, 15 Nov 78

Thyroxine, tri-iodothyronine, and reverse tri-iodothyronine concentrations in human milk. Varma SK, et al.
J Pediatr 93(5):803–6, Nov 78

L-3', 5'-diiodothyronine in human serum [letter] Ködding R, et al. **Lancet** 2(8098):1049, 11 Nov 78

[Deiodination of thyroxine to active and inactive triiodothyronine] Laurberg P, et al. **Ugeskr Laeger** 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**

URINE

Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Faber J, et al. **Clin Endocrinol (Oxf)** 9(3):279–82, Sep 78

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

PHARMACODYNAMICS

Mitotic rate of the rat's thyroid gland during hypertrophy induced by an antithyroid agent (carbimazole). Redmond O, et al. **J Anat** 127(2):353–62, Oct 78

THERAPEUTIC USE

[Lithium acetate, a useful and well tolerated thyrostatic for selected cases of hyperthyroidism] Eigenmann F, et al. **Schweiz Med Wochenschr** 108(47):1850–3, 25 Nov 78 (Eng. Abstr.) **(Ger)**

METHIMAZOLE

METABOLISM

Metabolism of methimazole by rat liver cytochrome P-450-containing monoxygenases. Lee PW, et al. **Drug Metab Dispos** 6(5):591–600, Sep–Oct 78

POISONING

[Development of follicular and parafollicular adenomas in the thyroid of rats treated with thiamazole (author's transl)] Stoll R, et al. **Ann Endocrinol (Paris)** 39(3):179–89, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

[Lithium acetate, a useful and well tolerated thyrostatic for selected cases of hyperthyroidism] Eigenmann F, et al. **Schweiz Med Wochenschr** 108(47):1850–3, 25 Nov 78 (Eng. Abstr.) **(Ger)**

METHYLTHIOURACIL

PHARMACODYNAMICS

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et al. **Endocrinol Jpn** 25(4):329–34, Aug 78

THERAPEUTIC USE

[Use of methacil in the overall treatment of parodontosis] Pukhovskaia AD. **Stomatologiia (Mosk)** 57(6):81–2, Nov–Dec 78 **(Rus)**

PROPYLTHIOURACIL

ADMINISTRATION & DOSAGE

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Effect of short-term therapy with propylthiouracil in patients with alcoholic liver disease. Orrego H, et al. **Gastroenterology** 76(1):105–15, Jan 79

ADVERSE EFFECTS

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Effect of short-term therapy with propylthiouracil in patients with alcoholic liver disease. Orrego H, et al. **Gastroenterology** 76(1):105–15, Jan 79

PHARMACODYNAMICS

Correlation of reverse-T3 and 3,3'-T2 (T2') plasma concentrations under physiological and experimental conditions in man. Hüfner M, et al. **Acta Endocrinol (Copenh)** 89(4):679–86, Dec 78

Effect of propyl thiouracil on adenyl cyclase activity & phospholipogenesis in rat thyroids. Pahuja DN, et al. **Indian J Biochem Biophys** 15(1):79–80, Feb 78

Effect of propylthiouracil and thyroxine on the inactivation of somatostatin by rat hypothalamus. Dupont A, et al. **Life Sci** 23(20):2007–11, 13 Nov 78

THERAPEUTIC USE

Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Israel Y, et al. **Gastroenterology** 76(1):116–22, Jan 79

Propylthiouracil treatment of alcoholic hepatitis [editorial] Maddrey WC. **Gastroenterology** 76(1):218–9, Jan 79

Effect of short-term therapy with propylthiouracil in patients with alcoholic liver disease. Orrego H, et al. **Gastroenterology** 76(1):105–15, Jan 79

TOXICITY

Dietary subacute toxicity of ethylene thiourea in the laboratory rat. Freudenthal RI, et al. **J Environ Pathol Toxicol** 1(1):147–61, Sep–Oct 78

THIOURACIL

Thyroid capsule changes during the development of thyroid hyperplasia in the rat. Wollman SH, et al. **Am J Pathol** 93(3):639–54, Dec 78

PHARMACODYNAMICS

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

Effects of exogenous thyroxine on the surface morphology of the developing chick anterior corneal epithelium. Waggoner PR. **Experientia** 34(9):1213–5, 15 Sep 78

THYROID ANTAGONISTS

ADMINISTRATION & DOSAGE

Long term antithyroid drug therapy for intractable cases of Graves' disease. Shizume K. **Endocrinol Jpn** 25(4):377–9, Aug 78

ADVERSE EFFECTS

[Etiological aspects of hypothyroidism] Guinet P. **Rev Prat** 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Yoshie S, et al. **Arch Histol Jpn** 41(2):129–40, Apr 78

POISONING

[Development of follicular and parafollicular adenomas in the thyroid of rats treated with thiamazole (author's transl)] Stoll R, et al. **Ann Endocrinol (Paris)** 39(3):179–89, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Long term antithyroid drug therapy for intractable cases of Graves' disease. Shizume K. **Endocrinol Jpn** 25(4):377–9, Aug 78

Predicting hypothyroidism. Toft AD. **Scott Med J**

23(4):263–5, Oct 78
[The medical treatment of hyperthyroidism (author's transl)]
Joly J, et al. **Chirurgie** 104(4):694–701, Jun 78 (Eng. Abstr.)
(Fre)

V. *Related Topics*

EXOPHTHALMOS

CHEMICALLY INDUCED

Ophthalmological and pharmacological studies after administration of clonidine in rats. Weisse I, et al. **Arch Toxicol** 41(1):89–98, 13 Oct 78

COMPLICATIONS

Sarcoidosis and its ophthalmic manifestations. Obenauf CD, et al. **Am J Ophthalmol** 86(5):648–55, Nov 78

DIAGNOSIS

Orbital surgery. Wright JE, et al. **Int Ophthalmol Clin** 18(3):149–67, Fall 78 (12 ref.)

[Complex diagnosis of tumors of the orbit (editorial)] **Oftalmol Zh** (6):403–4, 1978 **(Rus)**

[Importance of modern study methods in the complex diagnosis of orbital neoplasms] Terent'eva LS, et al. **Oftalmol Zh** (6):405–10, 1978 (55 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Unilateral exophthalmos: an unusual presentation of primary hyperparathyroidism. Block MB, et al. **Ariz Med** 35(12):785–6, Dec 78

Orbital surgery. Wright JE, et al. **Int Ophthalmol Clin** 18(3):149–67, Fall 78 (12 ref.)

[Unilateral exophthalmos caused by an ethmoidomaxillary mucocele] Lévy JP, et al. **Bull Soc Ophtalmol Fr** 77(11–12):947–52, Nov–Dec 77 (Eng. Abstr.) **(Fre)**

[Orbital osteitis in a child] Reny A, et al. **Bull Soc Ophtalmol Fr** 77(11–12):953–5, Nov–Dec 77 (Eng. Abstr.) **(Fre)**

[Pulsating exophthalmos and the post-traumatic orbital apex syndrome] Vasinca M, et al. **Rev Chir [Oftalmol]** 22(3):229–32, Jul–Sep 78 (Eng. Abstr.) **(Rum)**

PATHOLOGY

[Malignant lymphoma with myocardial involvement and progessive exophthalmos] Sarosiek J, et al. **Pol Tyg Lek** 33(49):1891–2, 4 Dec 78 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Orbital CT scan findings in malignant exophthalmos (author's transl)] Ichikizaki K, et al. **No To Shinkei** 30(9):985–93, Sep 78 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Orbital osteitis in a child] Reny A, et al. **Bull Soc Ophtalmol Fr** 77(11–12):953–5, Nov–Dec 77 (Eng. Abstr.) **(Fre)**

[Orbital CT scan findings in malignant exophthalmos (author's transl)] Ichikizaki K, et al. **No To Shinkei** 30(9):985–93, Sep 78 (Eng. Abstr.) **(Jpn)**

SURGERY

Orbital surgery. Wright JE, et al. **Int Ophthalmol Clin** 18(3):149–67, Fall 78 (12 ref.)

IODIDES

Fluorescence quenching and energy transfer in complexes between horse-liver alcohol dehydrogenase and coenzymes. Abdallah MA, et al. **Eur J Biochem** 89(2):397–405, 1 Sep 78

BLOOD

[Thyroxine deiodination activity of the peripheral lymphocytes] Saida K, et al. **Horumon To Rinsho** 26(11):1150–4, Nov 78 **(Jpn)**

METABOLISM

Site of iodination in rat mammary gland. Strum JM. **Anat Rec** 192(2):235–44, Oct 78

The use of gamma cameras to measure the disposition and fate of iodide in the rabbit [proceedings] Hardy JG, et al. **Br J Pharmacol** 64(3):468P–469P, Nov 78

PHARMACODYNAMICS

The effect of halides (NaCl and NaI) on in vitro pancreatic elastase activity. Winkler RH. **Connect Tissue Res** 6(2):89–92, 1978

THERAPEUTIC USE

[Waiting for goiter prophylaxis (interview)] Scriba P. **MMW** 120(47):1549–50, 24 Nov 78 **(Ger)**

IODINE

[Clinical uses of I-123 produced by 127I(p, 5n) 123Xe to 123I reaction in NIRS (author's transl)] Saegusa K, et al. **Kaku Igaku** 15(5):751–4, Aug 78 **(Jpn)**

ADMINISTRATION & DOSAGE

Optimal contrast dosage in cranial computed tomography. Norman D, et al. **AJR** 131(4):687–9, Oct 78

Evaluation of virucidal compounds for inactivation of rhinovirus on hands. Hendley JO, et al. **Antimicrob Agents Chemother** 14(5):690–4, Nov 78

Iodine and acetone-containing plastic spray dressings [letter] Lanham PR. **Br Med J** 2(6142):961, 30 Sep 78

Prevention of postextraction bacteremia by local prophylaxis. Jokinen MA. **Int J Oral Surg** 7(5):450–2, Oct 78

Quantitative aspects of contrast enhancement in cranial computed tomography. Norman D, et al. **Radiology** 129(3):683–8, Dec 78

ADVERSE EFFECTS

Iodine and acetone-containing plastic spray dressings [letter] Powell E. **Br Med J** 2(6150):1500, 25 Nov 78

Goiter in foals caused by excessive iodine. Driscoll J, et al. **J Am Vet Med Assoc** 173(7):858–9, 1 Oct 78

Transient neonatal hypothyroidism [letter] Chabrolle JP, et al. **Pediatrics** 62(5):857, Nov 78

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

[Iodine-induced hypothyroidism and hyperthyroidism] Baulieu JL. **Soins** 23(23):29–30, 5 Dec 78 **(Fre)**

[Iodine-induced hyperthyroidism (letter)] Reinwein D. **Dtsch Med Wochenschr** 103(44):1730, 3 Nov 78 **(Ger)**

BLOOD

Differential accumulation of radiopaque contrast material in acute myocardial infarction. Higgins CB, et al. **Am J Cardiol** 43(1):47–51, Jan 79

Quantitative aspects of contrast enhancement in cranial computed tomography. Norman D, et al. **Radiology** 129(3):683–8, Dec 78

Changes in parameters of growth hormone and thyrotrophic hormone, and of thyroid function, during the early postnatal period in the rat. Pascual-Leone AM, et al. **Rev Esp Fisiol** 34(3):301–7, Sep 78

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Thyroid hormone metabolism and the functional activity of the thyroid gland in mother and fetus] Salakhova NS, et al. **Ontogenez** 9(6):594–600, 1978 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary-thyroid system of women during pregnancy] Turakulova Fla, et al. **Probl Endokrinol (Mosk)** 24(6):39–42, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Change in the specific functions of cells under the influence of antibodies] Zaĭchik ASh. **Tsitologiia** 20(9):1070–4, Sep

78 (Eng. Abstr.) **(Rus)**

[Role of thyroid gland dysfunction in the pathogenesis and course of cerebral circulatory disorders] Buletsa BA, et al. **Zh Nevropatol Psikhiatr** 78(11):1614–6, 1978 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[The effect of tri-iodinated contrast media on clotting. An investigation of thrombocyte aggregation (author's transl)] Maurer HJ, et al. **ROEFO** 129(4):441–4, Oct 78 (Eng. Abstr.) **(Ger)**

[The effect of iodine-containing radiographic contrast medium on TSH-TRH-tests (author's transl)] Spitz J, et al. **ROEFO** 129(4):445–7, Oct 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Influence of thiazides on thyroid parameters in man. Bech K, et al. **Acta Endocrinol (Copenh)** 89(4):673–8, Dec 78

Differential accumulation of radiopaque contrast material in acute myocardial infarction. Higgins CB, et al. **Am J Cardiol** 43(1):47–51, Jan 79

Thyroid iodine concentration and total thyroid iodine in normal subjects and in endemic goitre subjects. Hellstern P, et al. **Clin Endocrinol (Oxf)** 9(4):351–6, Oct 78

Nephrotoxicity of sodium iopanoate in hydrated and dehydrated dogs. Burgener FA, et al. **Invest Radiol** 13(3):247–54, May–Jun 78

[Iodine metabolism in the autonomous functioning thyroid nodule and para-nodular tissue (author's transl)] Shiroozu A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):866–75, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Metabolism of iodohistidine. II. Comparative studies on decarboxylation of iodohistidine and histidine (author's transl)] Seyama Y, et al. **Yakugaku Zasshi** 98(8):1055–62, Aug 78 (Eng. Abstr.) **(Jpn)**

[Effect of an industrial frequency alternating magnetic field on the functional state of the thyroid gland and thyroxine absorption by the organs of rats] Udintsev NA, et al. **Biull Eksp Biol Med** 86(11):544–6, Nov 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Evaluation of virucidal compounds for inactivation of rhinovirus on hands. Hendley JO, et al. **Antimicrob Agents Chemother** 14(5):690–4, Nov 78

Effect of thyroidectomy on intracellular amount and distribution of exchangeable Ca2+ in isolated rat liver cells. Rosenqvist U. **Mol Cell Endocrinol** 12(1):111–7, Oct 78

Binding activity regulation of rabbit skeletal muscle adenosine 3'–5'–monophosphate–dependent protein kinases. Sobrino F, et al. **Rev Esp Fisiol** 34(3):285–9, Sep 78

POISONING

Nodular goiters of three mares and their foals, induced by feeding excessive amount of seaweed. Miyazawa K, et al. **Nippon Juigaku Zasshi** 40(6):749–53, Dec 78

SECRETION

[The regulation of secretions by ions screened in vivo through a nutritional model and its impact on thyroidal iodine metabolism (proceedings) (author's transl)] Triantaphyllidis H. **Ann Endocrinol (Paris)** 39(3):241–2, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Toxicity of Leucaena leucocephala. The effect of iodine and mineral supplements on penned steers fed a sole diet of Leucaena. Jones RJ, et al. **Aust Vet J** 54(8):387–92, Aug 78

Coma secondary to apathetic thyrotoxicosis. Serri O, et al. **Can Med Assoc J** 119(6):605–7, 23 Sep 78

Prevention of postextraction bacteremia by local prophylaxis. Jokinen MA. **Int J Oral Surg** 7(5):450–2, Oct 78

[The medical treatment of hyperthyroidism (author's transl)] Joly J, et al. **Chirurgie** 104(4):694–701, Jun 78 (Eng. Abstr.) **(Fre)**

URINE

Transient neonatal hypothyroidism [letter] Chabrolle JP, et al. **Pediatrics** 62(5):857, Nov 78

LONG-ACTING THYROID STIMULATOR

ANALYSIS

[Juvenile diabetes mellitus and autoimmunity] Tanae A. **Horumon To Rinsho** 26(9):881–8, Sep 78 **(Jpn)**

BLOOD

The role of thyroid stimulating immunoglobulins of Graves's disease in neonatal thyrotoxicosis. Munro DS, et al. **Br J Obstet Gynaecol** 85(11):837–43, Nov 78

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Estimation of thyroid stimulating immunoglobulins (TSI) by the radioreceptor method] Wasilewska A, et al. **Endokrynol Pol** 29(5):361–70, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

[Studies on the purification and the immunological properties of LATS-immunoglobulin (author's transl] Miyazaki T. **Nippon Naibunpi Gakkai Zasshi** 54(7):815–28, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Dandona P, et al. **Clin Endocrinol (Oxf)** 9(4):321–7, Oct 78

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

SECRETION

[Pathogenesis of Basedow's disease] Wuttke H. **Fortschr Med** 96(46):2325–8, 7 Dec 78 (Eng. Abstr.)**(Ger)**

PROTEIN-BOUND IODINE TEST

Thyroid activity in relation to reproductive performance of Surti buffalo heifers (Bubalus bubalis)--protein bound iodine. Vadodaria VP, et al. **Indian J Exp Biol** 16(9):986–8, Sep 78

Unresponsiveness to exogenous TSH in obesity. Schmitt T, et al. **Int J Obes** 1(2):185–90, 1977

Thyroid and obesity: survey of some function tests in a large obese population. Strata A, et al. **Int J Obes** 2(3):333–40, 1978

Basic isotope thyroid parameters in Zambia. Mikolajkow AT. **Med J Zambia** 11(6):158–9, Dec–Jan 78

Binding activity regulation of rabbit skeletal muscle adenosine 3'–5'–monophosphate–dependent protein kinases. Sobrino F, et al. **Rev Esp Fisiol** 34(3):285–9, Sep 78

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[Role of paraclinical methods in the early diagnosis of hereditary open-angle glaucoma] Kozlova LP, et al. **Oftalmol Zh** (6):443–6, 1978 (Eng. Abstr.) **(Rus)**

[Role of thyroid gland dysfunction in the pathogenesis and course of cerebral circulatory disorders] Buletsa BA, et al. **Zh Nevropatol Psikhiatr** 78(11):1614–6, 1978 (Eng. Abstr.) **(Rus)**

METHODS

[Thyroid function test by GammaCoat T3 uptake kit (author's transl)] Kinoshita F, et al. **Radioisotopes** 27(9):533–5, Sep 78 **(Jpn)**

[An evaluation of a T3 uptake test kit using solid phase method. -SPAC T3 uptake kit (author's transl)] Koizumi K, et al. **Radioisotopes** 27(9):536–8, Sep 78 **(Jpn)**

THYROXINE BINDING PROTEIN

Comparisons between serum concentrations of thyroxine and thyroxine-binding proteins in samples simultaneously obtained from capillary, peripheral vein, central vein and aorta in newborn infants. Jacobsen BB, et al. **Acta Paediatr Scand** 68(1):43–8, Jan 79

Serum concentrations of thyroxine-binding globulin, prealbumin and albumin in healthy fullterm, small-for-gestational age and preterm newborn infants. Jacobsen BB, et al. **Acta Paediatr Scand** 68(1):49–55, Jan 79

The mechanism of activation of human prothrombin by an activator isolated from Dispholidus typus venom. Guillin MC, et al. **Biochim Biophys Acta** 537(1):160–8, 20 Nov 78

Thyroxine-protein interactions. Binding constants for interaction of thyroxine analogues with the thyroxine binding site on human thyroxine-binding globulin. Tabachnick M, et al. **Biochim Biophys Acta** 537(1):169–75, 20 Nov 78

Human thyroxine-binding globulin. Isolation and chemical properties—III. Some recent results and trends. Hocman G. **Int J Biochem** 9(9):639–46, 1978 (36 ref.)

ANALYSIS

Comparisons between serum concentrations of thyroxine and thyroxine-binding proteins in samples simultaneously obtained from capillary, peripheral vein, central vein and aorta in newborn infants. Jacobsen BB, et al. **Acta Paediatr Scand** 68(1):43–8, Jan 79

Serum concentrations of thyroxine-binding globulin, prealbumin and albumin in healthy fullterm, small-for-gestational age and preterm newborn infants. Jacobsen BB, et al. **Acta Paediatr Scand** 68(1):49–55, Jan 79

Thyroid function tests [letter] Sheridan P, et al. **Br Med J** 2(6145):1162, 21 Oct 78

Measurement of serum thyroxine-binding capacity. Seligson H, et al. **Clin Chim Acta** 89(1):47–58, 2 Oct 78

[Rapid method of quantitative evaluation of serum thyroxine binding globulin (TBG)] Paulin R, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):240–5, 1978 (Eng. Abstr.) **(Fre)**

[Preliminary results of a new radioimmunoassay for thyroxine binding globulin (T.B.G.) (author's transl)] Bisset JP, et al. **Nouv Presse Med** 7(32):2841–4, 23 Sep 78 (Eng. Abstr.) **(Fre)**

[The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Ikeda H. **Nippon Naibunpi Gakkai Zasshi** 54(9):1016–29, 20 Sep 78 **(Jpn)**

[Normal values of total thyroxine and the index of binding of I-125 labeled triiodothyronine in healthy children] Koehler B, et al. **Pol Tyg Lek** 33(47):1827–9, 20 Nov 78 (Eng. Abstr.) **(Pol)**

DEFICIENCY

Familial low thyroxine-binding globulin capacity. Daugbjerg PS, et al. **Dan Med Bull** 25(6):257–60, Dec 78

[Case of diabetes insipidus with thyroxine binding globulin deficiency] Maesaka H, et al. **Horumon To Rinsho** 26(11):1208–13, Nov 78 **(Jpn)**

ISOLATION & PURIFICATION

Human thyroxine-binding globulin. Isolation and chemical properties—III. Some recent results and trends. Hocman G. **Int J Biochem** 9(9):639–46, 1978 (36 ref.)

METABOLISM

Clinical value of total T4 and T3 determinations in patients with suspect hyperthyroidism before and after correction for binding proteins. Kallner G, et al. **Acta Med Scand** 204(5):369–73, 1978

Serum inhibitors of desialylated glycoprotein binding to hepatocyte membranes. Marshall JS, et al. **Biochim Biophys Acta** 543(1):41–52, 21 Sep 78

Estimation of plasma thyroxine concentration in ducks in relation to different environmental and experimental conditions. Astier HS, et al. **Experientia** 34(9):1228–30, 15 Sep 78

Thyroxine-binding proteins of duck and chicken sera. Castay M, et al. **Gen Comp Endocrinol** 35(4):491–5, Aug 78

Human thyroxine-binding globulin. Isolation and chemical properties—III. Some recent results and trends. Hocman G. **Int J Biochem** 9(9):639–46, 1978 (36 ref.)

ADRENAL

I. Physical and Functional Aspects

ADRENAL CORTEX

Isolation and characterization of cyclic AMP-resistant variants from a functional adrenal cortical cell line. Masui H, et al. **Exp Cell Res** 117(1):219–30, Nov 78

[Autoimmune polyendocrinopathy with IGA deficiency] Schwarz U, et al. **Schweiz Med Wochenschr** 108(48):1912–3, 2 Dec 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Changes in the adrenal cortex during adaptation to different regimes of motor activity] Seene TP, et al. **Fiziol Zh SSSR** 64(10):1444–50, Oct 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Video scanning for determination of the proportion of cortical tissue in the avian adrenal gland. Vestergaard K, et al. **Acta Vet Scand** 19(3):331–40, 1978

CYTOLOGY

N,N-diethyl-4-aminoazobenzene (DEAB): acute actions with respect to possible carcinogenicity as well as the role of solvents. Morphological and pharmacological investigations. Danz M, et al. **Exp Pathol (Jena)** 16(1–6):245–53, 1978

A possible short-term prediction of potential carcinogenicity of chemical compounds in vivo by means of a promoting activity test (PAT). Danz M, et al. **Exp Pathol (Jena)** 16(1–6):109–20, 1978

[Autoradiographic study of proliferative activity and cell migration in the adrenal cortex in fetal and neonatal rats] Bertholet JY, et al. **C R Acad Sci [D] (Paris)** 287(5):519–22, 18 Sep 78 (Eng. Abstr.) **(Fre)**

[Change in the specific functions of cells under the influence of antibodies] Zaĭchik ASh. **Tsitologiia** 20(9):1070–4, Sep 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1–15, Mar 78

Effects of althesin and ketamine on resting and stress stimulated adrenocortical activity in rats. Nisticò G, et al. **Br J Anaesth** 50(9):891–7, Sep 78

N,N-diethyl-4-aminoazobenzene (DEAB): acute actions with respect to possible carcinogenicity as well as the role of solvents. Morphological and pharmacological investigations. Danz M, et al. **Exp Pathol (Jena)** 16(1–6):245–53, 1978

A possible short-term prediction of potential carcinogenicity of chemical compounds in vivo by means of a promoting activity test (PAT). Danz M, et al. **Exp Pathol (Jena)** 16(1–6):109–20, 1978

The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67–94. Fuxe K, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Analysis of sodium fluoride enhancement of calcitonin stimulation of renal cortical adenylate cyclase. Queener SF, et al. **J Biol Chem** 253(24):9033–40, 25 Dec 78

Effects of sodium nitroprusside and ascorbic acid on rat adrenocortical cell cGMP levels and steroidogenesis. Laychock SG, et al. **J Cyclic Nucleotide Res** 4(5):335–44, Oct 78

Stimulation of adrenal 5-ene,3beta-hydroxysteroid dehydrogenase by corticotrophin in vitro. Loveridge N, et al. **J Endocrinol** 78(3):457–8, Sep 78

Cultured adrenocortical cells in various states of differentiation: electron microscopic characterization and ultrastructural response to adrenocorticotrophin. Slavinski-Turley EA, et al. **J Endocrinol** 78(3):427–34, Sep 78

Pregnancy and progeny in rats treated with prostaglandin in F2alpha. Persaud TV, et al. **Prostaglandins Med** 1(1):23–30, Jul 78

[Corticotropic function of the pituitary gland in Cushing's syndrome treated with chloditane] Slavnov VN, et al. **Ter Arkh** 50(11):72–5, 1978 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Ultrastructural studies on the prenatal development of the rat adrenal cortex. Magalhães MM, et al. **J Ultrastruct Res** 64(2):115–23, Aug 78

[Autoradiographic study of proliferative activity and cell migration in the adrenal cortex in fetal and neonatal rats] Bertholet JY, et al. **C R Acad Sci [D] (Paris)** 287(5):519–22, 18 Sep 78 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

The role of protein kinases in ACTH-stimulated steroidogenesis. Hofmann K, et al.
Biochem Biophys Res Commun 84(4):1136–43, 30 Oct 78

Inhibition of bovine adrenocortical adenylate cyclase activity by adenosine. Glynn P, et al. **Biochim Biophys Acta** 526(2):605–12, 12 Oct 78

Bovine adrenocortical microsomal hydroxylase and thermotropic transition. Substrate-cytochrome P-450 binding reaction versus substrate hydroxylation. Narasimhulu S. **Biochim Biophys Acta** 544(2):381–93, 1 Dec 78

Biosynthesis of pregnenolone from cholesterol by mitochondrial enzymes of bovine adrenal cortex. The question of the participation of the 20(22)-olefins and 20, 22-epoxides of cholesterol. Teicher BA, et al.
Eur J Biochem 91(1):11–9, 2 Nov 78

Analysis of sodium fluoride enhancement of calcitonin stimulation of renal cortical adenylate cyclase. Queener SF, et al. **J Biol Chem** 253(24):9033–40, 25 Dec 78

A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). Tähkä KM. **J Reprod Fertil** 54(1):57–66, Sep 78

GROWTH & DEVELOPMENT

A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). Tähkä KM. **J Reprod Fertil** 54(1):57–66, Sep 78

[Autoradiographic study of proliferative activity and cell migration in the adrenal cortex in fetal and neonatal rats] Bertholet JY, et al. **C R Acad Sci [D] (Paris)** 287(5):519–22, 18 Sep 78 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

[Change in the specific functions of cells under the influence

of antibodies] Zaĭchik ASh. **Tsitologiia** 20(9):1070–4, Sep 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Adrenocortical metabolism of angiotensin in sheep with adrenal transplants. Lun S, et al. **Am J Physiol** 235(5):E525–31, Nov 78

Pregnenolone sulfate binding in the guinea pig adrenal cortex: comparison with pregnenolone binding. Strott CA, et al. **Biochemistry** 17(21):4557–63, 17 Oct 78

Effects of seasonal availability of sodium and potassium on the adrenal cortical function of a wild population of snowshoe hares, Lepus americanus. Smith MC, et al. **Can J Zool** 56(8):1869–76, Aug 78

The occurrence of steroid-free, 'activated' estrogen receptor in target cell nuclei. Jungblut PW, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1259–68, Oct 78

Effects of sodium nitroprusside and ascorbic acid on rat adrenocortical cell cGMP levels and steroidogenesis. Laychock SG, et al. **J Cyclic Nucleotide Res** 4(5):335–44, Oct 78

Stimulation of adrenal 5-ene,3beta-hydroxysteroid dehydrogenase by corticotrophin in vitro. Loveridge N, et al. **J Endocrinol** 78(3):457–8, Sep 78

Studies of cholesterol binding in the soluble fraction of the adrenal cortex of the guinea pig. Strott CA, et al. **J Steroid Biochem** 9(8):721–30, Aug 78

Prostacyclin: a potent stimulator of adrenal steroidogenesis. Ellis EF, et al. **Prostaglandins** 16(4):483–90, Oct 78

[Angiotensin receptor regulation (proceedings) (author's transl)] Devynck MA, et al. **Ann Endocrinol (Paris)** 39(3):215–6, 1978 (Eng. Abstr.) **(Fre)**

[Morphologic study of rat adrenals following flight aboard biosatellites 'Cosmos-605' and 'Cosmos-782'] Savina EA. **Arkh Anat Gistol Embriol** 75(9):30–6, Sep 78 (Eng. Abstr.) **(Rus)**

[Changes in the ultrastructure and functional parameters of rat adrenal cortex cells in the course of reparative regeneration] Vakulin GM, et al. **Tsitol Genet** 12(5):402–8, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Stress response and its relationship to cystic (pseudofollicular) change in the definitive cortex of the adrenal gland in stillborn infants. de Sa DJ. **Arch Dis Child** 53(10):769–76, Oct 78

The occurrence of steroid-free, 'activated' estrogen receptor in target cell nuclei. Jungblut PW, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1259–68, Oct 78

[Clinico-pathological study of acute paraquat poisoning (author's transl)] Sohtome S. **Rinsho Byori** 26(10):888–92, Oct 78 **(Jpn)**

[Changes in the adrenal cortex during adaptation to different regimes of motor activity] Seene TP, et al. **Fiziol Zh SSSR** 64(10):1444–50, Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Bovine adrenocortical microsomal hydroxylase and thermotropic transition. Substrate-cytochrome P-450 binding reaction versus substrate hydroxylation. Narasimhulu S. **Biochim Biophys Acta** 544(2):381–93, 1 Dec 78

Effects of althesin and ketamine on resting and stress stimulated adrenocortical activity in rats. Nisticò G, et al. **Br J Anaesth** 50(9):891–7, Sep 78

Effects of seasonal availability of sodium and potassium on the adrenal cortical function of a wild population of snowshoe hares, Lepus americanus. Smith MC, et al. **Can J Zool** 56(8):1869–76, Aug 78

Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Tureková L, et al. **Endocrinol Exp (Bratisl)** 12(3):171–8, Sep 78

A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). Tähkä KM. **J Reprod Fertil** 54(1):57–66, Sep 78

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223–32, Sep 78

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Changes in the adrenal cortex during adaptation to different regimes of motor activity] Seene TP, et al. **Fiziol Zh SSSR** 64(10):1444–50, Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Tureková L, et al. **Endocrinol Exp (Bratisl)** 12(3):171–8, Sep 78

[Biochemical indices of the adrenal cortex function in chronic calculous cholecystitis in middle-aged and old patients] Ashrafov AA. **Klin Khir** (10):27–30, Oct 78 (Eng. Abstr.) **(Rus)**

[Degree and frequency of activation of different adrenal cortex functions in diabetes mellitus patients] Bezverkhaia TP. **Probl Endokrinol (Mosk)** 24(6):31–5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Adrenal scintigraphy] Ducassou D, et al. **J Radiol Electrol Med Nucl** 59(6–7):430, Jun-Jul 78 **(Fre)**

SECRETION

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1–15, Mar 78

Middle-altitude edema and aldosterone [letter] Wiltner W, et al. **JAMA** 241(4):360, 26 Jan 79

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

ULTRASTRUCTURE

Investigations on the turnover of adrenocortical mitochondria. XII. Studies on the mechanism of the ACTH-induced elongation of the half-life of rat zona fasciculata mitochondria. Nussdorfer GG, et al. **Anat Rec** 192(3):435–40, Nov 78

Stress response and its relationship to cystic (pseudofollicular) change in the definitive cortex of the adrenal gland in stillborn infants. de Sa DJ. **Arch Dis Child** 53(10):769–76, Oct 78

Light and electron microscopic studies of intramitochondrial bodies in bovine adrenocortical cells by proteolytic digestion. Kai O, et al. **Histochemistry** 57(3):217–21, 15 Sep 78

Cultured adrenocortical cells in various states of differentiation: electron microscopic characterization and ultrastructural response to adrenocorticotrophin. Slavinski-Turley EA, et al. **J Endocrinol** 78(3):427–34, Sep 78

Ultrastructural studies on the prenatal development of the rat adrenal cortex. Magalhães MM, et al. **J Ultrastruct Res** 64(2):115–23, Aug 78

Pregnancy and progeny in rats treated with prostaglandin in F2alpha. Persaud TV, et al. **Prostaglandins Med** 1(1):23–30, Jul 78

[Changes in the ultrastructure and functional parameters of rat adrenal cortex cells in the course of reparative regeneration] Vakulin GM, et al. **Tsitol Genet** 12(5):402–8, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

ADRENAL CORTEX FUNCTION TESTS

[Combination of a hormonally active adrenal tumor with hypertensive disease of the kidneys] Gerasimenko PP. **Kardiologiia** 18(11):51–7, Nov 78 (Eng. Abstr.) **(Rus)**

ADRENAL GLANDS

[Echotomography of the normal adrenal gland] Plainfossé MC, et al. **J Radiol Electrol Med Nucl** 59(6-7):429-30, Jun-Jul 78 **(Fre)**

[New radiological procedures as mirrored in the professional press] **Roentgenpraxis** 31(11):257-60, Nov 78 **(Ger)**

[Massive hemorrhage into the paranephric cellular tissue as a consequence of a thromboembolism of the superior branch of the renal artery] Aivazian AV. **Urol Nefrol (Mosk)** (6):62-3, Nov-Dec 78 **(Rus)**

ANALYSIS

Immunohistochemical demonstration of an adrenal ferredoxin-like iron-sulfur protein in rat hepatic mitochondria. Kapke GF, et al. **J Biol Chem** 253(23):8604-8, 10 Dec 78

[Experimental studies of the distribution of intravenously injected iodine-labeled cytonal (diethylstilbestrol diphosphate)] Mende T, et al. **Z Urol Nephrol** 71(8):529-34, Aug 78 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Video scanning for determination of the proportion of cortical tissue in the avian adrenal gland. Vestergaard K, et al. **Acta Vet Scand** 19(3):331-40, 1978

The sympathico-adrenomedullary system and non-shivering thermogenesis in Perodicticus potto (Prosimii, Lorisidae, Lorisinae). Goffart M, et al. **Comp Biochem Physiol [C]** 61C(1):189-201, 1978

Growth stimulation following serum transfer from carcinogen-treated donors to normal rats: a new aspect of early carcinogen actions. Danz M, et al. **Exp Pathol (Jena)** 16(1-6):23-35, 1978

Evidence for the involvement of corticosterone in the ontogeny of the cellular immune apparatus of the mouse. van Dijk H, et al. **Immunology** 35(4):637-42, Oct 78

Hippocampal aging and adrenocorticoids: quantitative correlations. Landfield PW, et al. **Science** 202(4372):1098-102, 8 Dec 78

[Effects of chronic experimental intoxication with benzene and ethylene vapors on the pituitary-adrenal system] Przybyłowski J, et al. **Endokrynol Pol** 29(5):399-406, Sep-Oct 78 (Eng. Abstr.) **(Pol)**

[The spleen and adrenal glands of guinea pigs experimentally infected with lethal doses of Ascaris lumbricoides suis] Zembrzuski K. **Wiad Parazytol** 24(4):419-23, 1978 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

Freeze-etching images of capillary endothelial pores in the liver, thyroid and adrenal of the mouse. Ishimura K, et al. **Arch Histol Jpn** 41(2):187-93, Apr 78

[Adrenaline and noradrenaline concentration in blood of suprarenal and renal vein in man with normal blood pressure and with essential hypertension (author's transl)] Planz G, et al. **Klin Wochenschr** 56(22):1109-12, 15 Nov 78 (Eng. Abstr.) **(Ger)**

[Arteriographic findings in adrenal metastases (author's transl)] Hoevels J, et al. **ROEFO** 129(4):460-9, Oct 78 (Eng. Abstr.) **(Ger)**

[Multiple phaeochomocytomas (author's transl)] Schindler G, et al. **ROEFO** 129(4):454-60, Oct 78 (Eng. Abstr.) **(Ger)**

[Supra renal metastases. The rôle of angiography (author's transl)] Sörensen R, et al. **ROEFO** 129(4):470-5, Oct 78 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Adenosine 3':5'-cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Bing RF, et al. **Biochem J** 176(1):39-45, 15 Oct 78

DRUG EFFECTS

Metabolic and cardiovascular responses to prolonged noradrenaline load and their antagonism by beta blockade in the rat. Harri MN. **Acta Physiol Scand** 104(4):402-14, Dec 78

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210-8, Nov 78

Plasma catecholamines during equipotent anaesthesia with cyclopropane and halothane-N2O in man. Stokke DB, et al. **Anaesthesist** 27(10):469-74, Oct 78

The role of protein kinases in ACTH-stimulated steroidogenesis. Hofmann K, et al. **Biochem Biophys Res Commun** 84(4):1136-43, 30 Oct 78

Adenosine 3':5'-cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Bing RF, et al. **Biochem J** 176(1):39-45, 15 Oct 78

Effect of corticotropin treatment in vivo on the synthesis of a specific adrenal cytosolic protein. Characterization by dual-labelling technique and polyacrylamide-gel electrophoresis. Dazord A, et al. **Biochem J** 176(1):233-9, 15 Oct 78

Control of sterol metabolism in rat adrenal mitochondria. Mason JI, et al. **Biochem J** 174(3):1045-51, 15 Sep 78

Interaction of metyrapone with adrenal microsomal cytochrome P450 in the guinea pig. Greiner JW, et al. **Biochem Pharmacol** 27(17):2147-51, 1978

On the role of intra-adrenal unesterified cholesterol in the steroidogenic effect of corticotropin. Farese RV, et al. **Biochim Biophys Acta** 544(1):77-84, 15 Nov 78

The effect of some centrally active drugs on corticosterone secretion and metabolism in rats. Chan MY, et al. **Clin Exp Pharmacol Physiol** 5(6):641-7, Nov-Dec 78

An examination of possible mechanisms of angiotensin II-stimulated steroidogenesis. Douglas J, et al. **Endocr Res Commun** 5(2):173-88, 1978

cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri) Chavin W, et al. **Gen Comp Endocrinol** 35(4):445-50, Aug 78

Influences of op'DDD, op'DDE and solubilization procedures on the in vitro biosynthesis of 18-hydroxycorticosterone and aldosterone by sheep adrenals. Touitou Y, et al. **Int J Biochem** 9(9):691-5, 1978

Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. Andersen JM, et al. **J Biol Chem** 253(24):9024-32, 25 Dec 78

Renin 1978. Peart WS. **Johns Hopkins Med J** 143(6):193-206, Dec 78 (161 ref.)

Effects of ionophore A23187 on in vitro rat adrenal corticosterone production. Lymangrover JR, et al. **Life Sci** 23(11):1193-9, 18 Sep 78

Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Schreiber V, et al. **Physiol Bohemoslov** 27(6):505-13, 1978

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257-67, Sep 78

[Influence of haloperidol on the 3H-leucine incorporation in incretory organs of the mouse (author's transl)] Lange E, et al. **Zentralbl Allg Pathol** 122(5):496-501, 1978 (Eng. Abstr.) **(Ger)**

[Quantitative morphological studies on the zona glomerulosa of the rat adrenal gland. II. Effect of potassium and heparin on the zona glomerulosa] Lustyik G, et al. **Morphol Igazsagugyi Orv Sz** 18(3):211-9, Jul 78 (Eng. Abstr.) **(Hun)**

[Constant and intermittent inhalatory effects of sevin on body regulatory systems in animals] Burkatskaia EN, et al. **Gig Tr Prof Zabol** (11):19-22, Oct 78 (Eng. Abstr.) **(Rus)**

[Use of Hyperstat for arresting hypertensive crises] Golikov AP, et al. **Kardiologiia** 18(11):96-102, Nov 78 (Eng. Abstr.) **(Rus)**

[Functional changes in the sympathetic-adrenal system under anesthesia in children with stomatological diseases] Kolesov DV, et al. **Stomatologiia (Mosk)** 57(6):60-3, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Contents of catecholamines and corticosteroids in tissues of quinea pigs with C-hypovitaminosis] Lesnykh LD, et al. **Ukr Biokhim Zh** 50(5):592-5, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

[Effect of naphthenic hydrocarbons from Naftalan petroleum and their fractions on the catecholamine level in the blood] Kuliev AKh, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):52-4, Nov-Dec 78 **(Rus)**

EMBRYOLOGY

Inhibition of fetal adrenal 21-hydroxylase by naturally occurring steroids. Yoshida N, et al. **Endocrinol Jpn** 25(4):349-53, Aug 78

The primate fetal pituitary-adrenal axis in the perinatal period. Jaffee RB, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:58-64, 1978

[Adrenal gland growth of the ovine fetus in the end of gestation: evolution of DNA and of membrane proteins] Durand P, et al. **C R Acad Sci [D] (Paris)** 287(4):297-300, 11 Sep 78 (Eng. Abstr.) **(Fre)**

ADRENAL

ENZYMOLOGY

A simple and specific radioenzymatic assay for measurement of urinary normetanephrine. Vlachakis ND, et al. **Biochem Med** 20(1):107–14, Aug 78

Interaction of metyrapone with adrenal microsomal cytochrome P450 in the guinea pig. Greiner JW, et al. **Biochem Pharmacol** 27(17):2147–51, 1978

Adrenal tyrosine hydroxylase activity in the ground squirrel--effect of cold and arousal from hibernation. Petrović VM, et al. **Comp Biochem Physiol [C]** 61C(1):99–101, 1978

The postnatal development of microsomal expoxide hydrase, cytosolic glutathione S-transferase, and mitochondrial and microsomal cytochrome P-450 in adrenals and ovaries of female rats. Mukhtar H, et al. **Drug Metab Dispos** 6(5):577–83, Sep–Oct 78

Inhibition of fetal adrenal 21-hydroxylase by naturally occurring steroids. Yoshida N, et al. **Endocrinol Jpn** 25(4):349–53, Aug 78

Inhibition of dimethyltryptamine biosynthesis by N,N'-bis-(3-methyl-2-thiazolidinylidene)succinamide (I) and 2-imino-3-methylthiazolidine (II). Mandel LR, et al. **Mol Pharmacol** 14(5):930–9, Sep 78

GROWTH & DEVELOPMENT

The postnatal development of microsomal expoxide hydrase, cytosolic glutathione S-transferase, and mitochondrial and microsomal cytochrome P-450 in adrenals and ovaries of female rats. Mukhtar H, et al. **Drug Metab Dispos** 6(5):577–83, Sep–Oct 78

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

IMMUNOLOGY

Immunoperoxidase stains cortisol in adrenal and pituitary. Dornhorst A, et al. **J Histochem Cytochem** 26(11):909–13, Nov 78

METABOLISM

Spontaneous motor activity and catecholamines in suprarenals of rats after mexamine [proceedings] Tikal K. **Act Nerv Super (Praha)** 20(2):159–60, 1978

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):737–43, Dec 78

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210–8, Nov 78

Synthesis of chromogranins and dopamine beta-hydroxylase by perfused bovine adrenal glands. Ledbetter FH, et al. **Am J Physiol** 235(5):E475–86, Nov 78

The role of protein kinases in ACTH-stimulated steroidogenesis. Hofmann K, et al. **Biochem Biophys Res Commun** 84(4):1136–43, 30 Oct 78

Adenosine 3':5'-cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Bing RF, et al. **Biochem J** 176(1):39–45, 15 Oct 78

Effect of corticotropin treatment in vivo on the synthesis of a specific adrenal cytosolic protein. Characterization by dual-labelling technique and polyacrylamide-gel electrophoresis. Dazord A, et al. **Biochem J** 176(1):233–9, 15 Oct 78

Control of sterol metabolism in rat adrenal mitochondria. Mason JI, et al. **Biochem J** 174(3):1045–51, 15 Sep 78

On the role of intra-adrenal unesterified cholesterol in the steroidogenic effect of corticotropin. Farese RV, et al. **Biochim Biophys Acta** 544(1):77–84, 15 Nov 78

Pregnancy maintenance and progesterone concentrations in the musk shrew, Suncus murinus (order: Insectivora). Hasler MJ, et al. **Biol Reprod** 19(2):407–13, Sep 78

Short-term stressor effects of reserpine. Freeman BM, et al. **Br Poult Sci** 19(5):623–30, Sep 78

An examination of possible mechanisms of angiotensin II-stimulated steroidogenesis. Douglas J, et al. **Endocr Res Commun** 5(2):173–88, 1978

cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri) Chavin W, et al. **Gen Comp Endocrinol** 35(4):445–50, Aug 78

31P magnetic resonance of intact endocrine tissue: adrenal glands of dogs. Glonek T, et al. **Horm Metab Res** 10(5):420–4, Sep 78

Influences of op'DDD, op'DDE and solubilization procedures on the in vitro biosynthesis of 18-hydroxycorticosterone and aldosterone by sheep adrenals. Touitou Y, et al. **Int J Biochem** 9(9):691–5, 1978

Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. Andersen JM, et al. **J Biol Chem** 253(24):9024–32, 25 Dec 78

The participation of a second molecule of adrenodoxin in cytochrome P-450-catalyzed 11beta hydroxylation. Seybert DW, et al. **J Biol Chem** 253(23):8355–8, 10 Dec 78

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311–21, Aug 78

Postnatal endocrine dysfunction induced by prenatal methylmercury or cadmium exposure in mice. Grady RR, et al. **J Environ Pathol Toxicol** 1(3):187–97, Jan–Feb 78

Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea-pig adrenals. Patwardhan VV, et al. **J Steroid Biochem** 6(10):1451–4, Oct 75

Androgens in testes and adrenal glands of the fetal pig. Segal DH, et al. **J Steroid Biochem** 6(10):1439–44, Oct 75

Effects of ionophore A23187 on in vitro rat adrenal corticosterone production. Lymangrover JR, et al. **Life Sci** 23(11):1193–9, 18 Sep 78

The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257–67, Sep 78

[Contents of catecholamines and corticosteroids in tissues of quinea pigs with C-hypovitaminosis] Lesnykh LD, et al. **Ukr Biokhim Zh** 50(5):592–5, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Computed tomography in adrenal tumors. Dunnick NR, et al. **AJR** 132(1):43–6, Jan 79

Blunt trauma to an adrenal cyst producing abdominal pain and anemia. Aronsohn RS, et al. **Am Surg** 44(9):605–9, Sep 78

[Morphologic study of rat adrenals following flight aboard biosatellites 'Cosmos-605' and 'Cosmos-782'] Savina EA. **Arkh Anat Gistol Embriol** 75(9):30–6, Sep 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Thymic epithelial injury in graft-versus-host reactions following adrenalectomy. Seemayer TA, et al. **Am J Pathol** 93(2):325–38, Nov 78

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210–8, Nov 78

An inhibitory role for the adrenals in the cardiovascular effects of propranolol in the spontaneously hypertensive rat [proceedings] De Jong W, et al. **Br J Pharmacol** 64(3):391P–392P, Nov 78

The adrenal rhythm and puberty onset in the female rat. Ramaley JA. **Life Sci** 23(21):2079–87, 20 Nov 78 (37 ref.)

An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Milewicz A. **Mater Med Pol** 10(3):214–7, Jul–Sep 78

Arterial and venous catecholamine responses to passive orthostatic stimulation. Badder EM, et al. **Surg Forum** 28:115–8, 1977

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

The primate fetal pituitary-adrenal axis in the perinatal period. Jaffee RB, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:58–64, 1978

[Adrenal and plasma catecholamines levels in the edible frog under various physiological conditions (proceedings) (author's transl)] Bourgeois P, et al. **Ann Endocrinol (Paris)** 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**

[Comparative study of gastric glands following vagotomy, adrenal--and gonadectomy] Turevskii AA, et al. **Fiziol Zh SSSR** 64(9):1278–82, Sep 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Adrenal function and passive immunity in the dystocial calf. Stott GH, et al. **J Dairy Sci** 61(10):1457–61, Oct 78

Pseudo-Cushing syndrome caused by alcohol in breast milk. Binkiewicz A, et al. **J Pediatr** 93(6):965–7, Dec 78

[Combination of a hormonally active adrenal tumor with

hypertensive disease of the kidneys] Gerasimenko PP. **Kardiologiia** 18(11):51–7, Nov 78 (Eng. Abstr.) **(Rus)**

[State of the sympathetic–adrenal system and renin activity in the blood in children with primary arterial hypertension in the process of beta–blockader treatment] Nebol'sina LI, et al. **Kardiologiia** 18(11):38–42, Nov 78 (Eng. Abstr.) **(Rus)**

[Disordered adaptation reactions of the sympathetic–adrenal system in thrombo–obliterative diseases] Ol'shanetskii AA, et al. **Klin Med (Mosk)** 56(11):97–101, Nov 78 **(Rus)**

RADIOGRAPHY

Computed tomography in adrenal tumors. Dunnick NR, et al. **AJR** 132(1):43–6, Jan 79

Computed tomography of the adrenal gland. Karstaedt N, et al. **Radiology** 129(3):723–30, Dec 78

[Computer–assisted axial tomography in the evaluation of adrenal glands: review of 42 cases] Lévesque HP, et al. **Union Med Can** 107(11):1063–9, Nov 78 (Eng. Abstr.) **(Fre)**

[Computer–tomographic studies of the retroperitoneal space] Friedmann G, et al. **Internist (Berlin)** 19(10):586–93, Oct 78 **(Ger)**

RADIONUCLIDE IMAGING

Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282–6, Jul 78

Scintigraphy of hyperfunctioning adrenal tissue after total adrenalectomy. Jakubowski W, et al. **Eur J Nucl Med** 3(4):239–41, 1978

SECRETION

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283–8, Sep 78

Synchronous episodic release of cortisol in the sheep. Fulkerson WJ. **J Endocrinol** 79(1):131–2, Oct 78

Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. **J Reprod Fertil** 54(1):153–7, Sep 78

[Dynamics of the sex hormone and progesterone level in the peripheral blood and their production by the gonads and adrenals in postnatal ontogeny in silver foxes] Krass PM, et al. **Ontogenez** 9(6):576–83, 1978 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. **J Reprod Fertil** 54(1):153–7, Sep 78

ULTRASTRUCTURE

Effect of corticotropin treatment in vivo on the synthesis of a specific adrenal cytosolic protein. Characterization by dual–labelling technique and polyacrylamide–gel electrophoresis. Dazord A, et al. **Biochem J** 176(1):233–9, 15 Oct 78

Three–way observations of the identical cell structures within the same sections by light microscopy, HVEM and SEM. Watari N, et al. **J Electron Microsc (Tokyo)** 26 Suppl:343–6, 1977

A pathologic study of Escherichia coli shock in the baboon and the response to adrenocorticosteroid treatment. Coalson JJ, et al. **Surg Gynecol Obstet** 147(5):726–36, Nov 78

[Quantitative morphological studies on the zona glomerulosa of the rat adrenal gland. II. Effect of potassium and heparin on the zona glomerulosa] Lustyik G, et al. **Morphol Igazsagugyi Orv Sz** 18(3):211–9, Jul 78 (Eng. Abstr.) **(Hun)**

[Quantitative morphological studies on the zoma glomerulosa of the rat adrenal gland. I. Basic principles of stereology] Lustyik G, et al. **Morphol Igazsagugyi Orv Sz** 18(3):204–10, Jul 78 (Eng. Abstr.) **(Hun)**

ADRENALECTOMY

Thymic epithelial injury in graft–versus–host reactions following adrenalectomy. Seemayer TA, et al. **Am J Pathol** 93(2):325–38, Nov 78

Systemic absorption of bacitracin after peritoneal lavage. Ericsson CD, et al. **Am J Surg** 137(1):65–7, Jan 79

Inflammatory carcinoma of the breast. A therapeutic approach followed by improved survival. Pollak EW, et al. **Am J Surg** 136(6):722–5, Dec 78

Cerebral metabolism of glucose in adrenalectomized rats: effect of treatment with L–DOPA and a monoamine oxidase inhibitor. Tyce GM, et al. **Brain Res** 158(2):466–9, 15 Dec 78

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Unilateral adrenalectomy and pituitary irradiation in the treatment of ACTH–dependent Cushing's disease in children and adolescents. Landau B, et al. **Clin Endocrinol (Oxf)** 9(3):221–6, Sep 78

New directions in the treatment of breast cancer: hormone–binding receptors. Katz ME. **Conn Med** 42(12):761–5, Dec 78

Scintigraphy of hyperfunctioning adrenal tissue after total adrenalectomy. Jakubowski W, et al. **Eur J Nucl Med** 3(4):239–41, 1978

The occurrence of steroid–free, 'activated' estrogen receptor in target cell nuclei. Jungblut PW, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1259–68, Oct 78

Evidence for the involvement of corticosterone in the ontogeny of the cellular immune apparatus of the mouse. van Dijk H, et al. **Immunology** 35(4):637–42, Oct 78

Platelets and physiological defense mechanisms. pp. 161–97. Copley AL.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (88 ref.)

An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Milewicz A. **Mater Med Pol** 10(3):214–7, Jul–Sep 78

Adrenal insufficiency in surgical fields. Nagase M, et al. **Nippon Geka Hokan** 47(5):612–23, 1 Sep 78

Evidence for rhythmic variation of cortisol metabolism in adrenalectomized primates. Aun F, et al. **Surg Forum** 28:112–5, 1977

Arterial and venous catecholamine responses to passive orthostatic stimulation. Badder EM, et al. **Surg Forum** 28:115–8, 1977

Proestrous levels of LH and FSH subsequent to adrenalectomy the same morning. Castracane VD, et al. **Tex Rep Biol Med** 36:63–7, 1978

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

[A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1262–70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Comparative study of gastric glands following vagotomy, adrenal—and gonadectomy] Turevskii AA, et al. **Fiziol Zh SSSR** 64(9):1278–82, Sep 78 (Eng. Abstr.) **(Rus)**

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

[Changes in the ultrastructure and functional parameters of rat adrenal cortex cells in the course of reparative regeneration] Vakulin GM, et al. **Tsitol Genet** 12(5):402–8, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Effect of hormonal responses during stress on the level of metabolism with particular respect to glycogen content and phosphorylase activity in the liver of repeatedly injured rats (author's transl)] Németh S. **Bratisl Lek Listy** 70(4):449–58, Oct 78 (Eng. Abstr.) **(Slo)**

II. *Disorders of the Adrenal Glands*

ADDISON'S DISEASE

[Pregnancy and labor in Addison's disease] Flakiewicz-Kula A. **Ginekol Pol** 49(7):643-6, Jul 78 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Addisonian syndrome associated with treosulfan [letter] Prior J, et al. **Lancet** 2(8101):1207-8, 2 Dec 78

COMPLICATIONS

Hyponatremia an its management. de Torrenté A, et al. **Contrib Nephrol** 14:142-54, 1978

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523-6, 27 Oct 78 (26 ref.) **(Ger)**

[Calcium and phosphorus metabolism disorders in Cushing's syndrome and Addison's disease] Miyazaki T, et al. **Nippon Rinsho** 36(10):3385-91, Oct 78 **(Jpn)**

DIAGNOSIS

[A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1262-70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[Autoimmune polyendocrinopathy with IGA deficiency] Schwarz U, et al. **Schweiz Med Wochenschr** 108(48):1912-3, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[Pregnancy and labor in Addison's disease] Flakiewicz-Kula A. **Ginekol Pol** 49(7):643-6, Jul 78 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93-8, Jun 78 **(Fre)**

PHYSIOPATHOLOGY

[A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1262-70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Pregnancy and labor in Addison's disease] Flakiewicz-Kula A. **Ginekol Pol** 49(7):643-6, Jul 78 (Eng. Abstr.) **(Pol)**

ADENOMA, VIRILIZING

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

PATHOLOGY

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

Virilizing adrenal rest tumor of the ovary--a clinicomorphological study. Georgiev TN, et al. **Endokrynol Pol** 29(6):537-41, Nov-Dec 78

SECRETION

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

ADRENAL CORTEX DISEASES

DIAGNOSIS

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93-8, Jun 78 **(Fre)**

DRUG THERAPY

[Current trends in the treatment of the climacteric syndrome] Vikhliaeva EM. **Akush Ginekol (Mosk)** (10):63-7, 1978 (0 ref.) **(Rus)**

OCCURRENCE

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93-8, Jun 78 **(Fre)**

PATHOLOGY

Stress response and its relationship to cystic (pseudofollicular) change in the definitive cortex of the adrenal gland in stillborn infants. de Sa DJ. **Arch Dis Child** 53(10):769-76, Oct 78

ADRENAL CORTEX NEOPLASMS

BLOOD

o,p'-DDD (mitotane) therapy of adrenal cortical carcinoma: observations on drug dosage, toxicity, and steroid replacement. Hogan TF, et al. **Cancer** 42(5):2177-81, Nov 78

COMPLICATIONS

Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282-6, Jul 78

DIAGNOSIS

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710-25, Dec 78

[Non-secreting malignant adrenal cortex neoplasms (letter)] Lejonc JL, et al. **Nouv Presse Med** 7(35):3147, 14 Oct 78 **(Fre)**

DRUG THERAPY

o,p'-DDD (mitotane) therapy of adrenal cortical carcinoma: observations on drug dosage, toxicity, and steroid replacement. Hogan TF, et al. **Cancer** 42(5):2177-81, Nov 78

ENZYMOLOGY

Enzyme histochemical and electron microscopic study of a virilizing adrenocortical adenoma. Aiba M, et al. **Acta Pathol Jpn** 28(4):615-26, Jul 78

METABOLISM

Nonhormonal case of adrenal cortical carcinoma [letter] Constantopoulos A, et al. **Arch Dis Child** 53(10):827, Oct 78

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311-21, Aug 78

PATHOLOGY

[Non-secreting malignant adrenal cortex neoplasms (letter)]

Lejonc JL, et al. **Nouv Presse Med** 7(35):3147, 14 Oct 78 **(Fre)**

RADIONUCLIDE IMAGING

Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282–6, Jul 78

SECRETION

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

ULTRASTRUCTURE

Enzyme histochemical and electron microscopic study of a virilizing adrenocortical adenoma. Aiba M, et al. **Acta Pathol Jpn** 28(4):615–26, Jul 78

ADRENAL CORTICAL REST TUMOR

DRUG THERAPY

Fertility following treatment of adrenal rest tumor. Uehling DT. **Surg Forum** 28:580–2, 1977

ADRENAL GLAND DISEASES

CHEMICALLY INDUCED

Adrenal insufficiency secondary to massive corticomedullary junction hemorrhage following hypotension in three anticoagulated patients. Kuhajda FJ, et al. **Circ Shock** 5(3):291–7, 1978

COMPLICATIONS

Blunt trauma to an adrenal cyst producing abdominal pain and anemia. Aronsohn RS, et al. **Am Surg** 44(9):605–9, Sep 78

DIAGNOSIS

Adrenal hemorrhage in a newborn with Bechwith–Wiedemann syndrome. Pignatti CB, et al. **Am J Dis Child** 132(11):1142–3, Nov 78

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[Serum dopamine-beta-hydroxylase activity in endocrine disease and hypertension (author's transl)] Hara I. **Nippon Naibunpi Gakkai Zasshi** 54(11):1207–21, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Blunt trauma to an adrenal cyst producing abdominal pain and anemia. Aronsohn RS, et al. **Am Surg** 44(9):605–9, Sep 78

Neonatal adrenal abscess due to Bacteroides. Ohta S, et al. **J Pediatr** 93(6):1063–4, Dec 78

METABOLISM

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[Adrenocortical pathology in African blacks (apropos of 29 cases including 7 personal cases)] Sankalé M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):252–61, 1978 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Adrenal hemorrhage in a newborn with Bechwith–Wiedemann syndrome. Pignatti CB, et al. **Am J Dis Child** 132(11):1142–3, Nov 78

Blunt trauma to an adrenal cyst producing abdominal pain and anemia. Aronsohn RS, et al. **Am Surg** 44(9):605–9, Sep 78

RADIOGRAPHY

Computed tomography of the adrenal gland. Karstaedt N, et al. **Radiology** 129(3):723–30, Dec 78

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Adrenal gland scintigraphy--clinical experiences and indications] Zechmann W, et al. **Helv Chir Acta** 44(3):255–8, Jun 77 **(Ger)**

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

ADRENAL GLAND HYPERFUNCTION

[Case of congenital adrenal lipoid hyperplasia (Prader's syndrome)] Tokuhiro E, et al. **Horumon To Rinsho** 26(11):1197–202, Nov 78 **(Jpn)**

COMPLICATIONS

[Case of 21-OHlase deficient adrenal gland hyperplasia developing the initial symptoms of adrenal hypofunction with a salt-losing tendency at the 5th month of age] Nozaki Y, et al. **Horumon To Rinsho** 26(11):1189–96, Nov 78 **(Jpn)**

DIAGNOSIS

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

DRUG THERAPY

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392–6, 21 Dec 78

ETIOLOGY

HLA and congenital adrenal hyperplasia [letter] **Lancet** 2(8098):1046–7, 11 Nov 78

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

HLA and congenital adrenal hyperplasia [letter] **Lancet** 2(8098):1046–7, 11 Nov 78

[Detection of heterozygote of congenital adrenal hyperplasia] Saito Y, et al. **Horumon To Rinsho** 26(11):1126–9, Nov 78 **(Jpn)**

IMMUNOLOGY

HLA and congenital adrenal hyperplasia [letter] **Lancet** 2(8098):1046–7, 11 Nov 78

METABOLISM

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

[Autoradiographic investigations on the behaviour of connective tissue metabolism during aging and hormonal disorders (author's transl)] Kranz D. **Aktuel Gerontol** 8(11):595–600, Nov 78 (Eng. Abstr.) **(Ger)**

[Case of 21-OHlase deficient adrenal gland hyperplasia

developing the initial symptoms of adrenal hypofunction with a salt-losing tendency at the 5th month of age] Nozaki Y, et al. **Horumon To Rinsho** 26(11):1189-96, Nov 78 **(Jpn)**

OCCURRENCE

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93-8, Jun 78 **(Fre)**

[Adrenocortical pathology in African blacks (apropos of 29 cases including 7 personal cases)] Sankalé M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):252-61, 1978 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Histologic interpretation of cutaneous biopsies from dogs with dermatologic disorders. Rojko JL, et al. **Vet Pathol** 15(5):579-89, Sep 78

PHYSIOPATHOLOGY

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392-6, 21 Dec 78

[Case of congenital adrenal lipoid hyperplasia (Prader's syndrome)] Tokuhiro E, et al. **Horumon To Rinsho** 26(11):1197-202, Nov 78 **(Jpn)**

VETERINARY

Histologic interpretation of cutaneous biopsies from dogs with dermatologic disorders. Rojko JL, et al. **Vet Pathol** 15(5):579-89, Sep 78

ADRENAL GLAND HYPOFUNCTION

CHEMICALLY INDUCED

Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. Isarangkura M, et al. **J Med Assoc Thai** 61(11):647-50, Nov 78

COMPLICATIONS

[Physiopathological and symptomatic aspects of osmolar encephalopathies] Di Lollo F, et al. **Recenti Prog Med** 65(4):295-325, Oct 78 (117 ref.) (Eng. Abstr.) **(Ita)**

[The candida-endocrinopathy syndrome] Dučić V, et al. **Med Arh** 32(3):155-8, May-Jun 78 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118-22, 25 Nov 78

[A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1262-70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. Isarangkura M, et al. **J Med Assoc Thai** 61(11):647-50, Nov 78

[Management of adrenal gland insufficiency] Kley HK. **Hippokrates** 49(4):336-9, Nov 78 **(Ger)**

ETIOLOGY

Prostaglandins in hyporeninaemic hypoaldosteronism [letter] Hahn JA, et al. **Lancet** 2(8104-5):1379, 23-30 Dec 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118-22, 25 Nov 78

Adrenal insufficiency in surgical fields. Nagase M, et al. **Nippon Geka Hokan** 47(5):613-23, 1 Sep 78

[Hypothyroidism in the adult : clinical aspects and development] Linquette M, et al. **Rev Prat** 28(43):3269-72, 3277-8, 3281-2, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Case of 21-OHlase deficient adrenal gland hyperplasia developing the initial symptoms of adrenal hypofunction with a salt-losing tendency at the 5th month of age] Nozaki Y, et al. **Horumon To Rinsho** 26(11):1189-96, Nov 78 **(Jpn)**

IMMUNOLOGY

[Multi-organ specific autoimmunity in idiopathic adrenal insufficiency: autosensitization to steroid hormone-producing cells and antigens of the anterior pituitary gland (author's transl)] Ludwig H, et al. **Wien Klin Wochenschr** 90(20):736-41, 27 Oct 78 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93-8, Jun 78 **(Fre)**

[Adrenocortical pathology in African blacks (apropos of 29 cases including 7 personal cases)] Sankalé M, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):252-61, 1978 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118-22, 25 Nov 78

Adrenal insufficiency in surgical fields. Nagase M, et al. **Nippon Geka Hokan** 47(5):613-23, 1 Sep 78

[A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1262-70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

ADRENAL GLAND NEOPLASMS

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387-94, Sep 78

Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Chatterjee TK. **Med J Zambia** 11(6):167-9, Dec-Jan 78

ANALYSIS

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898-908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

BLOOD

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855-8, 1 Sep 78

[Adrenaline and noradrenaline concentration in blood of suprarenal and renal vein in man with normal blood pressure and with essential hypertension (author's transl)] Planz G, et al. **Klin Wochenschr** 56(22):1109-12, 15 Nov 78 (Eng. Abstr.) **(Ger)**

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355-69, Aug 78 (115 ref.) **(Spa)**

CHEMICALLY INDUCED

[Studies on the tumorigenic action of streptozotocin and on the physiologic responses to glucose loading in tumor-bearing rats (author's transl)] Yoshino G, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1070-8, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Pheochromocytoma: diagnosis and management. Pratt JH, et al. **J Indiana State Med Assoc** 71(11):1076-8, Nov 78

The hirsute female. Wahl TO, et al. **J Kans Med Soc** 79(12):673-7, Dec 78

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171-7, 1978 (Eng. Abstr.) **(Fre)**

[A very curious adrenal gland (letter)] Debré B, et al. **Nouv Presse Med** 7(33):2962, 30 Sep 78 **(Fre)**

DIAGNOSIS

A simple and specific radioenzymatic assay for measurement of urinary normetanephrine. Vlachakis ND, et al. **Biochem Med** 20(1):107–14, Aug 78

Phaeochromocytoma diagnosed during barium meal. Beggs I. **Br J Radiol** 51(611):918, Nov 78

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Acute cardiac toxicity of antineoplastic agents as the first manifestation of pheochromocytoma. DeAsis DN Jr, et al. **Cancer** 42(4):2005–8, Oct 78

Mass-fragmentographic determination of catecholamine metabolites in amniotic fluid and its possible clinical usefulness. Muskiet FA, et al. **Clin Chem** 24(11):1899–902, Nov 78

Pheochromocytoma: diagnosis and management. Pratt JH, et al. **J Indiana State Med Assoc** 71(11):1076–8, Nov 78

Prazosin in the diagnosis and treatment of pheochromocytoma. Wallace JM, et al. **JAMA** 240(25):2752–3, 15 Dec 78

Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Chatterjee TK. **Med J Zambia** 11(6):167–9, Dec–Jan 78

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51–1978. **N Engl J Med** 299(26):1456–60, 28 Dec 78

Diagnosis of pheochromocytoma by computed axial tomographic scan and other methods [letter] **N Engl J Med** 299(26):1469–71, 28 Dec 78

[Ultrasonographic investigations in the differential diagnosis of abdominal tumor. Case report (author's transl)] Rakoczy A, et al. **Pol Przegl Radiol** 42(3):237–40, May–Jun 78 (Eng. Abstr.) **(Pol)**

[Combination of a hormonally active adrenal tumor with hypertensive disease of the kidneys] Gerasimenko PP. **Kardiologiia** 18(11):51–7, Nov 78 (Eng. Abstr.) **(Rus)**

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

DRUG THERAPY

Prazosin in the diagnosis and treatment of pheochromocytoma. Wallace JM, et al. **JAMA** 240(25):2752–3, 15 Dec 78

ENZYMOLOGY

Inhibition of bovine adrenocortical adenylate cyclase activity by adenosine. Glynn P, et al. **Biochim Biophys Acta** 526(2):605–12, 12 Oct 78

FAMILIAL & GENETIC

Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Tsuzaki K, et al. **Acta Cytol (Baltimore)** 22(5):321–6, Sep–Oct 78

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

[A family with 4 cases of pheochromocytoma and 2 cases of Hippel–Lindau disease] Matsubara T, et al. **Nippon Rinsho** 36(9):3248–53, 10 Sep 78 **(Jpn)**

METABOLISM

[Studies on the tumorigenic action of streptozotocin and on the physiologic responses to glucose loading in tumor-bearing rats (author's transl)] Yoshino G, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1070–8, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Tsuzaki K, et al. **Acta Cytol (Baltimore)** 22(5):321–6, Sep–Oct 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Pheochromocytomas [letter] Mendelsohn G, et al. **Hum Pathol** 9(5):607–8, Sep 78

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51–1978. **N Engl J Med** 299(26):1456–60, 28 Dec 78

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

[Angiomyolipomas (hamartomas) of the kidney. Radiological study apropos of 2 cases. Review of the literature] Bruneton JN, et al. **J Can Assoc Radiol** 29(4):252–61, Dec 78 (Eng. Abstr.) **(Fre)**

[A very curious adrenal gland (letter)] Debré B, et al. **Nouv Presse Med** 7(33):2962, 30 Sep 78 **(Fre)**

[Malignant pheochromocytoma associated with adenomatoid transformation of Bowman's capsule epithelium--an autopsy case] Nakamura N, et al. **Nippon Rinsho** 36(8):3038–41, Aug 78 **(Jpn)**

[Primary malignant hemangioendothelioma of the liver with metastases to the lungs, adrenals and lymph nodes] Cylwik B, et al. **Pol Arch Med Wewn** 60(2):183–7, Aug 78 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Computed tomography in adrenal tumors. Dunnick NR, et al. **AJR** 132(1):43–6, Jan 79

Suprarenal mass: renal or adrenal? Gordon R, et al. **J Med Assoc Ga** 67(10):818–20, Oct 78

Diagnosis of pheochromocytoma by computed axial tomographic scan and other methods [letter] **N Engl J Med** 299(26):1469–71, 28 Dec 78

Computed tomography of the adrenal gland. Karstaedt N, et al. **Radiology** 129(3):723–30, Dec 78

[The difficulties of radiographic diagnosis of extra-adrenal pheochromocytomas (proceedings) (author's transl)] Narboni G, et al. **Ann Endocrinol (Paris)** 39(3):263–5, 1978 (Eng. Abstr.) **(Fre)**

[Radiological signs of tumours of the adrenal glands (author's transl)] Scouteris M, et al. **Sem Hop Paris** 54(25–28):839–45, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Computer-assisted axial tomography in the evaluation of adrenal glands: review of 42 cases] Lévesque HP, et al. **Union Med Can** 107(11):1063–9, Nov 78 (Eng. Abstr.) **(Fre)**

[Arteriographic findings in adrenal metastases (author's transl)] Hoevels J, et al. **ROEFO** 129(4):460–9, Oct 78 (Eng. Abstr.) **(Ger)**

[Multiple phaeochomocytomas (author's transl)] Schindler G, et al. **ROEFO** 129(4):454–60, Oct 78 (Eng. Abstr.) **(Ger)**

[Supra renal metastases. The rôle of angiography (author's transl)] Sörensen R, et al. **ROEFO** 129(4):470–5, Oct 78 (Eng. Abstr.) **(Ger)**

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Radiological signs of tumours of the adrenal glands (author's transl)] Scouteris M, et al. **Sem Hop Paris** 54(25–28):839–45, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Adrenal gland scintigraphy--clinical experiences and indications] Zechmann W, et al. **Helv Chir Acta** 44(3):255–8, Jun 77 **(Ger)**

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

SECRETION

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Acute cardiac toxicity of antineoplastic agents as the first manifestation of pheochromocytoma. DeAsis DN Jr, et al. **Cancer** 42(4):2005–8, Oct 78

Pheochromocytomas [letter] Mendelsohn G, et al. **Hum Pathol** 9(5):607–8, Sep 78

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**

SURGERY

Intraoperative management of phaeochromocytoma with sodium nitroprusside [letter] Krapez J, et al. **Br Med J** 2(6144):1088, 14 Oct 78

Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Chatterjee TK. **Med J Zambia** 11(6):167–9, Dec–Jan 78

[Morphine in the anesthetic management of pheochromocytoma (author's transl)] Oka N, et al. **Masui** 27(12):1489–90, Nov 78 (Eng. Abstr.) **(Jpn)**

THERAPY

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Pheochromocytoma: diagnosis and management. Pratt JH, et al. **J Indiana State Med Assoc** 71(11):1076–8, Nov 78

ULTRASTRUCTURE

Pheochromocytomas [letter] Mendelsohn G, et al. **Hum Pathol** 9(5):607–8, Sep 78

URINE

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Determination of 3-methoxy-4-hydroxyphenylpyruvic acid, 3,4-dihydroxyphenylethylene glycol, and 3,4-dihydroxyphenylmandelic acid in urine by mass fragmentography, with use of deuterium-labeled internal standards. Muskiet FA, et al. **Clin Chem** 24(11):2001–8, Nov 78

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

ADRENOGENITAL SYNDROME

DIAGNOSIS

Genetic emergencies in pediatrics. Stephen R, et al. **Paediatrician** 7(4–5):152–65, 1978

BARTTER'S DISEASE

COMPLICATIONS

Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome. Sann L, et al. **Helv Paediatr Acta** 33(3):299–310, Aug 78

DIAGNOSIS

Asymptomatic Bartter's syndrome. Barbour GL, et al. **South Med J** 71(11):1341–4, 1349, Nov 78

DRUG THERAPY

Prostaglandins: renin release and renal function. Horton R, et al. **Contrib Nephrol** 14:87–96, 1978

Asymptomatic Bartter's syndrome. Barbour GL, et al. **South Med J** 71(11):1341–4, 1349, Nov 78

ETIOLOGY

[Nephropathy caused by cystinosis with secondary Bartter's syndrome. Personal experience in a case treated with prolonged diet therapy and acetylsalicylic acid therapy] Berio A. **Minerva Pediatr** 30(22):1825–31, 30 Nov 78 **(Ita)**

METABOLISM

Prostaglandins: renin release and renal function. Horton R, et al. **Contrib Nephrol** 14:87–96, 1978

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

[Bartter's syndrome] Kono T, et al. **Nippon Rinsho** 36(10):3417–20, Oct 78 **(Jpn)**

[Bartter's syndrome. Pathophysiology in three cases (author's transl)] Vila A, et al. **An Esp Pediatr** 11(10):663–74, Oct 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Asymptomatic Bartter's syndrome. Barbour GL, et al. **South Med J** 71(11):1341–4, 1349, Nov 78

[Bartter's syndrome. Pathophysiology in three cases (author's transl)] Vila A, et al. **An Esp Pediatr** 11(10):663–74, Oct 78 (Eng. Abstr.) **(Spa)**

CUSHING'S SYNDROME

[Cushing's syndrome] Vasiukova EA, et al. **Ter Arkh** 50(11):131–7, 1978 (45 ref.) **(Rus)**

BLOOD

An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Milewicz A. **Mater Med Pol** 10(3):214–7, Jul–Sep 78

CHEMICALLY INDUCED

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925–30, 1 Dec 78 (41 ref.) **(Ger)**

COMPLICATIONS

Pituitary oncocytic tumor with Cushing's disease. Gjerris A, et al. **Cancer** 42(4):1818–22, Oct 78

[Calcium and phosphorus metabolism disorders in Cushing's syndrome and Addison's disease] Miyazaki T, et al. **Nippon Rinsho** 36(10):3385–91, Oct 78 **(Jpn)**

[Pathophysiology and diagnosis of endocrine hypertension (author's transl)] Kumahara Y, et al. **Rinsho Byori** 26(7):543–9, Jul 78 **(Jpn)**

DIAGNOSIS

[Cushing's syndrome] Vasiukova EA, et al. **Ter Arkh** 50(11):131–7, 1978 (45 ref.) **(Rus)**

DRUG THERAPY

Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. Isarangkura M, et al. **J Med Assoc Thai** 61(11):647–50, Nov 78

[Corticotropic function of the pituitary gland in Cushing's syndrome treated with chloditane] Slavnov VN, et al. **Ter Arkh** 50(11):72–5, 1978 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pseudo-Cushing syndrome caused by alcohol in breast milk. Binkiewicz A, et al. **J Pediatr** 93(6):965–7, Dec 78

[Usefulness of pneumoretroperitoneum in the exploration of Cushing's syndrome] Bonnin A, et al. **J Radiol Electrol Med Nucl** 59(6–7):431, Jun–Jul 78 **(Fre)**

METABOLISM

An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Milewicz A. **Mater Med Pol** 10(3):214–7, Jul–Sep 78

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[Adrenal cortex pathology in the African black; 29 cases; 7 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):93–8, Jun 78 **(Fre)**

PHYSIOPATHOLOGY

Catch-up growth. Prader A. **Postgrad Med J** 54 Suppl 1:133–46, 1978

[The ectopic ACTH syndrome] Pelkonen R, et al. **Duodecim** 94(22):1377–84, 1978 **(Fin)**

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

[Corticotropic function of the pituitary gland in Cushing's syndrome treated with chloditane] Slavnov VN, et al. **Ter Arkh** 50(11):72–5, 1978 (Eng. Abstr.) **(Rus)**

[Cushing's syndrome] Vasiukova EA, et al. **Ter Arkh** 50(11):131–7, 1978 (45 ref.) **(Rus)**

PSYCHOLOGY

Abstracts of some of the papers given at the Annual Meeting of the Royal College of Psychiatrists in London on 4–6 July 1978. **Br J Psychiatry** 133:370–1, Oct 78

RADIOGRAPHY

Computed tomography in adrenal tumors. Dunnick NR, et al. **AJR** 132(1):43–6, Jan 79

Computed tomography of the adrenal gland. Karstaedt N, et al. **Radiology** 129(3):723–30, Dec 78

[Usefulness of pneumoretroperitoneum in the exploration of Cushing's syndrome] Bonnin A, et al. **J Radiol Electrol Med Nucl** 59(6–7):431, Jun–Jul 78 **(Fre)**

[Radiological signs of tumours of the adrenal glands (author's transl)] Scouteris M, et al. **Sem Hop Paris** 54(25–28):839–45, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Scintigraphy of hyperfunctioning adrenal tissue after total adrenalectomy. Jakubowski W, et al. **Eur J Nucl Med** 3(4):239–41, 1978

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

SURGERY

Parasellar tumors: variations on a theme. Hunt WE, et al. **Clin Neurosurg** 25:425–34, 1978

Scintigraphy of hyperfunctioning adrenal tissue after total adrenalectomy. Jakubowski W, et al. **Eur J Nucl Med** 3(4):239–41, 1978

[Changes in functional state of the thyroid gland and thyrotropic activity of the pituitary gland in Cushing's syndrome after unilateral adrenalectomy combined with radiation therapy] Kalinin AP, et al. **Ter Arkh** 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**

THERAPY

Unilateral adrenalectomy and pituitary irradiation in the treatment of ACTH-dependent Cushing's disease in children and adolescents. Landau B, et al. **Clin Endocrinol (Oxf)** 9(3):221–6, Sep 78

An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Milewicz A. **Mater Med Pol** 10(3):214–7, Jul–Sep 78

[Cushing's syndrome] Vasiukova EA, et al. **Ter Arkh** 50(11):131–7, 1978 (45 ref.) **(Rus)**

URINE

Quantitative analysis of steroid profiles from urine by capillary gas chromatography. I. Accuracy and reproducibility of the sample preparation. Leunissen WJ, et al. **J Chromatogr** 146(3):365–80, 1 Nov 78

HYPERALDOSTERONISM

BLOOD

[Pathogenesis of arterial hypertension with a low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 18(11):5–11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277–8, 16 Dec 78

COMPLICATIONS

Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282–6, Jul 78

Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome. Sann L, et al. **Helv Paediatr Acta** 33(3):299–310, Aug 78

[Primary aldosteronism associated with a primary double cancer of the thyroid and rectum: a case study (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1058–69, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Pathophysiology and diagnosis of endocrine hypertension (author's transl)] Kumahara Y, et al. **Rinsho Byori** 26(7):543–9, Jul 78 **(Jpn)**

DIAGNOSIS

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855–8, 1 Sep 78

Asymptomatic Bartter's syndrome. Barbour GL, et al. **South Med J** 71(11):1341–4, 1349, Nov 78

[Pathogenesis of arterial hypertension with a low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 18(11):5–11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**

ETIOLOGY

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**

[Nephropathy caused by cystinosis with secondary Bartter's syndrome. Personal experience in a case treated with prolonged diet therapy and acetylsalicylic acid therapy] Berio A. **Minerva Pediatr** 30(22):1825–31, 30 Nov 78 **(Ita)**

METABOLISM

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

Impaired renal prostaglandin E2 biosynthesis in human hypertensive states. Tan SY, et al. **Prostaglandins Med** 1(1):76–85, Jul 78

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Bartter's syndrome] Kono T, et al. **Nippon Rinsho** 36(10):3417–20, Oct 78 **(Jpn)**

PATHOLOGY

[Primary aldosteronism associated with a primary double cancer of the thyroid and rectum: a case study (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1058–69, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Bartter's syndrome. Pathophysiology in three cases (author's transl)] Vila A, et al. **An Esp Pediatr** 11(10):663–74, Oct 78 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Radiological signs of tumours of the adrenal glands (author's transl)] Scouteris M, et al. **Sem Hop Paris** 54(25–28):839–45, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282–6, Jul 78

[The clinical application and evaluation of radiological

examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

ADRENAL

III. *Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs*

ADRENAL CORTEX HORMONES

Corticosteroid-induced avascular necrosis: an experimental study in rabbits. Gold EW, et al. **Clin Orthop** (135):272–80, Sep 78

ADMINISTRATION & DOSAGE

Management of late corneal graft problems. Ehlers N, et al. **Acta Ophthalmol (Copenh)** 56(6):984–97, Dec 78

Corticosteroids in the treatment of alopecia totalis. Systemic effects. Unger WP, et al. **Arch Dermatol** 114(10):1486–90, Oct 78

Relapsing polychondritis [letter] Carpenter JR, et al. **Arthritis Rheum** 22(1):102–3, Jan 79

Articular manifestations of mixed connective tissue disease. Ramos-Niembro F, et al. **Arthritis Rheum** 22(1):43–51, Jan 79

The time of steroid therapy [proceedings] Cove-Smith JR, et al. **Br J Pharmacol** 64(3):457P, Nov 78

Corticosteroids and the humoral immune response of mice i. Differential effect of corticosteroids upon antibody formation to sheep red blood cells in spleen and bone marrow. Benner R, et al. **Cell Immunol** 41(1):52–61, Nov 78

The effects of acute corticosteroid therapy for asthma on serum immunoglobulin levels. Posey WC, et al. **J Allergy Clin Immunol** 62(6):340–8, Dec 78

The use of IV corticosteroids in renal disease. Muehrcke RC, et al. **J Am Assoc Nephrol Nurses Tech** 5(3):129–40, 1978

Surgical experience with pulmonary tuberculosis patients receiving steroids. Chua FS, et al. **J Indiana State Med Assoc** 71(12):1138–41, Dec 78

Liver failure. Tolentino P. **Paediatrician** 7(4–5):166–75, 1978

Effect of corticosteroids on lung surfactant activity in experimentally produced fat embolism in rats. Stitt RW, et al. **Surg Forum** 28:491–2, 1977

[Systemic chemotherapy in mycosis fungoides (author's transl)] Kenis Y. **Dermatologica** 157(6):407–14, 1978 (Eng. Abstr.) **(Fre)**

[Steroid inhalation therapy] Witek F. **Wien Med Wochenschr** 128(18):603–5, 10 Oct 78 **(Ger)**

[Rheumatoid disease in children. Current acquisitions and considerations of the pediatrist] Gemme G. **Minerva Pediatr** 30(22):1741–50, 30 Nov 78 **(Ita)**

[Corticosteroid aerosols in the therapy of asthma] Hansen G. **Tidsskr Nor Laegeforen** 98(30):1526, 30 Oct 78 **(Nor)**

ADVERSE EFFECTS

Urolithiasis in adolescents. Rambar AC, et al. **Am J Dis Child** 132(11):1117–20, Nov 78

Corticosteroid-induced lymphocytopenia in man: absence of splenic influence and effect of recipient serum. Beardsley GP, et al. **Am J Hematol** 4(3):255–9, 1978

Iatrogenic pancreatitis. A fatal complication in the induction therapy for acute lymphocytic leukemia. Jain R, et al. **Arch Intern Med** 138(11):1726, Nov 78

Posterior subcapsular cataracts: histopathologic study of steroid-associated cataracts. Greiner JV, et al. **Arch Ophthalmol** 97(1):135–44, Jan 79

Steroid myopathy. Fagan JM, et al. **Ariz Med** 35(10):657–9, Oct 78

Microcrystalline calcium hydroxyapatite compound in corticosteroid-treated rheumatoid patients: a controlled study. Nilsen KH, et al. **Br Med J** 2(6145):1124, 21 Oct 78

The place of steroids in the therapy of toxic megacolon. Meyers S, et al. **Gastroenterology** 75(4):729–31, Oct 78

The effects of acute corticosteroid therapy for asthma on serum immunoglobulin levels. Posey WC, et al. **J Allergy Clin Immunol** 62(6):340–8, Dec 78

Drug-induced pulmonary disease. Rosenow EC 3d. **J Pract Nurs** 29(1):23–6, 43, Jan 79

Spontaneous osteonecrosis of the knee and medial meniscal tears. Norman A, et al. **Radiology** 129(3):653–6, Dec 78

[Non-respiratory postoperative complications in chronic respiratory insufficiency] Baron D, et al. **Anesth Analg (Paris)** 35(4):699–711, Jul-Aug 78 **(Fre)**

[Multifocal tuberculous osteoarthritis and synovitis. 10 cases] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 45(7–9):463–8, Jul-Sep 78 (Eng. Abstr.) **(Fre)**

[Ocular changes in rheumatic disease] Guffanti A. **Minerva Med** 69(46):3134–7, 30 Sep 78 **(Ita)**

[Ocular changes in rheumatoid arthritis] Siliato F, et al. **Minerva Pediatr** 30(22):1761–6, 30 Nov 78 **(Ita)**

[Corticosteroid aerosols in the therapy of asthma] Hansen G. **Tidsskr Nor Laegeforen** 98(30):1526, 30 Oct 78 **(Nor)**

ANALYSIS

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Observations on the interactions between non-steroid anti-inflammatory agents and corticosteroids. Gaylarde PM, et al. **Australas J Dermatol** 19(2):39–44, Aug 78

BIOSYNTHESIS

Prostacyclin: a potent stimulator of adrenal steroidogenesis. Ellis EF, et al. **Prostaglandins** 16(4):483–90, Oct 78

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257–67, Sep 78

BLOOD

The effects of acute and chronic uremia in rats on their hepatic microsomal enzyme activity. Terner UK, et al. **Clin Biochem** 11(4):156–8, Aug 78

Blood pressure and metabolic effects of ACTH in anephric sheep. Fan JS, et al. **Clin Exp Pharmacol Physiol** 5(6):673–7, Nov-Dec 78

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855–8, 1 Sep 78

[Psychophysiologic approaches in the etiology and therapy of psychosomatic disorders] Larbig W. **Z Psychosom Med Psychoanal** 24(4):355–67, Oct-Dec 78 (Eng. Abstr.) **(Ger)**

[Detection of the critical period of pituitary-adrenal system development during postembryonic chicken ontogenesis] Avrutina AIa, et al. **Zh Evol Biokhim Fiziol** 14(5):441–7, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Nonhormonal case of adrenal cortical carcinoma [letter] Constantopoulos A, et al. **Arch Dis Child** 53(10):827, Oct 78

Transformation of C18-, C19- and C21-steroids by cultures of Candida albicans. Ghraf R, et al. **J Steroid Biochem** 6(11–12):1531–6, Nov-Dec 75

[Biochemistry of depression. Literature analysis] Moussaoui D. **Encephale** 4(3):193–222, 1978 (173 ref.) (Eng. Abstr.) **(Fre)**

[Effect of physical training on restoration of rat liver following partial hepatectomy] Sorokin AS, et al. **Biull Eksp Biol Med** 86(10):483–6, Oct 78 (Eng. Abstr.) **(Rus)**

[Changes in the ultrastructure and functional parameters of rat adrenal cortex cells in the course of reparative regeneration] Vakulin GM, et al. **Tsitol Genet** 12(5):402–8, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

[Contents of catecholamines and corticosteroids in tissues of quinea pigs with C-hypovitaminosis] Lesnykh LD, et al. **Ukr Biokhim Zh** 50(5):592–5, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

On the use of selected bronchodilators in the asthmatic and non-asthmatic patient. Chrow L. **AANA J** 46(4):389–96, Aug 78

Effects of anti-rheumatic drugs on immunological parameters. Penny R. **Aust NZ J Med** 8 Suppl 1:109–13, 1978 (13 ref.)

Observations on the interactions between non-steroid anti-inflammatory agents and corticosteroids. Gaylarde PM, et al. **Australas J Dermatol** 19(2):39–44, Aug 78

The effects of corticosteroids given at various clock times on cell-mediated immunity to oxazolone [proceedings] Kabler TA, et al. **Br J Pharmacol** 64(3):427P, Nov 78

A domiciliary study of urinary circadian rhythms in rheumatoid patients with particular reference to the effects of the time of administration of corticosteroid drugs [proceedings] Knapp MS, et al. **Br J Pharmacol** 64(3):453P–454P, Nov 78

Corticosteroids and the humoral immune response of mice i. Differential effect of corticosteroids upon antibody formation to sheep red blood cells in spleen and bone marrow. Benner R, et al. **Cell Immunol** 41(1):52–61, Nov 78

Effect of corticosteroids on human in vitro anamnestic response. Yu DT. **Cell Immunol** 40(2):431–6, Oct 78

Cellular injury of adrenocorticotropic pituitary tumor (AtT-20) by corticosteroid in mice. Ito A, et al. **Gan** 69(4):525–31, Aug 78

In vitro adaptation to environmental changes of young and old bovine lenses. pp. 187–95. Korte I, et al.
In: Hockwin O, ed. Lens ageing and development of senile cataracts. Basel, Karger, 1978. W1 IN679 v.12 1978.

Hormonal and nutritional effects on the development of glia. pp. 247–56. Clos J.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.

Hormones and the metabolic response to injury [editorial] Munro HN. **N Engl J Med** 300(1):41–2, 4 Jan 79

Effect of corticosteroids on lung surfactant activity in experimentally produced fat embolism in rats. Stitt RW, et al. **Surg Forum** 28:491–2, 1977

[Pharmacologic regulation of the functional activity of the lysosomal apparatus of the cell (review of the literature)] Nichoga VD, et al. **Farmakol Toksikol** 41(6):730–50, Nov-Dec 78 (223 ref.) **(Rus)**

PHYSIOLOGY

The effect of pituitary-adrenal function in the modulation of pain sensitivity in the rat. Heybach JP, et al. **J Physiol (Lond)** 283:331–40, Oct 78

The management of inflammation in rheumatic diseases. Currey HL. **S Afr Med J** 54(8):309–14, 19 Aug 78

[Adrenal and plasma catecholamines levels in the edible frog under various physiological conditions (proceedings) (author's transl)] Bourgeois P, et al. **Ann Endocrinol (Paris)** 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**

[Pathogenetic, pathophysiological and biochemical aspects of essential hypertension (author's transl)] Lange HH, et al. **Herz** 3(4):252–60, Aug 78 (Eng. Abstr.) **(Ger)**

[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep-Oct 78 **(Ukr)**

THERAPEUTIC USE

On the use of selected bronchodilators in the asthmatic and non-asthmatic patient. Chrow L. **AANA J** 46(4):389–96, Aug 78

Sutton's summer prurigo of the elbows. Rasmussen JE. **Acta Derm Venereol (Stockh)** 58(6):547–9, 1978

Liver changes induced by cytostatic drugs in patients with non Hodgkin's lymphomas. Roth A, et al. **Acta Hepatogastroenterol (Stuttg)** 25(5):353–9, Oct 78

Management of late corneal graft problems. Ehlers N, et al. **Acta Ophthalmol (Copenh)** 56(6):984–97, Dec 78

A modern clinical approach to food hypersensitivity. May CD, et al. **Allergy** 33(4):166–88, Aug 78 (80 ref.)

Endogenous intraocular Nocardia asteroides in Hodgkin's disease. Lissner GS, et al. **Am J Ophthalmol** 86(3):388–94, Sep 78

Peripheral corneal ulcers with herpes zoster ophthalmicus. Mondino BJ, et al. **Am J Ophthalmol** 86(5):611–4, Nov 78

Steroid-dependent asthma treated with inhaled beclomethasone dipropionate in children. Richards W, et al. **Ann Allergy** 41(5):274–7, Nov 78

Biorhythm theory and asthma. Strumpf IJ, et al. **Ann Allergy** 41(6):330–2, Dec 78

Diffuse fasciitis with eosinophilia. Chanda JJ, et al. **Arch Dermatol** 114(10):1522–4, Oct 78

Corticosteroids in the treatment of alopecia totalis. Systemic effects. Unger WP, et al. **Arch Dermatol** 114(10):1486–90, Oct 78

Iatrogenic pancreatitis. A fatal complication in the induction therapy for acute lymphocytic leukemia. Jain R, et al. **Arch Intern Med** 138(11):1726, Nov 78

Relapsing polychondritis [letter] Carpenter JR, et al. **Arthritis Rheum** 22(1):102–3, Jan 79

Articular manifestations of mixed connective tissue disease. Ramos-Niembro F, et al. **Arthritis Rheum** 22(1):43–51, Jan 79

Drug treatment of rheumatoid arthritis. Brooks PM. **Aust NZ J Med** 8 Suppl 1:101–5, 1978 (28 ref.)

SLE: the value of immunological tests and aspects of management. Edmonds JP. **Aust NZ J Med** 8 Suppl 1:116–23, 1978

Plasma cortisol values after topical application of diflucortolone valerate (0.3%) or clobetasol propionate (0.05%) in psoriatic patients. Keczkes K, et al. **Br J Dermatol** 99(4):417–20, Oct 1978

A study of the comparative efficacy of diflucortolone valerate 0.3% ointment and clobetasol propionate 0.05% ointment. Wendt H, et al. **Br J Dermatol** 99(4):411–6, Oct 1978

Prognosis of cryptogenic fibrosing alveolitis [editorial] **Br Med J** 2(6141):849–50, 23 Sep 78

Amoebiasis and corticosteroids [letter] Amin N. **Br Med J** 2(6144):1084, 14 Oct 78

Rheumatoid arthritis. Gumpel JM. **Br Med J** 2(6144):1068–70, 14 Oct 78

Myasthenia gravis and red cell aplasia. Houghton JB, et al. **Br Med J** 2(6149):1402–3, 18 Nov 78

Immunoblastic lymphadenopathy associated with methyldopa therapy: a case report. Weisenburger DD. **Cancer** 42(5):2322–7, Nov 78

The relation between plasma androstenedione and oestrone levels in untreated and corticosteroid-treated post-menopausal women. Marshall DH, et al. **Clin Endocrinol (Oxf)** 9(5):407–12, Nov 78

Surgical therapy of primary malignant brain tumors. Ransohoff J, et al. **Clin Neurosurg** 25:403–11, 1978

The contemporary role of chemotherapy in the treatment of malignant brain tumor. Walker MD. **Clin Neurosurg** 25:388–96, 1978

Adult respiratory distress syndrome. Gong H Jr, et al. **Compr Ther** 4(9):6–14, Sep 78

Therapy for cardiogenic shock. Promisloff R, et al. **Compr Ther** 4(11):49–56, Nov 78

Hepatic encephalopathy [clinical conference] Hoyumpa AM Jr, et al. **Gastroenterology** 76(1):184–95, Jan 79 (40 ref.)

The ubiquitous prostaglandins and their role in ulcerative colitis [editorial] Kimberg DV. **Gastroenterology** 75(4):748–50, Oct 78

The place of steroids in the therapy of toxic megacolon. Meyers S, et al. **Gastroenterology** 75(4):729–31, Oct 78

Requests for as-needed medications by asthmatic patients. Relationships to prescribed oral corticosteroid regimens and length of hospitalization. Dahlem NW, et al. **J Allergy Clin Immunol** 63(1):23–7, Jan 79

Intraoral, laryngeal, and pharyngeal hemangiomas. **J Dermatol Surg Oncol** 4(11):863, Nov 78

Treatment of complicated hemangiomas with adrenocorticosteroids when the integrity or function of important structures or life itself is threatened. **J Dermatol Surg Oncol** 4(11):854–8, Nov 78

Surgical experience with pulmonary tuberculosis patients receiving steroids. Chua FS, et al. **J Indiana State Med Assoc** 71(12):1138–41, Dec 78

Comment. Bronchodilator therapy. Fixley MS. **J Kans Med Soc** 80(1):22–4, Jan 79

Hormonal status in normal, osteoporotic and corticosteroid-treated postmenopausal women. Crilly R, et al. **J R Soc Med** 71(10):733–6, Oct 78

From the NIH: Awareness, better diagnosis, and drug therapy increase outlook for systemic lupus erythematosus. **JAMA** 241(1):23–4, 5 Jan 79

Immune thrombocytopenia. Use of a Coombs antiglobulin test to detect IgG and C3 on platelets. Cines DB, et al. **N Engl J Med** 300(3):106–11, 18 Jan 79

Problems of symptomatic therapy in multiple sclerosis. Bauer HJ. **Neurology (Minneap)** 29(9 Pt 2):8–20, Sep 78

Asthma in adult patients. Swinburn PD. **NZ Med J** 88(619):204–7, 13 Sep 78

Erythema multiforme. Clinical characteristics and natural history in fifty patients. Lozada F, et al. **Oral Surg** 46(5):628–36, Nov 78

Renal emergencies in children. Monta-Hernandez F, et al. **Paediatrician** 7(4–5):222–38, 1978

Immunologic mechanisms of hemolysis in autoimmune hemolytic anemia. Logue GL, et al. **Pathobiol Annu** 8:61–83, 1978 (84 ref.)

Acute febrile neutrophilic dermatosis: Sweet's syndrome. Chmel H, et al. **South Med J** 71(11):1350–2, Nov 78

Pharmacologic management of asthma in childhood. Wray BB. **South Med J** 71(11):1387–92, 1396, Nov 78

Effect of corticosteroids on lung surfactant activity in experimentally produced fat embolism in rats. Stitt RW, et al. **Surg Forum** 28:491–2, 1977

Bronchial asthma. Grant JA. **Tex Med** 74(12):37–44, Dec 78

Growth and endocrine function in children with cystinosis following renal transplantation. Malekzadeh MH, et al. **Trans Am Soc Artif Intern Organs** 24:278–81, 1978

Immunotherapy. James DG. **Trans Ophthalmol Soc UK** 97(4):468–73, Sep 77 (20 ref.)

Management of retinal oedema. Rubinstein K. **Trans Ophthalmol Soc UK** 97(4):662–4, Sep 77

[Potentials of the modern pathogenetic treatment of immune glomerulonephritis] Belovezhdov N. **Vutr Boles** 17(5):12–20, 1978 **(Bul)**

[Aseptic bone necrosis in lupus disease] Pilosof T, et al. **Vutr Boles** 17(5):84–92, 1978 (Eng. Abstr.) **(Bul)**

[Current problems in the therapy using corticoids] **Cas Lek Cesk** 117(42):1334–5, 20 Oct 78 **(Cze)**

[Nephrotic syndrome in children. A follow-up study of 23 patients] Agner E, et al. **Ugeskr Laeger** 140(49):3043–6, 4 Dec 78 (Eng. Abstr.) **(Dan)**

[Current treatment in diseases of the oral mucosa] Laufer J. **Actual Odontostomatol (Paris)** (122):171–86, Jun 78 (Eng. Abstr.) **(Fre)**

[Sheehan's syndrome in black Africa. Nine cases; 5 personal cases] Sankalé M, et al. **Afr J Med Med Sci** 7(2):65–9, Jun 78 **(Fre)**

[Systemic chemotherapy in mycosis fungoides (author's transl)] Kenis Y. **Dermatologica** 157(6):407–14, 1978 (Eng. Abstr.) **(Fre)**

[Ocular herpes. Therapeutic aspects (author's transl)] Colin J. **Nouv Presse Med** 7(33):2949–53, 30 Sep 78 (36 ref.) (Eng. Abstr.) **(Fre)**

[Infantile cortical hyperostosis] Döge D, et al. **Beitr Orthop Traumatol** 25(11):616–22, Nov 78 **(Ger)**

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925–30, 1 Dec 78 (41 ref.) **(Ger)**

[Allergic alveolitis. Diagnosis and therapy in practice] Bergmann KC. **Fortschr Med** 96(42):2123–6, 9 Nov 78 (Eng. Abstr.) **(Ger)**

[Allergic alveolitis. Diagnosis and therapy in practice] Bergmann KC. **Fortschr Med** 96(42):2138–9, 9 Nov 78 **(Ger)**

[Juvenile Sharp syndrome (mixed connective tissue disease)] Rosenthal M. **Helv Paediatr Acta** 33(3):251–8, Aug 78 (Eng. Abstr.) **(Ger)**

[Contribution to the treatment of idiopathic pulmonary hemosiderosis by means of immunosuppressive agents] Berger G, et al. **Paediatr Grenzgeb** 17(4):213–20, 1978 **(Ger)**

[Giant cell arteritis horton (author's transl)] Aepli R. **Praxis** 67(50):1849–54, 12 Dec 78 **(Ger)**

[Steroid inhalation therapy] Witek F. **Wien Med Wochenschr** 128(18):603–5, 10 Oct 78 **(Ger)**

[Lichen planus today] Stüttgen G. **Z Hautkr** 53(21):766–73, 1 Nov 78 (34 ref.) **(Ger)**

[Ocular changes in rheumatic disease] Guffanti A. **Minerva Med** 69(46):3134–7, 30 Sep 78 **(Ita)**

[Therapy of juvenile rheumatoid arthritis. Personal experience] Chiossi FM. **Minerva Pediatr** 30(22):1767–71, 30 Nov 78 **(Ita)**

[Clinical and therapeutic aspects of dermatomyositis in childhood] Garibaldi LR, et al. **Minerva Pediatr** 30(22):1793–5, 30 Nov 78 **(Ita)**

[Rheumatoid disease in children. Current acquisitions and considerations of the pediatrist] Gemme G. **Minerva Pediatr** 30(22):1741–50, 30 Nov 78 **(Ita)**

[Corticosteroid aerosols in the therapy of asthma] Hansen G. **Tidsskr Nor Laegeforen** 98(30):1526, 30 Oct 78 **(Nor)**

[Brain edema and methods of its management] Zderkiewicz E. **Pol Tyg Lek** 33(44):1735–8, 30 Oct 78 **(Pol)**

[General corticotherapy in endogenous uveitis] Grigorescu R, et al. **Rev Chir [Oftalmol]** 22(3):225–7, Jul–Sep 78 (Eng. Abstr.) **(Rum)**

[Case of death from strongyloidiasis against a background of corticosteroid prescription] Prokhorov AF, et al. **Med Parazitol (Mosk)** 47(6):103–4, Nov–Dec 78 **(Rus)**

[Treatment procedures in myelofibrosis] Klimova NF. **Probl Gematol Pereliv Krovi** 23(11):31–5, 1978 **(Rus)**

[Urobilinuria dynamics in viral hepatitis and its relationship to the functional state of the kidneys] Volegova GM. **Sov Med** (10):75–8, Oct 78 (Eng. Abstr.) **(Rus)**

[State of the kallikrein-kinin system components in rheumatism and their dynamics under the influence of treatment] Temirova KV, et al. **Vopr Revm** (4):43–6, Oct–Dec 78 (Eng. Abstr.) **(Rus)**

[Treatment of toxoplasmosis (author's transl)] Apt W. **Rev Med Chil** 106(8):622–5, Aug 78 (Eng. Abstr.) **(Spa)**

URINE

Effect of manual lymph drainage massage on urinary excretion of neurohormones and minerals in chronic lymphedema. Kurz W, et al. **Angiology** 29(10):764–72, Oct 78

The excretion of steroids by the adult marmoset monkey (Callithrix jacchus). Shackleton CH. **J Steroid Biochem** 6(10):1429–32, Oct 75

[Combination of a hormonally active adrenal tumor with hypertensive disease of the kidneys] Gerasimenko PP. **Kardiologiia** 18(11):51–7, Nov 78 (Eng. Abstr.) **(Rus)**

[Degree and frequency of activation of different adrenal cortex functions in diabetes mellitus patients] Bezverkhaia TP. **Probl Endokrinol (Mosk)** 24(6):31–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ALDOSTERONE

ANALOGS & DERIVATIVES

A new approach to the difficult assessment of aldosterone secretion in anephric patients. Pratt JH, et al. **Steroids** 32(4):487–98, Nov 78

ANALYSIS

[Aldosterone in the bovine eye] Stárka L, et al. **Cesk Oftalmol** 34(6):405–8, Nov 78 (Eng. Abstr.) **(Cze)**

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Adenosine 3':5'-cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Bing RF, et al. **Biochem J** 176(1):39–45, 15 Oct 78

An examination of possible mechanisms of angiotensin II-stimulated steroidogenesis. Douglas J, et al. **Endocr Res Commun** 5(2):173–88, 1978

cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri) Chavin W, et al. **Gen Comp Endocrinol** 35(4):445–50, Aug 78

Influences of op'DDD, op'DDE and solubilization procedures on the in vitro biosynthesis of 18-hydroxycorticosterone and aldosterone by sheep adrenals. Touitou Y, et al. **Int J Biochem** 9(9):691–5, 1978

BLOOD

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Blood pressure, renin-angiotensin system and urinary kallikrein in a case of juxtaglomerular cell tumor. Mimran A, et al. **Am J Med** 65(3):527–36, Sep 78

Proximal renal tubular acidosis: association with familial normaldosteronemic hyperpotassemia and hypertension. Farfel Z, et al. **Arch Intern Med** 138(12):1837–40, Dec 78

Familial hyperpotassemia and hypertension accompanied by normal plasma aldosterone levels: possible hereditary cell membrane defect. Farfel Z, et al. **Arch Intern Med** 138(12):1828–32, Dec 78

Hormonal responses during treatment of acute diabetic ketoacidosis with constant insulin infusions. Scott RS, et al. **Clin Endocrinol (Oxf)** 9(5):463–74, Nov 78

Hydrochlorothiazide and spironolactone in hypertension. Schrijver G, et al. **Clin Pharmacol Ther** 25(1):33–42, Jan 79

Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt-sensitive and salt-resistant rats. Rapp JP, et al. **Endocr Res Commun** 5(1):35–41, 1978

Seasonal changes in the electrical parameters of the small intestine, colon and bladder mucosa of land tortoises (testudo hermanni hermanni Gmelin). Gilles-Baillien M, et al. **Experientia** 34(9):1174–5, 15 Sep 78

Recent trends in methodological simplification of steroid radioimmunoassay. Malvano R, et al. **Horm Res** 9(6):422–39, 1978

Middle-altitude edema and aldosterone [letter] Wiltner W, et al. **JAMA** 241(4):360, 26 Jan 79

Role of aldosterone in the control of sodium excretion in patients with advanced chronic renal failure. Berl T, et al. **Kidney Int** 14(3):228–35, Sep 78

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855–8, 1 Sep 78

Prostaglandins in hyporeninaemic hypoaldosteronism [letter] Hahn JA, et al. **Lancet** 2(8104–5):1379, 23–30 Dec 78

Clinical experience with blockade of the renin–angiotensin–aldosterone system by an oral converting–enzyme inhibitor (SQ 14,225, captopril) in hypertensive patients. Case DB, et al. **Prog Cardiovasc Dis** 21(3):195–206, Nov–Dec 78

A new approach to the difficult assessment of aldosterone secretion in anephric patients. Pratt JH, et al. **Steroids** 32(4):487–98, Nov 78

[Aldosterone in the bovine eye] Stárka L, et al. **Cesk Oftalmol** 34(6):405–8, Nov 78 (Eng. Abstr.) **(Cze)**

[Saralasin for renovascular or essential hypertension (author's transl)] Arlart I, et al. **Dtsch Med Wochenschr** 103(45):1790–6, 10 Nov 78 (Eng. Abstr.) **(Ger)**

[Saralasin–induced changes of blood pressure, renin and aldosterone in essential and renal hypertension (author's transl)] Beyer J, et al. **Klin Wochenschr** 56(17):859–64, 1 Sep 78 (Eng. Abstr.) **(Ger)**

[Renal perfusion and the renin–angiotensin system in hepatic cirrhosis] Bosch Y, et al. **Minerva Med** 69(47):3249–55, 6 Oct 78 **(Ita)**

[Studies on hypertension: I) The effects of angiotensin II and norepinephrine infusion on renal hemodynamics and renin angiotensin system in anesthetized dogs. II) The metabolism of 3H–DOPA in two kidney Goldblatt dogs (author's transl)] Kita T. **Nippon Jinzo Gakkai Shi** 20(8):931–41, Aug 78 (Eng. Abstr.) **(Jpn)**

[Studies of urinary kallikrein in patients with various types of hypertension (relationship to renin–angiotension–aldosterone system (author's transl)] Seino M. **Nippon Jinzo Gakkai Shi** 20(8):877–87, Aug 78 (Eng. Abstr.) **(Jpn)**

[Study on etiology of hypertension in patients on chronic hemodialysis (author's transl)] Suzaki S, et al. **Nippon Jinzo Gakkai Shi** 20(8):901–8, Aug 78 (Eng. Abstr.) **(Jpn)**

[Renin–angiotensin–aldosterone system and electrolytes metabolism on furosemide stimulation test (author's transl)] Suzuki T, et al. **Nippon Jinzo Gakkai Shi** 20(7):759–69, Jul 78 (Eng. Abstr.) **(Jpn)**

[A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1262–70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Diabetes insipidus after surgery of intracranial arterial aneurysms––with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of arterial hypertension with a low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 18(11):5–11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**

[New differential diagnostic and therapeutic possibilities in arterial hypertension] Gogin EE, et al. **Klin Med (Mosk)** 56(10):30–5, Oct 78 **(Rus)**

DEFICIENCY

Differences in metabolism of corticosterone by the newborn and adult human. Honour JW, et al. **Biochem Soc Trans** 6(4):775–8, 1978

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

Management of congenital hypoaldosteronism. Sack J, et al. **Monogr Hum Genet** 10:181–4, 1978

Distal renal tubular acidosis in selective hypoaldosteronism. Barbour GL, et al. **South Med J** 71(11):1397–400, Nov 78

[Case of isolated aldosterone deficiency] Iida K, et al. **Nippon Rinsho** 36(8):2992–8, Aug 78 **(Jpn)**

IMMUNOLOGY

Production and characteristics of highly specific antibodies to aldosterone. Jowett TP, et al. **J Steroid Biochem** 6(10):1415–9, Oct 75

METABOLISM

Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin–aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33–55, Jul–Aug 78

Effect of bromocriptin on the endocrine system and fetal development. Del Pozo E, et al. **Clin Endocrinol (Oxf)** 6 Suppl:47S–55S, 1977

Gastric alkalosis. Kurtzman NA, et al. **Contrib Nephrol** 14:155–61, 1978

Aldosterone in myxoedema. Marks P, et al. **Lancet** 2(8103):1277–8, 16 Dec 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

The renin system in high blood pressure, from disbelief to reality: converting–enzyme blockade for analysis and treatment. Laragh JH. **Prog Cardiovasc Dis** 21(3):159–66, Nov–Dec 78 (24 ref.)

Distal renal tubular acidosis in selective hypoaldosteronism. Barbour GL, et al. **South Med J** 71(11):1397–400, Nov 78

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257–67, Sep 78

[Incidence of beta–blockers on plasma renin activity. Present status] Plouin PF, et al. **Nouv Presse Med** 7(31):2769–74, 20 Sep 78 (48 ref.) **(Fre)**

PHARMACODYNAMICS

Direct stimulation of human erythrocyte membrane (Na+ + k+)–mg ATPase activity in vitro by physiological concentrations of d–aldosterone. Hamlyn JM, et al. **Biochem Biophys Res Commun** 84(2):458–64, 29 Sep 78

Effects of aldosterone and spironolactone on renal ATPase activities [proceedings] Gilbert JC, et al. **Br J Pharmacol** 64(3):408P, Nov 78

Interrelations of the renal kallikrein–kinin system and renal prostaglandins in the conscious rat. Influence of mineralocorticoids. Nasjletti A, et al. **Circ Res** 43(5):799–807, Nov 78

Adrenocortical effects on carbohydrate metabolism in Anolis carolinensis. Gist DH. **Gen Comp Endocrinol** 35(4):500–2, Aug 78

Effect of aldosterone on flavin coenzyme biosynthesis in the kidney. Tan EL, et al. **J Steroid Biochem** 6(11–12):1471–5, Nov–Dec 75

Aldosterone induced changes in protein synthesis in rat intestine. Watts RW, et al. **J Steroid Biochem** 9(8):739–42, Aug 78

PHYSIOLOGY

Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin–aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33–55, Jul–Aug 78

A physiological basis for the treatment of essential hypertension. Weber MA, et al. **Bull NY Acad Med** 54(10):931–43, Nov 78

Role of aldosterone in the antihypertensive effect of spironolactone in essential hypertension. Benraad H, et al. **Clin Pharmacol Ther** 24(6):638–43, Dec 78

Renal regulation of acid–base homeostasis. Kurtzman NA, et al. **Contrib Nephrol** 14:1–13, 1978 (13 ref.)

Regulation of sodium balance in normal and edematous states. Stein JH, et al. **Contrib Nephrol** 14:25–49, 1978

Role of aldosterone in the control of sodium excretion in patients with advanced chronic renal failure. Berl T, et al. **Kidney Int** 14(3):228–35, Sep 78

[Pathogenesis of edema in pregnant women] Shekhtman MM. **Akush Ginekol (Mosk)** (11):1–5, Nov 78 (48 ref.) **(Rus)**

[Participation of the renin–angiotensin–aldosterone system in increasing arterial pressure in young children with the toxic form of pneumonia] Bezkorovainaia OI. **Pediatr Akush Ginekol** (5):17–9, Sep–Oct 78 **(Ukr)**

SECRETION

Adrenocortical metabolism of angiotensin in sheep with adrenal transplants. Lun S, et al. **Am J Physiol** 235(5):E525–31, Nov 78

The aldosterone response to surgery and the relationship of the response to postoperative sodium retention. Cochrane JP. **Br J Surg** 65(10):744–7, Oct 78

Hypertension and oral contraceptives [letter] Crane MG, et al. **Br Med J** 2(6145):1165, 21 Oct 78

Role of aldosterone in the antihypertensive effect of spironolactone in essential hypertension. Benraad H, et al. **Clin Pharmacol Ther** 24(6):638–43, Dec 78

Middle–altitude edema and aldosterone [letter] Wiltner W, et al. **JAMA** 241(4):360, 26 Jan 79

[Diabetes insipidus after surgery of intracranial arterial aneurysms––with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**

[Role of the atrial stretch receptors in the regulation of the fluids of the anesthetized dog (author's transl)] Atta AG, et al. **Rev Bras Pesqui Med Biol** 11(4-5):267-75, Oct 78 (Eng. Abstr.) **(Por)**

URINE

Effect of chlorthiazide treatment on renin-aldosterone system during pregnancy. Lammintausta R, et al. **Acta Obstet Gynecol Scand** 57(5):389-92, 1978

The renin-aldosterone system and thiazide-induced depletion of total body potassium in essential hypertension. Oh MS, et al. **Nephron** 21(5):269-76, 1978

Clinical experience with blockade of the renin-angiotensin-aldosterone system by an oral converting-enzyme inhibitor (SQ 14,225, captopril) in hypertensive patients. Case DB, et al. **Prog Cardiovasc Dis** 21(3):195-206, Nov-Dec 78

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223-32, Sep 78

[Long-term minoxidil therapy: renin, aldosterone, noradrenaline and the need for beta blockers] Jaeger P, et al. **Schweiz Med Wochenschr** 108(44):1707-9, 4 Nov 78 (Eng. Abstr.) **(Fre)**

[Degree and frequency of activation of different adrenal cortex functions in diabetes mellitus patients] Bezverkhaia TP. **Probl Endokrinol (Mosk)** 24(6):31-5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ALDOSTERONE ANTAGONISTS

Clinical experience with blockade of the renin-angiotensin-aldosterone system by an oral converting-enzyme inhibitor (SQ 14,225, captopril) in hypertensive patients. Case DB, et al. **Prog Cardiovasc Dis** 21(3):195-206, Nov-Dec 78

ANDROSTENEDIONE

Properties of the aromatase system associated with the mitochondrial fraction of human placenta. Canick JA, et al. **Steroids** 32(4):499-509, Nov 78

Canine testicular 17beta-hydroxysteroid oxidoreductase activity. I. Substrate specificity. Pittaway DE. **Steroids** 32(2):157-63, Sep 78

ANALOGS & DERIVATIVES

Effects of the aromatization inhibitor androst-4-ene-3,6,17-trione on sexual differentiation induced by testosterone in the neonatally castrated rat. Booth JE. **J Endocrinol** 79(1):69-76, Oct 78

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007-11, Oct 78

ANALYSIS

An improved method for extraction and determination of prostate concentrations of endogenous androgens. Albert J, et al. **J Steroid Biochem** 9(8):717-20, Aug 78

Radioimmunoassay of androstenedione: the steroid molecule as a probe for antibody specificity. Milewich L, et al. **J Steroid Biochem** 6(10):1381-7, Oct 75

BIOSYNTHESIS

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249-55, Sep 78

Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. Fowler RE, et al. **J Reprod Fertil** 54(1):109-17, Sep 78

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445-9, Oct 75

BLOOD

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770-9, Dec 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369-72, Sep-Oct 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313-20, Oct 78

The relation between plasma androstenedione and oestrone levels in untreated and corticosteroid-treated post-menopausal women. Marshall DH, et al. **Clin Endocrinol (Oxf)** 9(5):407-12, Nov 78

Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Roulier R, et al. **Clin Endocrinol (Oxf)** 9(4):303-11, Oct 78

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283-8, Sep 78

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560-4, Nov 78

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365-78, 1978

Plasma concentrations of luteinizing hormone, testosterone and androstenedione in castrated and adrenalectomized bull calves. Bass JJ, et al. **J Endocrinol** 79(1):137-8, Oct 78

Hormonal status in normal, osteoporotic and corticosteroid-treated postmenopausal women. Crilly R, et al. **J R Soc Med** 71(10):733-6, Oct 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134-7, Dec 78

CHEMICAL SYNTHESIS

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007-11, Oct 78

METABOLISM

The time course of the effect of hypophysectomy and oestrogen treatment on the hepatic metabolism of androst-4-ene-3,17-dione in male and female rats. Skett P. **Biochem J** 174(3):753-60, 15 Sep 78

Comparative studies on the steroid metabolism in mammals. I. Characterization of 17 beta-hydroxysteroid dehydrogenase from monkey liver. Fan DF, et al. **Gen Comp Endocrinol** 35(4):465-74, Aug 78

Distribution of androgen metabolizing enzymes in isolated tissues of human forehead and axillary skin. Hay JB, et al. **J Endocrinol** 79(1):29-39, Oct 78

Androgens in testes and adrenal glands of the fetal pig. Segal DH, et al. **J Steroid Biochem** 6(10):1439-44, Oct 75

Androgen metabolism in the dog. Yamamoto Y, et al. **J Steroid Biochem** 9(8):743-50, Aug 78

Androgen metabolism in the baboon: a comparison with the human. Yamamoto Y, et al. **J Steroid Biochem** 9(8):751-9, Aug 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187-201, Sep 78

PHARMACODYNAMICS

Virilizing effect of testosterone and its metabolites on the urovaginal septum of female fetal rats. Kawashima K, et al. **Endocrinol Jpn** 25(4):309-13, Aug 78

Effects of the aromatization inhibitor androst-4-ene-3,6,17-trione on sexual differentiation induced by testosterone in the neonatally castrated rat. Booth JE. **J Endocrinol** 79(1):69-76, Oct 78

Suppression of sebaceous gland development in laboratory animals by 17alpha-propyltestosterone. Ferrari RA, et al. **J Invest Dermatol** 71(5):320-3, Nov 78

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007-11, Oct 78

SECRETION

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770-9, Dec 78

[12 cases of polycystic ovary type I (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191-9, 1978 (Eng. Abstr.) **(Fre)**

ANDROSTERONE

ANALOGS & DERIVATIVES

[Profiles in chronic diseases. I. Investigations of steroid profiles in uremia (author's transl)] Ludwig H, et al. **J Chromatogr** 146(3):381–91, 1 Nov 78 (Eng. Abstr.) **(Ger)**

BLOOD

[Profiles in chronic diseases. I. Investigations of steroid profiles in uremia (author's transl)] Ludwig H, et al. **J Chromatogr** 146(3):381–91, 1 Nov 78 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Virilizing effect of testosterone and its metabolites on the urovaginal septum of female fetal rats. Kawashima K, et al. **Endocrinol Jpn** 25(4):309–13, Aug 78

URINE

Levels of principal 17-ketosteroid fractions in urine of breast cancer patients with or without malignant evolutive push. Kiricuta I, et al. **Arch Geschwulstforsch** 48(6):565–8, 1978

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78

High-resolution biomedical gas chromatography. Study of urinary steroid metabolite ratios of women with breast lesions using open-tubular glass capillary columns. Pfaffenberger CD, et al. **J Chromatogr** 158:313–30, 1 Oct 78

BECLOMETHASONE

ADMINISTRATION & DOSAGE

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387–92, 21 Dec 78

PHARMACODYNAMICS

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387–92, 21 Dec 78

THERAPEUTIC USE

Steroid-dependent asthma treated with inhaled beclomethasone dipropionate in children. Richards W, et al. **Ann Allergy** 41(5):274–7, Nov 78

Asthma in adult patients. Swinburn PD. **NZ Med J** 88(619):204–7, 13 Sep 78

BETAMETHASONE

ANALOGS & DERIVATIVES

Plasma cortisol values after topical application of diflucortolone valerate (0.3%) or clobetasol propionate (0.05%) in psoriatic patients. Keczkes K, et al. **Br J Dermatol** 99(4):417–20, Oct 1978

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

A study of the comparative efficacy of diflucortolone valerate 0.3% ointment and clobetasol propionate 0.05% ointment. Wendt H, et al. **Br J Dermatol** 99(4):411–6, Oct 1978

Plasma cortisol levels in normal volunteers receiving either betamethasone valerate or desoximetasone by topical application. Bromley PA, et al. **S Afr Med J** 54(6):239–41, 5 Aug 78

PHARMACODYNAMICS

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

THERAPEUTIC USE

Prolactin in umbilical cord blood and the respiratory distress syndrome. Gluckman PD, et al. **J Pediatr** 93(6):1011–4, Dec 78

BETAMETHASONE 17-VALERATE

ADMINISTRATION & DOSAGE

Plasma cortisol levels in normal volunteers receiving either betamethasone valerate or desoximetasone by topical application. Bromley PA, et al. **S Afr Med J** 54(6):239–41, 5 Aug 78

PHARMACODYNAMICS

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

Plasma cortisol levels in normal volunteers receiving either betamethasone valerate or desoximetasone by topical application. Bromley PA, et al. **S Afr Med J** 54(6):239–41, 5 Aug 78

CLOBETASOL

ANALOGS & DERIVATIVES

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

PHARMACODYNAMICS

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

THERAPEUTIC USE

Plasma cortisol values after topical application of diflucortolone valerate (0.3%) or clobetasol propionate (0.05%) in psoriatic patients. Keczkes K, et al. **Br J Dermatol** 99(4):417–20, Oct 1978

A study of the comparative efficacy of diflucortolone valerate 0.3% ointment and clobetasol propionate 0.05% ointment. Wendt H, et al. **Br J Dermatol** 99(4):411–6, Oct 1978

CORTICOSTERONE

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98–107, Nov-Dec 78 (134 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

The adrenal rhythm and puberty onset in the female rat. Ramaley JA. **Life Sci** 23(21):2079–87, 20 Nov 78 (37 ref.)

ANALOGS & DERIVATIVES

Influences of op'DDD, op'DDE and solubilization procedures on the in vitro biosynthesis of 18-hydroxycorticosterone and aldosterone by sheep adrenals. Touitou Y, et al. **Int J Biochem** 9(9):691–5, 1978

ANALYSIS

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Changes in the adrenal cortex during adaptation to different regimes of motor activity] Seene TP, et al. **Fiziol Zh SSSR** 64(10):1444–50, Oct 78 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):737–43, Dec 78

Adenosine 3':5'-cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Bing RF, et al. **Biochem J** 176(1):39-45, 15 Oct 78

On the role of intra-adrenal unesterified cholesterol in the steroidogenic effect of corticotropin. Farese RV, et al. **Biochim Biophys Acta** 544(1):77-84, 15 Nov 78

cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri) Chavin W, et al. **Gen Comp Endocrinol** 35(4):445-50, Aug 78

Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea-pig adrenals. Patwardhan VV, et al. **J Steroid Biochem** 6(10):1451-4, Oct 75

Effects of ionophore A23187 on in vitro rat adrenal corticosterone production. Lymangrover JR, et al. **Life Sci** 23(11):1193-9, 18 Sep 78

BLOOD

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing agonists and antagonists. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):726-36, Dec 78

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):737-43, Dec 78

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210-8, Nov 78

Plasma concentrations of total and free corticosterone during development in the rat. Henning SJ. **Am J Physiol** 235(5):E451-6, Nov 78

Endogenous ultradian rhythms in rats exposed to prolonged continuous light. Honma KI, et al. **Am J Physiol** 235(5):R250-6, Nov 78

Internal synchronization among several circadian rhythms in rats under constant light. Honma KI, et al. **Am J Physiol** 235(5):R243-9, Nov 78

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1-15, Mar 78

The therapeutic use of glucocorticoid hormones in the perinatal period: potential neurological hazards. Weichsel ME Jr. **Ann Neurol** 2(5):364-6, Nov 77

Effects of althesin and ketamine on resting and stress stimulated adrenocortical activity in rats. Nisticò G, et al. **Br J Anaesth** 50(9):891-7, Sep 78

Morphological changes in the rat supraoptic and paraventricular nuclei during the diurnal cycle. Armstrong WE, et al. **Brain Res** 157(2):407-13, 24 Nov 78

Corticosteroid response of rabbits and rats to exogenous ACTH. Boiti C, et al. **Endocr Res Commun** 5(1):21-33, 1978

The effect of quipazine, a serotonin receptor agonist, on serum corticosterone concentration in rats. Fuller RW, et al. **Endocr Res Commun** 5(2):161-71, 1978

Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt-sensitive and salt-resistant rats. Rapp JP, et al. **Endocr Res Commun** 5(1):35-41, 1978

Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Tureková L, et al. **Endocrinol Exp (Bratisl)** 12(3):171-8, Sep 78

Effect of thyroidectomy on the secretory profiles of growth hormone, thyrotropin and corticosterone in the rat. Takeuchi A, et al. **Endocrinol Jpn** 25(4):381-90, Aug 78

Studies on adrenaline-induced lipolysis in adrenalectomized rats. Yamada K, et al. **Endocrinol Jpn** 25(4):315-20, Aug 78

Aspirin- and indomethacin-induced ulcers and their antagonism by antihistamines. Brown PA, et al. **Eur J Pharmacol** 51(3):275-83, 1 Oct 78

The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67-94. Fuxe K, et al. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359-66, Sep 78

Postnatal endocrine dysfunction induced by prenatal methylmercury or cadmium exposure in mice. Grady RR, et al. **J Environ Pathol Toxicol** 1(3):187-97, Jan-Feb 78

Diet-hormone interrelationships in the rat. Edozien JC, et al. **J Nutr** 108(11):1767-76, Nov 78

Glucocorticoid binding and response in rat liver and diethylnitrosamine (DENA)-induced hepatomas. Snart RS, et al. **J Steroid Biochem** 9(8):709-15, Aug 78

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855-8, 1 Sep 78

The adrenal rhythm and puberty onset in the female rat. Ramaley JA. **Life Sci** 23(21):2079-87, 20 Nov 78 (37 ref.)

Abnormal stress reactions after feeding diets rich in (very) long-chain fatty acids: high levels of corticosterone and testosterone. Hülsmann WC. **Mol Cell Endocrinol** 12(1):1-8, Oct 78

Effects of extended training on rats depleted of central and/or peripheral catecholamines. Oei TP, et al. **Pharmacol Biochem Behav** 9(2):243-7, Aug 78

Hippocampal aging and adrenocorticoids: quantitative correlations. Landfield PW, et al. **Science** 202(4372):1098-102, 8 Dec 78

Delay in postnatal growth and development of offspring produced by maternal restraint stress during pregnancy in the rat. Barlow SM, et al. **Teratology** 18(2):211-8, Oct 78

[The effect of dexamethasone on histamine concentration in the lungs and on serum corticosterone in rats following inhalation of NO] Vyskočil A, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 21(3):319-25, 1978 (Eng. Abstr.) **(Cze)**

[Measurement of rat serum corticosterone using radiostereoassay kit for cortisol (author's transl)] Hosogi H, et al. **Jikken Dobutsu** 27(3):289-93, Jul 78 (Eng. Abstr.) **(Jpn)**

[Age and reduction in the sensitivity of the hypothalamo-hypophyseal complex to the inhibiting effect of dexamethasone. Effect of stress, polypeptide epiphyseal extract and phenformin] Ostroumova MN. **Probl Endokrinol (Mosk)** 24(6):59-64, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Change in the specific functions of cells under the influence of antibodies] Zaĭchik ASh. **Tsitologiia** 20(9):1070-4, Sep 78 (Eng. Abstr.) **(Rus)**

[Relationship between plasma levels of cortisol and corticosterone in subjects with different ACTH activity (author's transl)] Rodríguez JA, et al. **Rev Med Chil** 106(6):415-9, Jun 78 (Eng. Abstr.) **(Spa)**

METABOLISM

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210-8, Nov 78

The effect of some centrally active drugs on corticosterone secretion and metabolism in rats. Chan MY, et al. **Clin Exp Pharmacol Physiol** 5(6):641-7, Nov-Dec 78

Effects of calcium and magnesium ions on the interaction of corticosterone with rat brain cytosol receptor(s). Nakai T, et al. **Endocr Res Commun** 5(2):81-90, 1978

Acylation of [3H]corticosterone by acini from mammary gland of lactating rats. Localization of the acylated glucocorticoid in the nuclear fraction. Hampel MR, et al. **J Biol Chem** 253(23):8545-53, 10 Dec 78

Postnatal endocrine dysfunction induced by prenatal methylmercury or cadmium exposure in mice. Grady RR, et al. **J Environ Pathol Toxicol** 1(3):187-97, Jan-Feb 78

Glucocorticoid-binding proteins of rat heart cytosol and their possible role in the transfer of glucocorticoids into nuclei. Seleznev UM, et al. **J Mol Cell Cardiol** 10(10):877-91, Oct 78

Effects of corticosterone on endogenous metabolism in the isolated perfused liver of normal and prematurely weaned rats. Macho L, et al. **Physiol Bohemoslov** 27(6):493-500, 1978

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257-67, Sep 78

PHARMACODYNAMICS

Control of globin gene expression by steroid hormones in differentiating Friend leukemia cells. Lo SC, et al. **Cell** 15(2):447-53, Oct 78

Adrenocortical effects on carbohydrate metabolism in Anolis carolinensis. Gist DH. **Gen Comp Endocrinol** 35(4):500-2, Aug 78

Effect of aldosterone on flavin coenzyme biosynthesis in the kidney. Tan EL, et al. **J Steroid Biochem** 6(11-12):1471-5, Nov-Dec 75

The adrenal rhythm and puberty onset in the female rat. Ramaley JA. **Life Sci** 23(21):2079-87, 20 Nov 78 (37 ref.)

ACTH, but not corticosterone impairs habituation and reduces exploration. File SE. **Pharmacol Biochem Behav** 9(2):161-6, Aug 78

Effects of corticosterone on endogenous metabolism in the isolated perfused liver of normal and prematurely weaned rats. Macho L, et al. **Physiol Bohemoslov** 27(6):493-500, 1978

Influence of temperature on the immune response of birds. Thaxton P. **Poult Sci** 57(5):1430-40, Sep 78 (73 ref.)

The role of cyclic AMP in CRF-induced ACTH secretion.

Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

Prostaglandin E production by cultured inflamed rat synovium; stimulation by colchicine and inhibition by chloroquine. Floman Y. **Prostaglandins Med** 1(1):39–48, Jul 78

On possible involvement of adrenocorticoids in chicken spleen development. Betz TW, et al. **Rev Can Biol** 37(3):181–8, Sep 78

PHYSIOLOGY

Evidence for the involvement of corticosterone in the ontogeny of the cellular immune apparatus of the mouse. van Dijk H, et al. **Immunology** 35(4):637–42, Oct 78

SECRETION

Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Perrin F, et al. **Ann Biomed Eng** 6(1):1–15, Mar 78

Effect of psychosocial stimuli and limbic lesions on prolactin at rest and following stress. Brown GM, et al. **Clin Endocrinol (Oxf)** 6 Suppl:29S–41S, 1977

The effect of some centrally active drugs on corticosterone secretion and metabolism in rats. Chan MY, et al. **Clin Exp Pharmacol Physiol** 5(6):641–7, Nov–Dec 78

URINE

Differences in metabolism of corticosterone by the newborn and adult human. Honour JW, et al. **Biochem Soc Trans** 6(4):775–8, 1978

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223–32, Sep 78

CORTISONE

Allophenic mice in cleft-palate investigations. Sulik KM, et al. **J Embryol Exp Morphol** 47:169–77, Oct 78

[Influence of hydrone on the dental pulp as compared to other drugs] Bílý B, et al. **Polim Med** 8(2):65–79, 1978 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Frapper fort ou frapper doucement: a gram-negative dilemma. Hopkin DA. **Lancet** 2(8101):1193–4, 2 Dec 78

ADVERSE EFFECTS

Changes in the red cell, plasma and inulin spaces and in the total water contents of rat femurs in cortisone induced osteoporosis. Lien J, et al. **Calcif Tissue Res** 25(3):245–8, 18 Aug 78

[Drug administration and endoscopic findings] Pohle W, et al. **Med Welt** 29(50):1968–9, 15 Dec 78 **(Ger)**

DIAGNOSTIC USE

[Hormones and differentiation of retinal ganglion cells during embryogenesis of mice of the mutant line ocular retardation (karyometric study)] Alekseev EI. **Arkh Anat Gistol Embriol** 75(9):106–11, Sep 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Ornithine decarboxylase activity in lymphoid tissues of rats: effects of glucocorticoids. Richards JF. **Life Sci** 23(15):1619–23, 16 Oct 78

The relationship of amniotic membrane 11-oxidoreductase activity to lung maturation in the human fetus. Tanswell AK, et al. **Pediatr Res** 12(10):957–60, Oct 78

PHARMACODYNAMICS

Effect of urethan on the induction of ornithine decarboxylase in regenerating rat liver. Matsui I, et al. **Biochim Biophys Acta** 544(2):372–80, 1 Dec 78

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698–710, Dec 78 (47 ref.)

Properties of reticulum cell sarcomas in SJL/J mice VI. Characterization of lymphoid cells that proliferate in response to RCS cells. Ponzio NM, et al. **Cell Immunol** 41(1):157–71, Nov 78

Pregnant mare's serum gonadotropin: V. Indomethacin or cortisone and the reversal of antifertility efficacy of pregnant mare's serum gonadotropin. Gupta T, et al. **Contraception** 17(6):547–52, Jun 78

Relationship between lymphoid cell population and levels of cholesterol or phospholipids. Kigoshi S. **Experientia** 34(9):1222–4, 15 Sep 78

Prenatal development of acid beta-glycosidases in the rat liver, effect of triiodothyronine or cortisone administered to pregnant rats. Horowitz C, et al. **Horm Metab Res** 10(5):425–8, Sep 78

Mechanism of action of hydrocortisone potentiation of sulfogalactosylceramide synthesis in mouse oligodendroglioma clonal cell lines. Dawson G, et al. **J Biol Chem** 254(1):163–7, 10 Jan 79

Effects of cortisone acetate on the lysosomal system of Yoshida ascites sarcoma cells studied by a 1,000 KV electron microscope. Abe S, et al. **J Electron Microsc (Tokyo)** 26 Suppl:367–70, 1977

5'-Nucleotidase activity in subpopulations of rat lymphocytes. Barton RW, et al. **J Immunol** 121(6):2329–34, Dec 78

Differential protective effects of immune lymphoid cells against transplanted line Ib leukemia and immune polioencephalomyelitis. Duffey PS, et al. **J Immunol** 121(6):2316–21, Dec 78

The effect of several lymphocytotoxic agents on murine leukemogenesis. Menahan LA, et al. **Life Sci** 23(16):1687–92, 23 Oct 78

The effects of neonatal stunting on the development of rats: effects of early single dose cortisone on dental development and maturation of nursling and mature rats. Diner H, et al. **Pediatr Res** 12(9):948–51, Sep 78

Effects of neonatal stunting on the development of rats: early and late effects of neonatal cortisone on physical growth and skeletal maturation. Sobel EH. **Pediatr Res** 12(9):945–7, Sep 78

[Induction of tyrosine aminotransferase (EC 2.5.1.5) by nicotinamide in rat liver (author's transl)] Kröger H, et al. **J Clin Chem Clin Biochem** 16(9):525–9, Sep 78 (Eng. Abstr.) **(Ger)**

[Effect of cortisone acetate on acid mucopolysaccharide (glycosaminoglycans) content in rabbit kidney] Chocha A. **Endokrynol Pol** 29(5):391–7, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

[Comments on methods of treatment of induration penis plastica (author's transl)] Leńko J. **Cas Lek Cesk** 117(37):1166–8, 15 Sep 78 (Eng. Abstr.) **(Cze)**

[Therapy of giant-cell hepatitis (letter)] Teller WM. **Dtsch Med Wochenschr** 103(45):1774, 10 Nov 78 **(Ger)**

[A clinical report of luetic hearing loss (author's transl)] von Schulthess G. **HNO** 26(11):374–6, Nov 78 **(Ger)**

[Problems in ulcerative colitis] Husslein P, et al. **Wien Med Wochenschr** 128(20):650–1, 1978 **(Ger)**

TOXICITY

Use of dose-response relationships to discriminate between the mechanisms of cleft-palate induction by different teratogens: an argument for discussion. Biddle FG. **Teratology** 18(2):247–52, Oct 78

DEHYDROEPIANDROSTERONE

3beta-Hydroxysteroid dehydrogenase activity in human fetal membranes. Gibb W, et al. **Steroids** 32(3):365–72, Oct 78

Canine testicular 17beta-hydroxysteroid oxidoreductase activity. I. Substrate specificity. Pittaway DE. **Steroids** 32(2):157–63, Sep 78

ADMINISTRATION & DOSAGE

A study on the effect of dehydroepiandrosterone sulfate on so-called cervical ripening. Mochizuki M, et al. **Acta Obstet Gynecol Scand** 57(5):397–401, 1978

ANALOGS & DERIVATIVES

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519–27, Nov 78

BLOOD

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369-72, Sep-Oct 78

Prolactin in umbilical cord blood and the respiratory distress syndrome. Gluckman PD, et al. **J Pediatr** 93(6):1011-4, Dec 78

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392-6, 21 Dec 78

Serum cortisol and dehydroepiandrosterone sulfate responses to adrenocorticotropin stimulation in premature infants. Noguchi A, et al. **Pediatr Res** 12(11):1057-61, Nov 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134-7, Dec 78

Treatment of advanced cancer of prostate with megestrol acetate. Geller J, et al. **Urology** 12(5):537-41, Nov 78

[Profiles in chronic diseases. I. Investigations of steroid profiles in uremia (author's transl)] Ludwig H, et al. **J Chromatogr** 146(3):381-91, 1 Nov 78 (Eng. Abstr.) **(Ger)**

[Determination of serum dehydroepiandrosterone sulfate in children and its clinical significance] Koshimizu T. **Horumon To Rinsho** 26(11):1120-5, Nov 78 **(Jpn)**

CHEMICAL SYNTHESIS

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519-27, Nov 78

DIAGNOSTIC USE

Unconjugated oestetrol in plasma in response to an intravenous load of dehydroepiandrosterone sulphate (DHAS) in uncomplicated and complicated human pregnancy. Axelsson O. **Acta Endocrinol (Copenh)** 89(4):753-62, Dec 78

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801-7, May-Jun 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Enzyme histochemical and electron microscopic study of a virilizing adrenocortical adenoma. Aiba M, et al. **Acta Pathol Jpn** 28(4):615-26, Jul 78

Comparative studies on the steroid metabolism in mammals. I. Characterization of 17 beta-hydroxysteroid dehydrogenase from monkey liver. Fan DF, et al. **Gen Comp Endocrinol** 35(4):465-74, Aug 78

Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. Fowler RE, et al. **J Reprod Fertil** 54(1):109-17, Sep 78

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519-27, Nov 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187-201, Sep 78

[Absorption, excretion and metabolism of dehydroepiandrosterone sulfate in rabbits (author's transl)] Awata N, et al. **Yakugaku Zasshi** 98(7):880-5, Jul 78 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

A study on the effect of dehydroepiandrosterone sulfate on so-called cervical ripening. Mochizuki M, et al. **Acta Obstet Gynecol Scand** 57(5):397-401, 1978

In vitro and in vivo inhibitory effect of dehydroepiandrosterone on respiration. Sonka J, et al. **Endocrinol Exp (Bratisl)** 12(3):165-9, Sep 78

URINE

Levels of principal 17-ketosteroid fractions in urine of breast cancer patients with or without malignant evolutive push. Kiricuta I, et al. **Arch Geschwulstforsch** 48(6):565-8, 1978

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389-99, Nov 78

DESOXYCORTICOSTERONE

The occurrence of 11-deoxycorticosterone (DOC)-induced hypertension in the Long-Evans rat. Brownie AC, et al. **Endocr Res Commun** 5(1):71-80, 1978

BLOOD

Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt-sensitive and salt-resistant rats. Rapp JP, et al. **Endocr Res Commun** 5(1):35-41, 1978

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855-8, 1 Sep 78

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387-92, 21 Dec 78

METABOLISM

Inhibition of fetal adrenal 21-hydroxylase by naturally occurring steroids. Yoshida N, et al. **Endocrinol Jpn** 25(4):349-53, Aug 78

PHARMACODYNAMICS

Induction of oocytic maturation and differentiation: mode of progesterone action. Schuetz AW. **Ann NY Acad Sci** 286:408-20, 11 Mar 77 (60 ref.)

Influence of hydrocortisone on the modulation of the inflammatory response. Tolone G, et al. **Br J Exp Pathol** 59(4):366-72, Aug 78

The effect of SQ 14225 on fluid intake in DOCA/salt hypertensive rats [proceedings] Dean HG, et al. **Br J Pharmacol** 64(3):390P-391P, Nov 78

Interrelations of the renal kallikrein-kinin system and renal prostaglandins in the conscious rat. Influence of mineralocorticoids. Nasjletti A, et al. **Circ Res** 43(5):799-807, Nov 78

Regulation of sodium balance in normal and edematous states. Stein JH, et al. **Contrib Nephrol** 14:25-49, 1978

Aldosterone induced changes in protein synthesis in rat intestine. Watts RW, et al. **J Steroid Biochem** 9(8):739-42, Aug 78

[Role of the atrial stretch receptors in the regulation of the fluids of the anesthetized dog (author's transl)] Atta AG, et al. **Rev Bras Pesqui Med Biol** 11(4-5):267-75, Oct 78 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Management of congenital hypoaldosteronism. Sack J, et al. **Monogr Hum Genet** 10:181-4, 1978

URINE

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223-32, Sep 78

DEXAMETHASONE

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98-107, Nov-Dec 78 (134 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth. Panaretto BA, et al. **Aust J Biol Sci** 31(3):247-55, Jun 78

Dexamethasone in acute stroke. Mulley G, et al. **Br Med J** 2(6143):994-6, 7 Oct 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118-20, 1977

ANALOGS & DERIVATIVES

Plasma cortisol levels in normal volunteers receiving either betamethasone valerate or desoximetasone by topical

application. Bromley PA, et al. **S Afr Med J** 54(6):239–41, 5 Aug 78

BLOOD

Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth. Panaretto BA, et al. **Aust J Biol Sci** 31(3):247–55, Jun 78

DIAGNOSTIC USE

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Diagnostic approach to the hirsute patient. Genazzani AR, et al. **Horm Res** 9(6):379–93, 1978

Neuroendocrine procedures for the diagnosis of depression. pp. 231–6. Carroll BJ.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855–8, 1 Sep 78

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223–32, Sep 78

METABOLISM

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77

Uptake and binding of glucocorticoids in fish tissues. Porthé-Nibelle J, et al. **J Endocrinol** 78(3):407–16, Sep 78

Glucocorticoid-binding proteins of rat heart cytosol and their possible role in the transfer of glucocorticoids into nuclei. Seleznev UM, et al. **J Mol Cell Cardiol** 10(10):877–91, Oct 78

Glucocorticoid binding and response in rat liver and diethylnitrosamine (DENA)-induced hepatomas. Snart RS, et al. **J Steroid Biochem** 9(8):709–15, Aug 78

Sensitivity to glucocorticoids of lymph node cells stimulated in vivo by oxazolone. Venetianer A, et al. **Scand J Immunol** 8(4):355–62, 1978

PHARMACODYNAMICS

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing agonists and antagonists. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):726–36, Dec 78

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210–8, Nov 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77

Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth. Panaretto BA, et al. **Aust J Biol Sci** 31(3):247–55, Jun 78

Zinc accumulation and metabolism in primary cultures of adult rat liver cells. Regulation by glucocorticoids. Failla ML, et al. **Biochim Biophys Acta** 543(3):293–304, 18 Oct 78

Lipoprotein lipase of cultured mesenchymal rat heart cells. III. Effect of glucocorticoids and insulin on enzyme formation. Friedman G, et al. **Biochim Biophys Acta** 531(2):222–32, 22 Nov 78

Effect of urethan on the induction of ornithine decarboxylase in regenerating rat liver. Matsui I, et al. **Biochim Biophys Acta** 544(2):372–80, 1 Dec 78

Control of globin gene expression by steroid hormones in differentiating Friend leukemia cells. Lo SC, et al. **Cell** 15(2):447–53, Oct 78

Corticosteroids and the humoral immune response of mice i. Differential effect of corticosteroids upon antibody formation to sheep red blood cells in spleen and bone marrow. Benner R, et al. **Cell Immunol** 41(1):52–61, Nov 78

Messenger RNA activities for two liver enzymes, tyrosine aminotransferase and tryptophan oxygenase, in Morris hepatoma 5123C and 9618A and in HTC cells. Correlation with enzyme activities. Hofer E, et al. **Eur J Biochem** 91(1):223–9, 2 Nov 78

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283–8, Sep 78

Mechanism of action of hydrocortisone potentiation of sulfogalactosylceramide synthesis in mouse oligodendroglioma clonal cell lines. Dawson G, et al. **J Biol Chem** 254(1):163–7, 10 Jan 79

Inhibition of steroid-induced immune suppression by adjuvant stimulated accessory cells. Mishell RI, et al. **J Reticuloendothel Soc** 24(4):439–47, Oct 78 (10 ref.)

Diurnal variations in inducibility of rat liver tyrosine aminotransferase activity. Gurr JA, et al. **Life Sci** 23(12):1301–8, 25 Sep 78

Ornithine decarboxylase activity in lymphoid tissues of rats: effects of glucocorticoids. Richards JF. **Life Sci** 23(15):1619–23, 16 Oct 78

Fibrinogen synthesis in serum-free hepatocyte cultures: stimulation by glucocorticoids. Grieninger G, et al. **Proc Natl Acad Sci USA** 75(11):5506–10, Nov 78

Prostaglandin E production by cultured inflamed rat synovium; stimulation by colchicine and inhibition by chloroquine. Floman Y. **Prostaglandins Med** 1(1):39–48, Jul 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118–20, 1977

[Neuroendocrinological studies of affective disorders (author's transl)] Matussek N. **Nervenarzt** 49(10):569–75, Oct 78 **(Ger)**

[Measurement of rat serum corticosterone using radiostereoassay kit for cortisol (author's transl)] Hosogi H, et al. **Jikken Dobutsu** 27(3):289–93, Jul 78 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay for plasma pregnenolone. Dexamethasone suppressibility of plasma pregnenolone (author's transl)] Nishida S, et al. **Radioisotopes** 27(9):543–6, Sep 78 **(Jpn)**

[Effect of dexamethasone on water-salt metabolism and renal function in healthy humans] Noskov VB, et al. **Farmakol Toksikol** 41(6):704–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Age and reduction in the sensitivity of the hypothalamo-hypophyseal complex to the inhibiting effect of dexamethasone. Effect of stress, polypeptide epiphyseal extract and phenformin] Ostroumova MN. **Probl Endokrinol (Mosk)** 24(6):59–64, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Dexamethasone in acute stroke. Mulley G, et al. **Br Med J** 2(6143):994–6, 7 Oct 78

[Steroid inhalation therapy] Witek F. **Wien Med Wochenschr** 128(18):603–5, 10 Oct 78 **(Ger)**

ESTRONE

The solubilization of progesterone by mixed bile salt-phospholipid sols. Martin GP, et al. **Chem Phys Lipids** 22(3):227–38, Oct 78

Canine testicular 17beta-hydroxysteroid oxidoreductase activity. I. Substrate specificity. Pittaway DE. **Steroids** 32(2):157–63, Sep 78

ADMINISTRATION & DOSAGE

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128–32, 1978

ANALOGS & DERIVATIVES

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297–302, Oct 78

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov–Dec 75

Enterohepatic cycling of 3H-estrone in the bull: identification of estrone-3-glucuronide. Leung BS, et al. **J Steroid Biochem** 6(11-12):1477-81, Nov-Dec 75

ANALYSIS

High-pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. Roos RW. **J Pharm Sci** 67(12):1735-9, Dec 78

BIOSYNTHESIS

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249-55, Sep 78

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007-11, Oct 78

Conversion, in vitro, of (7n-3H) testosterone to estrone and estradiol-17beta and their 3-sulfate conjugate by the guinea-pig placenta. Adessi GL, et al. **Steroids** 32(3):295-306, Oct 78

Kinetics of testosterone metabolism in normal postmenopausal women and women with breast cancer. Bird CE, et al. **Steroids** 32(3):323-35, Oct 78

BLOOD

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1-70, 1978 (121 ref.)

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369-72, Sep-Oct 78

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297-302, Oct 78

The relation between plasma androstenedione and oestrone levels in untreated and corticosteroid-treated post-menopausal women. Marshall DH, et al. **Clin Endocrinol (Oxf)** 9(5):407-12, Nov 78

Recent trends in methodological simplification of steroid radioimmunoassay. Malvano R, et al. **Horm Res** 9(6):422-39, 1978

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365-78, 1978

Effect of season and artificial photoperiod on levels of estradiol-17beta and estrone in blood serum of stallions. Thompson DL, et al. **J Anim Sci** 47(1):184-7, Jul 78

Hormonal status in normal, osteoporotic and corticosteroid-treated postmenopausal women. Crilly R, et al. **J R Soc Med** 71(10):733-6, Oct 78

The binding of sex steroids in human maternal and fetal blood at different stages of gestation. Abramovich DR, et al. **J Steroid Biochem** 9(8):791-4, Aug 78

An assessment of the total estrone, estradiol-17beta and estriol in high risk pregnancy plasma. Mathur RS, et al. **J Steroid Biochem** 6(10):1421-7, Oct 75

Pineal gland, F.S.H., and breast-cancer aetiology [letter] Adami HO, et al. **Lancet** 2(8103):1312-3, 16 Dec 78

Oestrogens, myocardial infarction, and smoking [letter] Carr D. **Lancet** 2(8098):1048, 11 Nov 78

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102-3, 18 Nov 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134-7, Dec 78

METABOLISM

DNA, protein and specific [3H]-estradiol binding in the nuclear fractions of fetal guinea pig kidney and lung during fetal development. Sumida C, et al. **Biol Reprod** 19(2):338-45, Sep 78

Comparative studies on the steroid metabolism in mammals. I. Characterization of 17 beta-hydroxysteroid dehydrogenase from monkey liver. Fan DF, et al. **Gen Comp Endocrinol** 35(4):465-74, Aug 78

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128-32, 1978

In vitro conversion of estradiol-17beta into estrone in normal human myometrium and leiomyoma. Pollow K, et al. **J Clin Chem Clin Biochem** 16(9):493-502, Sep 78

Metabolism of estradiol-17beta in human endometrium during the menstrual cycle. Buirchell BJ, et al. **J Steroid Biochem** 6(11-12):1489-94, Nov-Dec 75

Metabolism of estrone and progesterone in vitro in human saliva. Elattar TM. **J Steroid Biochem** 6(10):1455-8, Oct 75

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11-12):1517-22, Nov-Dec 75

Enterohepatic cycling of 3H-estrone in the bull: identification of estrone-3-glucuronide. Leung BS, et al. **J Steroid Biochem** 6(11-12):1477-81, Nov-Dec 75

Binding characteristics of estrone, estradiol and estriol to the human myometrial estrogen receptor. Lövgren T, et al. **J Steroid Biochem** 9(8):803-9, Aug 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609-12, Nov 78

Metabolic influences on the action of estrogens: therapeutic implications. Gurpide E. **Pediatrics** 62(6 Pt 2):1114-20, Dec 78

PHARMACODYNAMICS

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698-710, Dec 78 (47 ref.)

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297-302, Oct 78

Role of hypothalamic alpha and beta adrenergic receptors in the control of lordotic behavior in the ovariectomized-estrogen primed rat. Foreman MM, et al. **Pharmacol Biochem Behav** 9(2):235-41, Aug 78

THERAPEUTIC USE

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297-302, Oct 78

ETIOCHOLANOLONE

ANALOGS & DERIVATIVES

[Profiles in chronic diseases. I. Investigations of steroid profiles in uremia (author's transl)] Ludwig H, et al. **J Chromatogr** 146(3):381-91, 1 Nov 78 (Eng. Abstr.) **(Ger)**

BLOOD

[Profiles in chronic diseases. I. Investigations of steroid profiles in uremia (author's transl)] Ludwig H, et al. **J Chromatogr** 146(3):381-91, 1 Nov 78 (Eng. Abstr.) **(Ger)**

URINE

Levels of principal 17-ketosteroid fractions in urine of breast cancer patients with or without malignant evolutive push. Kiricuta I, et al. **Arch Geschwulstforsch** 48(6):565-8, 1978

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389-99, Nov 78

High-resolution biomedical gas chromatography. Study of urinary steroid metabolite ratios of women with breast lesions using open-tubular glass capillary columns. Pfaffenberger CD, et al. **J Chromatogr** 158:313-30, 1 Oct 78

FLUDROCORTISONE

PHARMACODYNAMICS

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710-25, Dec 78

Effect of aldosterone on flavin coenzyme biosynthesis in the kidney. Tan EL, et al. **J Steroid Biochem** 6(11-12):1471-5, Nov-Dec 75

THERAPEUTIC USE

Distal renal tubular acidosis in selective hypoaldosteronism. Barbour GL, et al. **South Med J** 71(11):1397-400, Nov 78

FLUOCINOLONE ACETONIDE

ADVERSE EFFECTS

Double-blind trial comparing flunisolide and placebo for the treatment of perennial rhinitis. Schulz JI, et al. **Clin Allergy** 8(4):313-20, Jul 78

ANALOGS & DERIVATIVES

Double-blind trial comparing flunisolide and placebo for the treatment of perennial rhinitis. Schulz JI, et al. **Clin Allergy** 8(4):313-20, Jul 78

Treatment of non-inflammatory dermatoses. A double-blind comparison of 1% hydrocortisone plus 10% urea and 0.05% fluocinonide. Khan SA. **Practitioner** 221(1322):265-7, Aug 78

THERAPEUTIC USE

Double-blind trial comparing flunisolide and placebo for the treatment of perennial rhinitis. Schulz JI, et al. **Clin Allergy** 8(4):313-20, Jul 78

FLUOCINONIDE

THERAPEUTIC USE

Treatment of non-inflammatory dermatoses. A double-blind comparison of 1% hydrocortisone plus 10% urea and 0.05% fluocinonide. Khan SA. **Practitioner** 221(1322):265-7, Aug 78

FLUOCORTOLONE

ADMINISTRATION & DOSAGE

[Comparative testing of diflucortolon-21-valerate creme and hydrocortisone-17-butyrate creme in patients with dermatoses] Grejs J. **Ther Ggw** 117(12):1930-7, Dec 78 **(Ger)**

ANALOGS & DERIVATIVES

[Comparative testing of diflucortolon-21-valerate creme and hydrocortisone-17-butyrate creme in patients with dermatoses] Grejs J. **Ther Ggw** 117(12):1930-7, Dec 78 **(Ger)**

THERAPEUTIC USE

[Comparative testing of diflucortolon-21-valerate creme and hydrocortisone-17-butyrate creme in patients with dermatoses] Grejs J. **Ther Ggw** 117(12):1930-7, Dec 78 **(Ger)**

GLUCOCORTICOIDS

ADMINISTRATION & DOSAGE

The effect of glucocorticoids on the maturation of premature lung membranes: Preventing the respiratory distress syndrome by glycocorticoids. Thornfeldt RE, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:25-30, 1978

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925-30, 1 Dec 78 (41 ref.) **(Ger)**

[Suggestions for therapy with glucocorticosteroids in obstructive airways diseases (author's transl)] Meister W. **Z Erkr Atmungsorgane** 151(1):55-62, Apr 78 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Diagnosis of treatable types of short and tall stature. Zachmann M. **Postgrad Med J** 54 Suppl 1:121-32, 1978 (62 ref.)

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925-30, 1 Dec 78 (41 ref.) **(Ger)**

ANALYSIS

Effects of processing milk on concentrations of glucocorticoids in milk. Schwalm JW, et al. **J Dairy Sci** 61(10):1517-8, Oct 78

ANTAGONISTS & INHIBITORS

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355-68, 11 Mar 77

BLOOD

Correlations of maternal and fetal endocrine events with uterine pressure changes around parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(1):1-8, Sep 78

METABOLISM

[Role of hormonal receptors in mammary gland carcinogenesis and estimation of its sensitivity to hormones] Szukalski B. **Endokrynol Pol** 29(6):441-58, Nov-Dec 78 **(Pol)**

PHARMACODYNAMICS

Hormonal modulation of specific messenger RNA species in normal and neoplastic rat liver. Feigelson P, et al. **Adv Enzymol** 47:275-312, 1978 (59 ref.)

Zinc accumulation and metabolism in primary cultures of adult rat liver cells. Regulation by glucocorticoids. Failla ML, et al. **Biochim Biophys Acta** 543(3):293-304, 18 Oct 78

Stimulation by glucocorticoids of myoblast growth at low cell densities. Guerriero V Jr, et al. **Cell Biol Int Rep** 2(5):441-6, Sep 78

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555-69, Oct 78 (71 ref.)

Inhibition of steroid-induced immune suppression by adjuvant stimulated accessory cells. Mishell RI, et al. **J Reticuloendothel Soc** 24(4):439-47, Oct 78 (10 ref.)

Pharmacological studies on experimental nephritic rats. (4) Improvement of hyperlipemic models in rats utilizing anti-rat kidney rabbit serum and effects of anti-hyperlipemic agents on serum lipid levels. Suzuki Y, et al. **Jpn J Pharmacol** 28(5):729-38, Oct 78

Ornithine decarboxylase activity in lymphoid tissues of rats: effects of glucocorticoids. Richards JF. **Life Sci** 23(15):1619-23, 16 Oct 78

Fibrinogen synthesis in serum-free hepatocyte cultures: stimulation by glucocorticoids. Grieninger G, et al. **Proc Natl Acad Sci USA** 75(11):5506-10, Nov 78

Effects of drugs on prostaglandin synthesis. Youlten LJ. **Rheumatol Rehabil** Suppl:47-52, 1978 (15 ref.)

Sensitivity to glucocorticoids of lymph node cells stimulated in vivo by oxazolone. Venetianer A, et al. **Scand J Immunol** 8(4):355-62, 1978

The effect of glucocorticoids on the maturation of premature lung membranes: Preventing the respiratory distress syndrome by glycocorticoids. Thornfeldt RE, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:25-30, 1978

The effects of protein-energy malnutrition on blood glucose homeostasis. Heard CR. **World Rev Nutr Diet** 30:107-47, 1978 (156 ref.)

[Glucocorticoids and gluco-lipidic metabolism] Hautecouverture M, et al. **Sem Hop Paris** 54(21-24):764-70, 8-15 Sep 78 (36 ref.) (Eng. Abstr.) **(Fre)**

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925-30, 1 Dec 78 (41 ref.) **(Ger)**

[Effects of glucocorticoids on enzyme activity in viral hepatitis. I. Behavior of serum leucine aminopeptidase and glycine aminopeptidase] Drożdż H, et al. **Folia Med Cracov** 20(2):263-74, 1978 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Molecular events in trans-synaptic regulation of the synthesis of macromolecules. Thoenen H, et al. **Essays Neurochem Neuropharmacol** 1:73-101, 1977 (61 ref.)

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91-106, 1978 (21 ref.)

On possible involvement of adrenocorticoids in chicken spleen development. Betz TW, et al. **Rev Can Biol** 37(3):181-8, Sep 78

[Glucocorticoids and gluco-lipidic metabolism] Hautecouverture M, et al. **Sem Hop Paris** 54(21-24):764-70, 8-15 Sep 78 (36 ref.) (Eng. Abstr.) **(Fre)**

[Calcium and phosphorus metabolism disorders in Cushing's syndrome and Addison's disease] Miyazaki T, et al.

Nippon Rinsho 36(10):3385–91, Oct 78 (Jpn)

THERAPEUTIC USE

The therapeutic use of glucocorticoid hormones in the perinatal period: potential neurological hazards. Weichsel ME Jr. **Ann Neurol** 2(5):364–6, Nov 77

Properties of cardioinhibitory factors produced in shock. Lefer AM. **Fed Proc** 37(13):2734–40, Nov 78 (76 ref.)

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392–6, 21 Dec 78

The effect of glucocorticoids on the maturation of premature lung membranes: Preventing the respiratory distress syndrome by glycocorticoids. Thornfeldt RE, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:25–30, 1978

[Prognosis in hemorrhagic proctitis] Dyring–Andersen K, et al. **Ugeskr Laeger** 140(49):3051–4, 4 Dec 78 (Dan)

[A case of mixed connective disease (MCTD) in Denmark] Manthorpe R, et al. **Ugeskr Laeger** 140(50):3138–9, 11 Dec 78 (Eng. Abstr.) (Dan)

[Immunosuppressive therapy in auto–immune diseases i. general fundamentals (author's transl)] Sönnichsen N, et al. **Dermatol Monatsschr** 164(11):769–78, Nov 78 (19 ref.) (Eng. Abstr.) (Ger)

[Therapy of systemic lupus erythematosus and of pseudo–le–syndrome] Ricken D, et al. **Dtsch Med Wochenschr** 103(46):1821–3, 17 Nov 78 (Ger)

[Cortisol blood level in children with subglottic laryngitis (author's transl)] Soboczyński A, et al. **HNO** 26(10):346–9, Oct 78 (Eng. Abstr.) (Ger)

[Glucocorticoids in the therapy of inflammatory brain diseases] Jährig K, et al. **Kinderaerztl Prax** 46(10):505–8, Oct 78 (Ger)

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) (Ger)

[Suggestions for therapy with glucocorticosteroids in obstructive airways diseases (author's transl)] Meister W. **Z Erkr Atmungsorgane** 151(1):55–62, Apr 78 (Eng. Abstr.) (Ger)

[Observations in Hallopeaus's vegetative pyoderma] Ruzicka T, et al. **Z Hautkr** 54(1):24–32, 1 Jan 79 (Ger)

[Effects of glucocorticoids on enzyme activity in viral hepatitis. I. Behavior of serum leucine aminopeptidase and glycine aminopeptidase] Drożdż H, et al. **Folia Med Cracov** 20(2):263–74, 1978 (Eng. Abstr.) (Pol)

HYDROCORTISONE

Effect of cimetidine on steroid experimental peptic ulcers. Dodi G, et al. **Acta Hepatogastroenterol (Stuttg)** 25(5):395–7, Oct 78

Extinction of differentiated glial functions in somatic ce–l hybrids is incomplete. McMorris FA, et al. **Exp Cell Res** 117(2):371–81, Dec 78

[Nature of the steroid–binding center of human transcortin] Akhrem AA, et al. **Dokl Akad Nauk SSSR** 242(5):1212–4, 1978 (Rus)

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98–107, Nov–Dec 78 (134 ref.) (Rus)

ADMINISTRATION & DOSAGE

Effect of intravenous hydrocortisone administration on glucose homeostasis in small for gestational age infants. Sann L, et al. **Acta Paediatr Scand** (1):113–8, Jan 79

Effect of a single large hydrocortisone dose on the behaviour of proteins in subcellular fractions of guinea pig liver. Hepa J, et al. **Endokrynol Pol** 29(5):381–9, Sep–Oct 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary–adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118–20, 1977

Fertility following treatment of adrenal rest tumor. Uehling DT. **Surg Forum** 28:580–2, 1977

[Management of adrenal gland insufficiency] Kley HK. **Hippokrates** 49(4):336–9, Nov 78 (Ger)

[A case of hydrocortisone phosphate injection induced asthma (author's transl)] Sunaga Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 16(10):793–7, Oct 78 (Eng. Abstr.) (Jpn)

[Study of metabolic activation of chemical compounds by using microorganisms. I. Effect of inducers of microsomal systems] Fonshtein LM, et al. **Genetika** 14(9):1564–70, Sep 78 (Rus)

[Study of clinical effectiveness of prednisolone therapy in the controlled trial and the problems of the tactics in using corticosteroids in serum hepatitis] Matveev AA, et al. **Ter Arkh** 50(10):72–6, 1978 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. Isarangkura M, et al. **J Med Assoc Thai** 61(11):647–50, Nov 78

[A case of hydrocortisone phosphate injection induced asthma (author's transl)] Sunaga Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 16(10):793–7, Oct 78 (Eng. Abstr.) (Jpn)

ANALOGS & DERIVATIVES

Comparisons of synthetic 1–18 ACTH (Organon 2001) and 1–39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9–12)8(1–8):4–6, Jan–Dec 76

ANALYSIS

Effect of adrenocorticotropin injection and stress on milk cortisol content. Bremel RD, et al. **J Dairy Sci** 61(8):1103–8, Aug 78

[Cortisol blood level in children with subglottic laryngitis (author's transl)] Soboczyński A, et al. **HNO** 26(10):346–9, Oct 78 (Eng. Abstr.) (Ger)

[Measurement of rat serum corticosterone using radiostereoassay kit for cortisol (author's transl)] Hosogi H, et al. **Jikken Dobutsu** 27(3):289–93, Jul 78 (Eng. Abstr.) (Jpn)

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) (Jpn)

ANTAGONISTS & INHIBITORS

Nature of the inhibition by noradrenaline of induction by cortisol of hepatic tryptophan pyrrolase. Sitaramam V, et al. **Biochem Pharmacol** 28(1):77–81, 1979

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

[Relationship between the nucleolar and karyoplasmic forms of RNA–polymerase in the nuclei of normal cells from different tissues and following hydrocortisone administration] Goglidze RI, et al. **Probl Endokrinol (Mosk)** 24(6):73–7, Nov–Dec 78 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311–21, Aug 78

Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea–pig adrenals. Patwardhan VV, et al. **J Steroid Biochem** 6(10):1451–4, Oct 75

BLOOD

Influence of morphine anaesthesia on the endocrine–metabolic response to open–heart surgery. Brandt MR, et al. **Acta Anaesthesiol Scand** 22(4):400–12, 1978

A gonadotrophin–responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno–cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

The relationship of maternal anxiety, plasma catecholamines, and plasma cortisol to progress in labor. Lederman RP, et al. **Am J Obstet Gynecol** 132(5):495–500, 1 Nov 78

Surge of fetal plasma triiodothyronine before birth in sheep. Nwosu UC, et al. **Am J Obstet Gynecol** 132(5):489–94, 1 Nov 78

Substrate mobilisation during surgery. A comparison between halothane and fentanyl anaesthesia. Hall GM, et al. **Anaesthesia** 33(10):924–30, Nov–Dec 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910–6, Dec 78

Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth. Panaretto BA, et al. **Aust J Biol Sci** 31(3):247–55, Jun 78

Plasma cortisol values after topical application of diflucortolone valerate (0.3%) or clobetasol propionate (0.05%) in psoriatic patients. Keczkes K, et al. **Br J Dermatol** 99(4):417–20, Oct 1978

The aldosterone response to surgery and the relationship of the response to postoperative sodium retention. Cochrane JP. **Br J Surg** 65(10):744–7, Oct 78

Dexamethasone in acute stroke. Mulley G, et al. **Br Med J** 2(6143):994–6, 7 Oct 78

Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al. **Cancer** 42(4):1720–9, Oct 78

Double-blind trial comparing flunisolide and placebo for the treatment of perennial rhinitis. Schulz JI, et al. **Clin Allergy** 8(4):313–20, Jul 78

A one-tube micromethod for radioimmunoassay of plasma cortisol. Ellis G, et al. **Clin Chem** 24(11):1954–7, Nov 78

Discrepancy between ACTH and cortisol responses to insulin induced hypoglycaemia. Lindholm J, et al. **Clin Endocrinol (Oxf)** 9(4):371–4, Oct 78

Hormonal responses during treatment of acute diabetic ketoacidosis with constant insulin infusions. Scott RS, et al. **Clin Endocrinol (Oxf)** 9(5):463–74, Nov 78

Diurnal rhythms of aminopyrine metabolism: failure to sleep deprivation to affect them. Poley GE Jr, et al. **Clin Pharmacol Ther** 24(6):726–32, Dec 78

Reduction of adrenocorticotropic hormone (ACTH) and cortisol in drug addicts treated by acupuncture and electrical stimulation (AES). Wen HL, et al. **Comp Med East West** 6(1):61–6, Spring 78

Clinical chemistry in women treated with progestogen implants. Croxatto HB, et al. **Contraception** 18(4):441–50, Oct 78

Clinical trial with subdermal implants containing norgestrienone. Diaz S, et al. **Contraception** 18(4):429–40, Oct 78

The metabolic response to norepinephrine in normal versus diabetic man. Schade DS, et al. **Diabetologia** 15(6):433–9, Dec 78

Corticosteroid response of rabbits and rats to exogenous ACTH. Boiti C, et al. **Endocr Res Commun** 5(1):21–33, 1978

Interceptive activity of azastene in rhesus monkeys. Schane HP, et al. **Fertil Steril** 30(3):343–7, Sep 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Diagnostic approach to the hirsute patient. Genazzani AR, et al. **Horm Res** 9(6):379–93, 1978

Neuroendocrine procedures for the diagnosis of depression. pp. 231–6. Carroll BJ. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Effect of adrenocorticotropin injection and stress on milk cortisol content. Bremel RD, et al. **J Dairy Sci** 61(8):1103–8, Aug 78

Adrenal function and passive immunity in the dystocial calf. Stott GH, et al. **J Dairy Sci** 61(10):1457–61, Oct 78

Synchronous episodic release of cortisol in the sheep. Fulkerson WJ. **J Endocrinol** 79(1):131–2, Oct 78

Evaluation of a new immobilized-antibody radioimmunoassay of plasma cortisol: comparison with two previous solid-phase procedures. Del Chicca MG, et al. **J Nucl Med Allied Sci** 22(2):97–100, Apr–Jun 78

Prolactin in umbilical cord blood and the respiratory distress syndrome. Gluckman PD, et al. **J Pediatr** 93(6):1011–4, Dec 78

A delayed effect of noradrenaline infusion on plasma cortisol level in man [proceedings] Few JD, et al. **J Physiol (Lond)** 282:43P, Sep 78

The effect of chlorpromazine upon psychophysiological, endocrine and information processing measures in schizophrenia. Gruzelier JH, et al. **J Psychiatr Res** 14(1–4):167–82, 1978

The effect of preslaughter lairage on serum thyroxine and cortisol levels at slaughter, and meat quality of boars, hogs and gilts. Moss BW, et al. **J Sci Food Agric** 29(8):689–96, Aug 78

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855–8, 1 Sep 78

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Milewicz A. **Mater Med Pol** 10(3):214–7, Jul–Sep 78

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

Management of congenital hypoaldosteronism. Sack J, et al. **Monogr Hum Genet** 10:181–4, 1978

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387–92, 21 Dec 78

Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. Danowski TS, et al. **PDM** 7(9–12)8(1–8):17–9, Jan–Dec 76

Comparisons of synthetic 1–18 ACTH (Organon 2001) and 1–39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9–12)8(1–8):4–6, Jan–Dec 76

Inappropriate counter-regulatory hormone levels in insulin treated diabetes. Danowski TS, et al. **PDM** 7(9–12)8(1–8):7–16, Jan–Dec 76

Serum cortisol and dehydroepiandrosterone sulfate responses to adrenocorticotropin stimulation in premature infants. Noguchi A, et al. **Pediatr Res** 12(11):1057–61, Nov 78

Anxiety and plasma cortisol at the crest of the circadian cycle:reappraisal of a classical hypothesis. Curtis GC, et al. **Psychosom Med** 40(5):368–78, Aug 78

Preliminary in vitro and in vivo investigations on methylprednisolone and its acetate. Garg DC, et al. **Res Commun Chem Pathol Pharmacol** 22(1):37–48, Oct 78

Plasma cortisol levels in normal volunteers receiving either betamethasone valerate or desoximetasone by topical application. Bromley PA, et al. **S Afr Med J** 54(6):239–41, 5 Aug 78

Ultradian cortisol rhythms in monkeys: synchronized or not synchronized? [letter] Kronauer RE, et al. **Science** 202(4371):1001–2, 1 Dec 78

Evidence for rhythmic variation of cortisol metabolism in adrenalectomized primates. Aun F, et al. **Surg Forum** 28:112–5, 1977

Plasma cortisol and antidiuretic hormone concentrations after artificial heart implantation. Webster LR, et al. **Trans Am Soc Artif Intern Organs** 24:305–9, 1978

The primate fetal pituitary-adrenal axis in the perinatal period. Jaffee RB, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:58–64, 1978

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801–7, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Dependence of the serum concentrations of creatinine and urea on the time of day, with normal and impaired kidney function (author's transl)] Knoll E, et al. **J Clin Chem Clin Biochem** 16(10):567–70, Oct 78 (Eng. Abstr.) **(Ger)**

[Insulin therapy and behaviors of insulin antagonist hormones, with special reference to the reactions of growth hormone and cortisol during the hypoglycemic stage in juvenile diabetes] Egi S. **Horumon To Rinsho** 26(9):947–51, Sep 78 **(Jpn)**

[Serum dopamine-beta-hydroxylase activity in endocrine disease and hypertension (author's transl)] Hara I. **Nippon Naibunpi Gakkai Zasshi** 54(11):1207–21, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[State of the hypothalamo-hypophyseo-adrenal cortex system in rabbits during cholesterol loading] Livshits IB. **Probl Endokrinol (Mosk)** 24(6):50–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Sensitivity of isolated adipose tissue to insulin and questions concerning the pathogenesis of diabetes mellitus in patients with chronic liver diseases] Shlimovich PB, et al. **Probl Endokrinol (Mosk)** 24(6):9–13, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Tyrosine, 11-hydroxycorticosteroids and cortisol in the blood

of patients with bronchial asthma] Rass TI, et al. **Ter Arkh** 50(11):98–101, 1978 (Eng. Abstr.) **(Rus)**

[Cortisol content in the blood plasma in lung cancer] Uspenskaia LP, et al. **Vopr Onkol** 24(10):58–61, 1978 (Eng. Abstr.) **(Rus)**

[Short-term administration of superpyrin (SPOFA) and changes in pituitary-thyroid axis function and plasma cortisol level in volunteers (author's transl)] Langer P, et al. **Bratisl Lek Listy** 70(4):459–64, Oct 78 (Eng. Abstr.) **(Slo)**

[Relationship between plasma levels of cortisol and corticosterone in subjects with different ACTH activity (author's transl)] Rodríguez JA, et al. **Rev Med Chil** 106(6):415–9, Jun 78 (Eng. Abstr.) **(Spa)**

DEFICIENCY

[Tyrosine, 11-hydroxycorticosteroids and cortisol in the blood of patients with bronchial asthma] Rass TI, et al. **Ter Arkh** 50(11):98–101, 1978 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Steroid-CPK test. A new diagnostic aid for muscular dystrophy and its carriers? Sen S, et al. **Eur Neurol** 17(5):258–64, 1978

IMMUNOLOGY

Immunoperoxidase stains cortisol in adrenal and pituitary. Dornhorst A, et al. **J Histochem Cytochem** 26(11):909–13, Nov 78

METABOLISM

Amniotic fluid cortisol in normal and diabetic pregnant women and its relation to respiratory disease in the neonate. Brazy JE, et al. **Am J Obstet Gynecol** 132(5):567–70, 1 Nov 78

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77

Uptake and binding of glucocorticoids in fish tissues. Porthé-Nibelle J, et al. **J Endocrinol** 78(3):407–16, Sep 78

The relationship of amniotic membrane 11-oxidoreductase activity to lung maturation in the human fetus. Tanswell AK, et al. **Pediatr Res** 12(10):957–60, Oct 78

Evidence for rhythmic variation of cortisol metabolism in adrenalectomized primates. Aun F, et al. **Surg Forum** 28:112–5, 1977

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**

[Neuroendocrinological studies of affective disorders (author's transl)] Matussek N. **Nervenarzt** 49(10):569–75, Oct 78 **(Ger)**

[Localization of (3H)hydrocortisone in rat liver nuclei] Smirnov VG, et al. **Biokhimiia** 43(10):1845–53, Oct 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Morphological development of the epithelium of the embryonic chick intestine in culture: influence of thyroxine and hydrocortisone. Black BL. **Am J Anat** 153(4):573–99, Dec 78

Inhibition of delta-aminolevulinic acid synthetase by thioacetamide and thioacetamide-S-oxide. Yoshida T, et al. **Biochem Pharmacol** 27(17):2095–8, 1978

Lipoprotein lipase of cultured mesenchymal rat heart cells. III. Effect of glucocorticoids and insulin on enzyme formation. Friedman G, et al. **Biochim Biophys Acta** 531(2):222–32, 22 Nov 78

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

Influence of hydrocortisone on the modulation of the inflammatory response. Tolone G, et al. **Br J Exp Pathol** 59(4):366–72, Aug 78

Control of globin gene expression by steroid hormones in differentiating Friend leukemia cells. Lo SC, et al. **Cell** 15(2):447–53, Oct 78

Heterogeneity of mouse lymphocytes in interferon production upon influenza virus challenge in culture. Tsukui K, et al. **Cell Immunol** 40(2):451–6, Oct 78

Effect of corticosteroids on human in vitro anamnestic response. Yu DT. **Cell Immunol** 40(2):431–6, Oct 78

Effect of hormones on lipolysis during the neonatal period. Melichar V, et al. **Czech Med** 1(4):223–8, 1978

Effect of a single large hydrocortisone dose on the behaviour of proteins in subcellular fractions of guinea pig liver. Hepa J, et al. **Endokrynol Pol** 29(5):381–9, Sep–Oct 78

Messenger RNA activities for two liver enzymes, tyrosine aminotransferase and tryptophan oxygenase, in Morris hepatoma 5123C and 9618A and in HTC cells. Correlation with enzyme activities. Hofer E, et al. **Eur J Biochem** 91(1):223–9, 2 Nov 78

Influence of hydrocortisone on cytopathic effect of Newcastle disease virus and stability to freezing of vesicular stomatitis virus. Pompei R, et al. **Experientia** 34(11):1528–9, 15 Nov 78

Distinction between suppressors of the delayed-type hypersensitivity and the humoral response to sheep erythrocytes. Yamaguchi K, et al. **Immunology** 35(5):721–31, Nov 78

Rodent glial cell lines. pp. 67–81. Benda P. **In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.**

Cortisol & metabolism of glycosaminoglycans in rats fed normal & atherogenic diet. Philip B, et al. **Indian J Biochem Biophys** 15(1):66–70, Feb 78

Histological and histochemical studies in fracture repair under the effect of hydrocortisone in rats. Nagpal BL, et al. **Indian J Pathol Microbiol** 21(1):9–20, Jan 78

Effects of surface-active agents on neutrophil receptors. Boxer LA, et al. **Infect Immun** 21(1):28–33, Jul 78

Effect of cortisol on the growth of Chlamydia trachomatis in McCoy cells. Bushell AC, et al. **Infect Immun** 21(3):946–53, Sep 78

Mechanism of action of hydrocortisone potentiation of sulfogalactosylceramide synthesis in mouse oligodendroglioma clonal cell lines. Dawson G, et al. **J Biol Chem** 254(1):163–7, 10 Jan 79

Glucocorticoid regulation in rat brain cell cultures. Hydrocortisone increases the rate of synthesis of glycerol phosphate dehydrogenase in C6 glioma cells. McGinnis JF, et al. **J Biol Chem** 253(23):8493–92, 10 Dec 78

Studies of local reactivity to B. pertussis suspensions by means of the rat paw oedema. Pruchová J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 22(1):47–52, 1978

Effects of glucocorticoids on osteoclast-activating factor. Strumpf M, et al. **J Lab Clin Med** 92(5):772–8, Nov 78

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Mitogens for murine embryo cell lines. Herschman HR, et al. **J Supramol Struct** 8(3):263–8, 1978

Diurnal variations in inducibility of rat liver tyrosine aminotransferase activity. Gurr JA, et al. **Life Sci** 23(12):1301–8, 25 Sep 78

Effects of ovine hydatid cyst fluid in sheep before and after treatment with hydrocortisone, antihistamines and atropine. Tabatabai M, et al. **Pahlavi Med J** 9(3):260–76, Jul 78

Fibrinogen synthesis in serum-free hepatocyte cultures: stimulation by glucocorticoids. Grieninger G, et al. **Proc Natl Acad Sci USA** 75(11):5506–10, Nov 78

Salbutamol as a topical anti-inflammatory drug. Seely RJ, et al. **Proc Soc Exp Biol Med** 159(2):223–5, Nov 78

Endotoxin induced metabolic alterations in BCG infected (hyperreactive) mice. Senterfitt VC, et al. **Proc Soc Exp Biol Med** 159(1):69–74, Oct 78

Differences in prostaglandin formation between thymocyte subpopulations. Bauminger S. **Prostaglandins** 16(3):351–5, Sep 78

Sensitivity to glucocorticoids of lymph node cells stimulated in vivo by oxazolone. Venetianer A, et al. **Scand J Immunol** 8(4):355–62, 1978

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118–20, 1977

The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Keough EM, et al. **Tissue Cell** 10(3):563–70, 1978

[The effect of hydrocortisone and calcium ion on the catecholamine release from the adrenal medullary slice (author's transl)] Nagai T. **Nippon Naibunpi Gakkai Zasshi** 54(11):1271–80, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Effect of several hormones on the intensity of experimental free-radical lipid oxidation reactions] Kulikov VIu, et al. **Biull Eksp Biol Med** 86(11):531–3, Nov 78 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline, hydrocortisone, insulin and dibutyryl-cAMP on glycolysis and glycogenolysis in white rat liver slices] Panin LE, et al. **Biull Eksp Biol Med** 86(11):541–4, Nov 78 (Eng. Abstr.) **(Rus)**

[Cortisol, adrenocorticotropic hormone and apolipoprotein synthesis in rat hepatocytes] Titov VN, et al. **Biull Eksp Biol Med** 86(11):538–40, Nov 78 (Eng. Abstr.) **(Rus)**

[Relationship between the nucleolar and karyoplasmic forms of RNA-polymerase in the nuclei of normal cells from different tissues and following hydrocortisone administration] Goglidze RI, et al. **Probl Endokrinol (Mosk)** 24(6):73-7, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[On corticosteroid control of NAD splitting in rat liver] Binogradov VV, et al. **Ukr Biokhim Zh** 50(5):576-8, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435-55, Aug 78 (108 ref.)

SECRETION

Adrenocortical metabolism of angiotensin in sheep with adrenal transplants. Lun S, et al. **Am J Physiol** 235(5):E525-31, Nov 78

Pituitary oncocytic tumor with Cushing's disease. Gjerris A, et al. **Cancer** 42(4):1818-22, Oct 78

Circadian rhythms in depressive disorders. pp. 409-17. Rafaelsen OJ, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Synchronous episodic release of cortisol in the sheep. Fulkerson WJ. **J Endocrinol** 79(1):131-2, Oct 78

Pseudo-Cushing syndrome caused by alcohol in breast milk. Binkiewicz A, et al. **J Pediatr** 93(6):965-7, Dec 78

THERAPEUTIC USE

Effect of intravenous hydrocortisone administration on glucose homeostasis in small for gestational age infants. Sann L, et al. **Acta Paediatr Scand** (1):113-8, Jan 79

Caffeine as an adjunct in the treatment of atopic dermatitis [letter] Siegel FP, et al. **Arch Dermatol** 114(11):1717, Nov 78

Fertility following treatment of adrenal rest tumor. Uehling DT. **Surg Forum** 28:580-2, 1977

[Mixed connective tissue disease, a clinical syndrome with anti-ribonucleoprotein antibodies] Elling H. **Ugeskr Laeger** 140(50):3140-2, 11 Dec 78 (Eng. Abstr.) **(Dan)**

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523-6, 27 Oct 78 (26 ref.) **(Ger)**

[Autoimmune polyendocrinopathy with IGA deficiency] Schwarz U, et al. **Schweiz Med Wochenschr** 108(48):1912-3, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[Biochemical basis of use of pathogenetic therapy in pulmonary tuberculosis] Gur'eva IG, et al. **Probl Tuberk** (11):27-30, Nov 78 (Eng. Abstr.) **(Rus)**

URINE

Endocrine testing in tardive dyskinesias: preliminary report. Rosenbaum AH, et al. **Am J Psychiatry** 136(1):102-3, Jan 79

Neuroendocrine procedures for the diagnosis of depression. pp. 231-6. Carroll BJ.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387-92, 21 Dec 78

Comparisons of synthetic 1-18 ACTH (Organon 2001) and 1-39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9-12)8(1-8):4-6, Jan-Dec 76

HYDROCORTISONE, TOPICAL

ADMINISTRATION & DOSAGE

Assessment of the skin penetration properties of different carrier vehicles for topically applied cortisol. Ayres PJ, et al. **Br J Dermatol** 99(3):307-17, Sep 78

[Ophthalmic drug films in the treatment of inflammatory diseases of the eyeball] Pen'kov MA, et al. **Oftalmol Zh** (6):431-3, 1978 (Eng. Abstr.) **(Rus)**

METABOLISM

Assessment of the skin penetration properties of different carrier vehicles for topically applied cortisol. Ayres PJ, et al. **Br J Dermatol** 99(3):307-17, Sep 78

THERAPEUTIC USE

Treatment of non-inflammatory dermatoses. A double-blind comparison of 1% hydrocortisone plus 10% urea and 0.05% fluocinonide. Khan SA. **Practitioner** 221(1322):265-7, Aug 78

[Comparative testing of diflucortolon-21-valerate creme and hydrocortisone-17-butyrate creme in patients with dermatoses] Grejs J. **Ther Ggw** 117(12):1930-7, Dec 78 **(Ger)**

HYDROXYCORTICOSTEROIDS

ADMINISTRATION & DOSAGE

Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391-6, Aug 78

11-HYDROXYCORTICOSTEROIDS

BLOOD

Diurnal rhythms of aminopyrine metabolism: failure to sleep deprivation to affect them. Poley GE Jr, et al. **Clin Pharmacol Ther** 24(6):726-32, Dec 78

[Migration of hematopoietic stem cells in thermal burns] Bezin GI, et al. **Biull Eksp Biol Med** 86(10):494-6, Oct 78 (Eng. Abstr.) **(Rus)**

[Cock fighting as a model of emotional stress] Razumov SA, et al. **Fiziol Zh SSSR** 64(10):1372-81, Oct 78 (Eng. Abstr.) **(Rus)**

[Transcortin binding capacity in the dynamics of the development of the immune process] Shkhinek EK, et al. **Probl Endokrinol (Mosk)** 24(6):94-8, Nov-Dec 78 **(Rus)**

[Excretion of androgens, corticosteroid content of blood and pulmonary hypertension in severe course of bronchial asthma after remission] Pribylova NN. **Ter Arkh** 50(11):95-8, 1978 (Eng. Abstr.) **(Rus)**

[Tyrosine, 11-hydroxycorticosteroids and cortisol in the blood of patients with bronchial asthma] Rass TI, et al. **Ter Arkh** 50(11):98-101, 1978 (Eng. Abstr.) **(Rus)**

[Emotional stress in sheep caused by species specific acoustic signals of alarm] Lankin VS, et al. **Zh Vyssh Nerv Deiat** 28(5):994-7, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

DEFICIENCY

[Tyrosine, 11-hydroxycorticosteroids and cortisol in the blood of patients with bronchial asthma] Rass TI, et al. **Ter Arkh** 50(11):98-101, 1978 (Eng. Abstr.) **(Rus)**

17-HYDROXYCORTICOSTEROIDS

BLOOD

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449-54, 1978

[Detection of heterozygote of congenital adrenal hyperplasia] Saito Y, et al. **Horumon To Rinsho** 26(11):1126-9, Nov 78 **(Jpn)**

METABOLISM

[Biochemical indices of the adrenal cortex function in chronic calculous cholecystitis in middle-aged and old patients] Ashrafov AA. **Klin Khir** (10):27-30, Oct 78 (Eng. Abstr.) **(Rus)**

URINE

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

An improved method based on the Porter--Silber reaction for determining 17-hydroxycorticosteroids in urine. Furuya E, et al. **Anal Biochem** 90(2):644-50, 15 Oct 78

Sustained operations and sleep deprivation: effects on indices of stress. Francesconi RP, et al. **Aviat Space Environ Med** 49(11):1271-4, Nov 78

The sympathico-adrenomedullary system and non-shivering thermogenesis in Perodicticus potto (Prosimii, Lorisidae,

Lorisinae). Goffart M, et al. **Comp Biochem Physiol [C]** 61C(1):189–201, 1978

The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Sakakura M, et al. **Endocrinol Jpn** 25(4):335–9, Aug 78

Biological aspects of suicide: circadian disorganization. Rockwell DA, et al. **J Nerv Ment Dis** 166(12):851–8, Dec 78

Comparisons of synthetic 1–18 ACTH (Organon 2001) and 1–39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9–12)8(1–8):4–6, Jan–Dec 76

Undersea psychophysiologic reactions of human organism. Baciu I, et al. **Physiologie** 15(3):151–6, Jul–Sep 78

[Modern principles of the diagnosis of sterility in women] Manuilova IA. **Akush Ginekol (Mosk)** (10):5–9, 1978 (20 ref.) **(Rus)**

[Importance of determining prolactin and gonadotropic hormones in the diagnosis of different forms of endocrine sterility] Pshenichnikova TIa, et al. **Akush Ginekol (Mosk)** (10):13–8, 1978 (Eng. Abstr.) **(Rus)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

[Dynamics of 17-hydroxycorticosteroid excretion and water-salt homeostasis in toxicosis of the 2d half of pregnancy] Vakhnina DA, et al. **Akush Ginekol (Mosk)** (11):26–8, Nov 78 (Eng. Abstr.) **(Rus)**

[Effect of dexamethasone on water-salt metabolism and renal function in healthy humans] Noskov VB, et al. **Farmakol Toksikol** 41(6):704–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Degree and frequency of activation of different adrenal cortex functions in diabetes mellitus patients] Bezverkhaia TP. **Probl Endokrinol (Mosk)** 24(6):31–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Dynamics of various biochemical indicators in patients with focal bone lesions under the effect of tuberculin] Barash LI, et al. **Probl Tuberk** (10):44–9, Oct 78 (Eng. Abstr.) **(Rus)**

11-HYDROXYCORTICOSTEROIDS, SYNTHETIC

PHARMACODYNAMICS

Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Priestley GC. **Br J Dermatol** 99(3):253–61, Sep 78

18-HYDROXYCORTICOSTERONE

BIOSYNTHESIS

Influences of op'DDD, op'DDE and solubilization procedures on the in vitro biosynthesis of 18-hydroxycorticosterone and aldosterone by sheep adrenals. Touitou Y, et al. **Int J Biochem** 9(9):691–5, 1978

18-HYDROXYDESOXYCORTICOSTE

BLOOD

Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt-sensitive and salt-resistant rats. Rapp JP, et al. **Endocr Res Commun** 5(1):35–41, 1978

HYDROXYPREGNENOLONE

Evidence for the common identity of rabbit ovarian 20alpha- and 17beta-hydroxysteroid dehydrogenases. Rodway RG, et al. **J Endocrinol** 78(3):459–60, Sep 78

ANALOGS & DERIVATIVES

Preparation of 19-hydroxypregnenolone 3-acetate and 3-methyl ether. Santaniello E, et al. **J Steroid Biochem** 6(11–12):1505–8, Nov–Dec 75

CHEMICAL SYNTHESIS

Preparation of 19-hydroxypregnenolone 3-acetate and 3-methyl ether. Santaniello E, et al. **J Steroid Biochem** 6(11–12):1505–8, Nov–Dec 75

METABOLISM

Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. Fowler RE, et al. **J Reprod Fertil** 54(1):109–17, Sep 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

KETOSTEROIDS

URINE

Identification of the androstenetriolones and androstenetetrols present in the urine of infants. Shackleton CH, et al. **J Steroid Biochem** 6(10):1393–9, Oct 75

17-KETOSTEROIDS

Fluorescent probes in model membranes. II. Monolayer studies of 2,2'-(vinylenedi-p-phenylene)bisbenzoxazole, d-3-aminodesoxyequilenin and N-octadecylnaphthyl-2-amino-6-sulfonic acid with host-lipid tetradecanoic acid. Kellner BM, et al. **Biochim Biophys Acta** 513(3):301–9, 16 Nov 78

ANALOGS & DERIVATIVES

Fluorescent probes in model membranes. II. Monolayer studies of 2,2'-(vinylenedi-p-phenylene)bisbenzoxazole, d-3-aminodesoxyequilenin and N-octadecylnaphthyl-2-amino-6-sulfonic acid with host-lipid tetradecanoic acid. Kellner BM, et al. **Biochim Biophys Acta** 513(3):301–9, 16 Nov 78

ANALYSIS

[Gas chromatographic determination of urinary 17-ketosteroids in normal adults of various ages] Loré F. **Minerva Med** 69(43):2927–42, 19 Sep 78 (Eng. Abstr.) **(Ita)**

BLOOD

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449–54, 1978

[Excretion of androgens, corticosteroid content of blood and pulmonary hypertension in severe course of bronchial asthma after remission] Pribylova NN. **Ter Arkh** 50(11):95–8, 1978 (Eng. Abstr.) **(Rus)**

METABOLISM

[Biochemical indices of the adrenal cortex function in chronic calculous cholecystitis in middle-aged and old patients] Ashrafov AA. **Klin Khir** (10):27–30, Oct 78 (Eng. Abstr.) **(Rus)**

URINE

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Levels of principal 17-ketosteroid fractions in urine of breast cancer patients with or without malignant evolutive push. Kiricuta I, et al. **Arch Geschwulstforsch** 48(6):565–8, 1978

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283–8, Sep 78

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392–6, 21 Dec 78

Comparisons of synthetic 1–18 ACTH (Organon 2001) and

1-39 ACTH of animal origin in human subjects. Danowski TS, et al. **PDM** 7(9-12)8(1-8):4-6, Jan-Dec 76

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801-7, May-Jun 78 (Eng. Abstr.) **(Fre)**

[A study by gas-liquid chromatography of the urinary excretion of neutral 17 oxosteroids in healthy Senegalese adults (author's transl)] Roffi J. **Med Trop (Mars)** 38(3):311-6, May-Jun 78 (Eng. Abstr.) **(Fre)**

[Gas chromatographic determination of urinary 17-ketosteroids in normal adults of various ages] Lore F. **Minerva Med** 69(43):2927-42, 19 Sep 78 (Eng. Abstr.) **(Ita)**

[Modern principles of the diagnosis of sterility in women] Manuilova IA. **Akush Ginekol (Mosk)** (10):5-9, 1978 (20 ref.) **(Rus)**

[Importance of determining prolactin and gonadotropic hormones in the diagnosis of different forms of endocrine sterility] Pshenichnikova TIa, et al. **Akush Ginekol (Mosk)** (10):13-8, 1978 (Eng. Abstr.) **(Rus)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34-8, 1978 (Eng. Abstr.) **(Rus)**

[Gonadotropic and androgenic functions in myocardial infarct] Tuev AV, et al. **Klin Med (Mosk)** 56(10):53-5, Oct 78 **(Rus)**

[Degree and frequency of activation of different adrenal cortex functions in diabetes mellitus patients] Bezverkhaia TP. **Probl Endokrinol (Mosk)** 24(6):31-5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Glucuronic acid, glucuronyltransferase and estrogens in breast cancer and precancer] Al'pert AE, et al. **Vopr Onkol** 24(10):66-70, 1978 (Eng. Abstr.) **(Rus)**

[Lipid metabolism in patients with ischemic heart disease and excretion of 17-ketosteroids] Klantsa NA. **Vrach Delo** (11):91-3, Nov 78 (Eng. Abstr.) **(Rus)**

METHYLPREDNISOLONE

Corticosteroid-induced avascular necrosis: an experimental study in rabbits. Gold EW, et al. **Clin Orthop** (135):272-80, Sep 78

ADMINISTRATION & DOSAGE

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118-20, 1977

ANALOGS & DERIVATIVES

Preliminary in vitro and in vivo investigations on methylprednisolone and its acetate. Garg DC, et al. **Res Commun Chem Pathol Pharmacol** 22(1):37-48, Oct 78

BLOOD

Preliminary in vitro and in vivo investigations on methylprednisolone and its acetate. Garg DC, et al. **Res Commun Chem Pathol Pharmacol** 22(1):37-48, Oct 78

PHARMACODYNAMICS

Effect of corticosteroids on human in vitro anamnestic response. Yu DT. **Cell Immunol** 40(2):431-6, Oct 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118-20, 1977

MINERALOCORTICOIDS

Hypertension and oral contraceptives [letter] Crane MG, et al. **Br Med J** 2(6145):1165, 21 Oct 78

BLOOD

Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt-sensitive and salt-resistant rats. Rapp JP, et al. **Endocr Res Commun** 5(1):35-41, 1978

[Pathogenesis of arterial hypertension with a low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 18(11):5-11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Drug therapy of hypotension] Kramer HJ. **Dtsch Med Wochenschr** 103(48):1899-901, 1 Dec 78 **(Ger)**

PREDNISOLONE

Effect of cimetidine on steroid experimental peptic ulcers. Dodi G, et al. **Acta Hepatogastroenterol (Stuttg)** 25(5):395-7, Oct 78

ADMINISTRATION & DOSAGE

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925-30, 1 Dec 78 (41 ref.) **(Ger)**

[Study of clinical effectiveness of prednisolone therapy in the controlled trial and the problems of the tactics in using corticosteroids in serum hepatitis] Matveev AA, et al. **Ter Arkh** 50(10):72-6, 1978 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Case of death from strongyloidiasis against a background of corticosteroid prescription] Prokhorov AF, et al. **Med Parazitol (Mosk)** 47(6):103-4, Nov-Dec 78 **(Rus)**

PHARMACODYNAMICS

The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Sakakura M, et al. **Endocrinol Jpn** 25(4):335-9, Aug 78

THERAPEUTIC USE

The relation between plasma androstenedione and oestrone levels in untreated and corticosteroid-treated post-menopausal women. Marshall DH, et al. **Clin Endocrinol (Oxf)** 9(5):407-12, Nov 78

[Therapy of giant-cell hepatitis (letter)] Teller WM. **Dtsch Med Wochenschr** 103(45):1774, 10 Nov 78 **(Ger)**

[Steroid inhalation therapy] Witek F. **Wien Med Wochenschr** 128(18):603-5, 10 Oct 78 **(Ger)**

[Biochemical basis of use of pathogenetic therapy in pulmonary tuberculosis] Gur'eva IG, et al. **Probl Tuberk** (11):27-30, Nov 78 (Eng. Abstr.) **(Rus)**

PREDNISONE

ADMINISTRATION & DOSAGE

Corticosteroids in the treatment of alopecia totalis. Systemic effects. Unger WP, et al. **Arch Dermatol** 114(10):1486-90, Oct 78

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387-92, 21 Dec 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118-20, 1977

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925-30, 1 Dec 78 (41 ref.) **(Ger)**

PHARMACODYNAMICS

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387-92, 21 Dec 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118-20, 1977

THERAPEUTIC USE

Corticosteroids in the treatment of alopecia totalis. Systemic effects. Unger WP, et al. **Arch Dermatol** 114(10):1486-90, Oct 78

The relation between plasma androstenedione and oestrone levels in untreated and corticosteroid-treated post-menopausal women. Marshall DH, et al. **Clin Endocrinol (Oxf)** 9(5):407-12, Nov 78

[Therapy of systemic lupus erythematosus and of pseudo-le-syndrome] Ricken D, et al.

Dtsch Med Wochenschr 103(46):1821-3, 17 Nov 78 (Ger)

PREGNANETRIOL

URINE

Urinary excretion of 5beta-pregnane-3alpha,6alpha,20alpha-triol in human gestation. Begue RJ, et al. **J Steroid Biochem** 9(8):779-84, Aug 78

Adult height and fertility in men with congenital virilizing adrenal hyperplasia. Urban MD, et al. **N Engl J Med** 299(25):1392-6, 21 Dec 78

TETRAHYDROCORTISOL

URINE

High-resolution biomedical gas chromatography. Study of urinary steroid metabolite ratios of women with breast lesions using open-tubular glass capillary columns. Pfaffenberger CD, et al. **J Chromatogr** 158:313-30, 1 Oct 78

TRIAMCINOLONE ACETONIDE

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98-107, Nov-Dec 78 (134 ref.) **(Rus)**

METABOLISM

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355-68, 11 Mar 77

IV. *Related Topics*

AMINOGLUTETHIMIDE

ADVERSE EFFECTS

Pancytopenia induced by aminoglutethimide in the treatment of breast cancer. Lawrence B, et al. **Cancer Treat Rep** 62(10):1581–3, Oct 78

PHARMACODYNAMICS

Control of sterol metabolism in rat adrenal mitochondria. Mason JI, et al. **Biochem J** 174(3):1045–51, 15 Sep 78

On the role of intra-adrenal unesterified cholesterol in the steroidogenic effect of corticotropin. Farese RV, et al. **Biochim Biophys Acta** 544(1):77–84, 15 Nov 78

Evidence for the involvement of corticosterone in the ontogeny of the cellular immune apparatus of the mouse. van Dijk H, et al. **Immunology** 35(4):637–42, Oct 78

THERAPEUTIC USE

Pancytopenia induced by aminoglutethimide in the treatment of breast cancer. Lawrence B, et al. **Cancer Treat Rep** 62(10):1581–3, Oct 78

Aminoglutethimide in breast cancer [letter] Forrest AP, et al. **Lancet** 2(8100):1149, 25 Nov 78

METYRAPONE

DIAGNOSTIC USE

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387–92, 21 Dec 78

Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free 11-deoxycorticosterone. Kley HK, et al. **Steroids** 32(2):223–32, Sep 78

[State of the hypothalamo-hypophyseo-adrenal cortex system in rabbits during cholesterol loading] Livshits IB. **Probl Endokrinol (Mosk)** 24(6):50–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Is steroid-16alpha-hydroxylase supported by more than one monooxygenase? Kremers P, et al. **Biochem Biophys Res Commun** 84(3):706–12, 16 Oct 78

Effects of microsomal enzyme inducers in vivo and inhibitors in vitro on the covalent binding of benzo[a]pyrene metabolites to DNA catalyzed by liver microsomes from genetically responsive and nonresponsive mice. Boobis AR, et al. **Biochem Pharmacol** 28(1):111–21, 1979

Interaction of metyrapone with adrenal microsomal cytochrome P450 in the guinea pig. Greiner JW, et al. **Biochem Pharmacol** 27(17):2147–51, 1978

The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Sakakura M, et al. **Endocrinol Jpn** 25(4):335–9, Aug 78

Benzpyrene metabolism in human diploid fibroblasts. Wöhler W, et al. **Monogr Hum Genet** 10:165–70, 1978

Differential inhibition of biphenyl hydroxylation in perfused rat liver. Kahl GF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 304(3):297–301, 16 Oct 78

On possible involvement of adrenocorticoids in chicken spleen development. Betz TW, et al. **Rev Can Biol** 37(3):181–8, Sep 78

PITUITARY-ADRENAL SYSTEM

DRUG EFFECTS

Pharmacological properties of some androgenic steroid nitrates. Cuparencu B, et al. **Agressologie** 19(1):39–58, 1978

Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. Wyatt R, et al. **N Engl J Med** 299(25):1387–92, 21 Dec 78

In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary-adrenal system in man. Newsome HH Jr, et al. **Surg Forum** 28:118–20, 1977

[Effects of chronic experimental intoxication with benzene and ethylene vapors on the pituitary-adrenal system] Przybylowski J, et al. **Endokrynol Pol** 29(5):399–406, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

The primate fetal pituitary-adrenal axis in the perinatal period. Jaffee RB, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:58–64, 1978

GROWTH & DEVELOPMENT

[Detection of the critical period of pituitary-adrenal system development during postembryonic chicken ontogenesis] Avrutina AIa, et al. **Zh Evol Biokhim Fiziol** 14(5):441–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

METABOLISM

[Neuroendocrinological studies of affective disorders (author's transl)] Matussek N. **Nervenarzt** 49(10):569–75, Oct 78 **(Ger)**

PHYSIOLOGY

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789–95, Dec 78

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):737–43, Dec 78

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing agonists and antagonists. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):726–36, Dec 78

Pituitary—adrenal influences on avoidance behavior of pigs. Mormède P, et al. **Horm Behav** 10(3):285–97, Jun 78

Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

A delayed effect of noradrenaline infusion on plasma cortisol level in man [proceedings] Few JD, et al. **J Physiol (Lond)** 282:43P, Sep 78

The primate fetal pituitary-adrenal axis in the perinatal period. Jaffee RB, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:58–64, 1978

PHYSIOPATHOLOGY

Neuroendocrine procedures for the diagnosis of depression. pp. 231–6. Carroll BJ. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

The effect of pituitary-adrenal function in the modulation of pain sensitivity in the rat. Heybach JP, et al. **J Physiol (Lond)** 283:331–40, Oct 78

The effect of chlorpromazine upon psychophysiological, endocrine and information processing measures in schizophrenia. Gruzelier JH, et al. **J Psychiatr Res** 14(1–4):167–82, 1978

[State of the hypothalamo-hypophyseo-adrenal cortex system in rabbits during cholesterol loading] Livshits IB. **Probl Endokrinol (Mosk)** 24(6):50–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Emotional stress in sheep caused by species specific acoustic signals of alarm] Lankin VS, et al. **Zh Vyssh Nerv Deiat** 28(5):994–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

RENIN

ADMINISTRATION & DOSAGE

Regional distribution of angiotensinogen in rat brain. Lewicki JA, et al. **Brain Res** 158(2):359–71, 15 Dec 78

ANALYSIS

Chemical characteristics of a high molecular weight renin from the renal cortex of the dog. Potter DM, et al. **Circ Res** 43(6):832–9, Dec 78

Immunocytochemical localization of renin in the submandibular gland of the mouse. Gresik E, et al. **J Histochem Cytochem** 26(10):855–61, Oct 78

[Renin activity in amniotic fluid and maternal and cord blood in toxemia of pregnancy] Eichenbrener Y, et al. **Harefuah** 95(5–6):153–5, Sep 78 (Eng. Abstr.) **(Heb)**

ANTAGONISTS & INHIBITORS

Clinical experience with blockade of the renin–angiotensin–aldosterone system by an oral converting-enzyme inhibitor (SQ 14,225, captopril) in hypertensive patients. Case DB, et al. **Prog Cardiovasc Dis** 21(3):195–206, Nov–Dec 78

BIOSYNTHESIS

The brain renin–angiotensin system: a model for the synthesis of peptides in the brain. Ganten D, et al. **Biochem Pharmacol** 27(20):2379–89, 1978 (111 ref.)

BLOOD

Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Vetter H, et al. **Acta Endocrinol (Copenh)** 89(4):710–25, Dec 78

Effect of chlorthiazide treatment on renin–aldosterone system during pregnancy. Lammintausta R, et al. **Acta Obstet Gynecol Scand** 57(5):389–92, 1978

Vasopressin release induced by hemorrhage in the goat. Larsson B, et al. **Acta Physiol Scand** 104(3):309–17, Nov 78

A study of permanent adipsia induced by medial forebrain lesions. Rundgren M, et al. **Acta Physiol Scand** 103(4):463–71, Aug 78

Systemic and pulmonary hemodynamic effects of saralasin infusion in hypertension. Predictability of plasma renin status from hemodynamic changes. Mookherjee S, et al. **Am J Cardiol** 42(6):987–92, Dec 78

Blood pressure, renin–angiotensin system and urinary kallikrein in a case of juxtaglomerular cell tumor. Mimran A, et al. **Am J Med** 65(3):527–36, Sep 78

Mechanism of spontaneous supine blood pressure variations in chronic autonomic insufficiency. Niarchos AP, et al. **Am J Med** 65(3):547–52, Sep 78

Baroreflex function in uremic and hypertensive man. Levy SB, et al. **Am J Med Sci** 276(1):57–66, Jul–Aug 78

Renin stimulation during clonidine therapy in 'low renin' essential hypertension. Thananopavarn C, et al. **Am J Med Sci** 276(1):27–32, Jul–Aug 78

Serum angiotensin converting enzyme activity and the capacity to develop hypertention–associated arterial disease. Studies during the induction phase of one–kidney perinephritis hypertension in rabbits. Campbell WG Jr, et al. **Am J Pathol** 93(2):383–404, Nov 78

Importance of chloride for acute inhibition of renin by sodium chloride. Kirchner KA, et al. **Am J Physiol** 235(5):F444–50, Nov 78

Measurement of plasma renin activity as a valid estimation of plasma angiotensin status. Roulston JE, et al. **Ann Clin Biochem** 15(5):250–2, Sep 78

The kidney in progressive systemic sclerosis: a prospective study. Kovalchik MT, et al. **Ann Intern Med** 89(6):881–7, Dec 78

Familial hyperpotassemia and hypertension accompanied by normal plasma aldosterone levels: possible hereditary cell membrane defect. Farfel Z, et al. **Arch Intern Med** 138(12):1828–32, Dec 78

The brain renin–angiotensin system: a model for the synthesis of peptides in the brain. Ganten D, et al. **Biochem Pharmacol** 27(20):2379–89, 1978 (111 ref.)

Congestive heart failure in normotensive man. Haemodynamics, renin, and angiotensin II blockade. Turini GA, et al. **Br Heart J** 40(10):1134–42, Oct 78

Effect of intravenous infusion of betasympathomimetic agents on plasma renin activity during pregnancy. Lammintausta R, et al. **Br J Obstet Gynaecol** 85(11):828–31, Nov 78

Sequential changes in the human renin–angiotensin system following delivery. Pipkin FB, et al. **Br J Obstet Gynaecol** 85(11):821–7, Nov 78

Changes in plasma renin levels of normotensive and spontaneously hypertensive rats with increasing age [proceedings] Day MD, et al. **Br J Pharmacol** 64(3):392P–393P, Nov 78

The aldosterone response to surgery and the relationship of the response to postoperative sodium retention. Cochrane JP. **Br J Surg** 65(10):744–7, Oct 78

Prolonged treatment of high–renin hypertension with a converting enzyme inhibitor. Vandenburg MJ, et al. **Br Med J** 2(6141):866, 23 Sep 78

Cryoactivation and tryptic activation of blood 'prorenin' in normal man and animals. Osmond DH, et al. **Can J Physiol Pharmacol** 56(5):792–805, Oct 78

Release of active and inactive renin by the porcine kidney. Bailie MD, et al. **Circ Res** 44(1):32–7, Jan 79

The immediate pressor response to saralasin in man: a test of angiotensin II receptor vacancy. Wallace JM, et al. **Circ Res** 44(1):38–44, Jan 79

Should blood samples for assay of plasma renin activity be chilled? Emanuel RL, et al. **Clin Chem** 24(11):2042–3, Nov 78

Hormonal responses during treatment of acute diabetic ketoacidosis with constant insulin infusions. Scott RS, et al. **Clin Endocrinol (Oxf)** 9(5):463–74, Nov 78

Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282–6, Jul 78

Role of aldosterone in the antihypertensive effect of spironolactone in essential hypertension. Benraad H, et al. **Clin Pharmacol Ther** 24(6):638–43, Dec 78

Hydrochlorothiazide and spironolactone in hypertension. Schrijver G, et al. **Clin Pharmacol Ther** 25(1):33–42, Jan 79

Hepatic elimination of renin in man. Hesse B, et al. **Clin Sci Mol Med** 55(4):377–82, Oct 78

Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt–sensitive and salt–resistant rats. Rapp JP, et al. **Endocr Res Commun** 5(1):35–41, 1978

Effects of SQ 14,225, an orally active inhibitor of angiotensin–converting enzyme on blood pressure, heart rate and plasma renin activity of conscious normotensive dogs. Harris DN, et al. **Eur J Pharmacol** 51(4):345–9, 15 Oct 78

Effect of glucagon on renin secretion in the dog. Ueda J, et al. **Eur J Pharmacol** 52(1):85–92, 1 Nov 78

Beta–adrenergic thirst and its relation to the renin–angiotensin system. Ramsay DJ. **Fed Proc** 37(13):2689–93, Nov 78

The renin–angiotensin system and thirst: some unanswered questions. Stricker EM. **Fed Proc** 37(13):2704–10, Nov 78

Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome. Sann L, et al. **Helv Paediatr Acta** 33(3):299–310, Aug 78

Clinical pharmacologic observations on timolol. II. Antihypertensive effect and kinetic disposition on twice–daily dosing in patients with mild or moderate hypertension. Ishizaki T, et al. **J Clin Pharmacol** 18(11–12):519–29, Nov–Dec 78

Interrelationships among thiazide diuretics and calcium, magnesium, sodium, and potassium balance in normal and hypertensive man. Sullivan JM, et al. **J Clin Pharmacol** 18(11–12):530–43, Nov–Dec 78

Failure of sodium loading to influence the concentration of iso–renin in rat brain. Husain A, et al. **J Endocrinol** 78(3):443–4, Sep 78

Renovascular hypertension: how to make the diagnosis in your office. Hypertension X. Grim CE. **J Indiana State Med Assoc** 71(12):1133–5, Dec 78

Modification of experimental renal hypertension in the rat by indomethacin and hydralazine. Cangiano JL, et al. **J Lab Clin Med** 92(4):516–20, Oct 78

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

Renal effects of acute infrarenal aortocaval fistula. Weber TR, et al. **J Surg Res** 25(5):482–7, Nov 78

Surgical treatment of renovascular hypertension associated with bilateral renal artery stenosis. Osada Y, et al. **J Urol** 120(5):537–9, Nov 78

Renin profiling for diagnosis and treatment of hypertension. Laragh JH, et al. **JAMA** 241(2):151–6, 12 Jan 79

The effect of beta adrenergic receptor blockade on the renin response to respiratory acidosis. Fujii H, et al. **Jpn Circ J** 42(7):865–70, Jul 78

Effects of 3–amino,1,2,4–triazole on plasma renin activity and renal peroxisomal enzymes in rats. Morimoto S, et al. **Jpn J Pharmacol** 28(5):793–6, Oct 78

Reduced renin activity in essential hypertension: a reappraisal. Thomas GW, et al. **Kidney Int** 13(6):513–7, Jun 78

Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration. Pellnitz W, et al. **Klin Wochenschr** 56(17):855–8, 1 Sep 78

Kallikrein and plasmin as activators of inactive renin [letter] **Lancet** 2(8104–5):1375, 23–30 Dec 78

Renin lowers blood-pressure. Gordon DB. **Lancet** 2(8097):970–2, 4 Nov 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

Sympathetic nervous system and blood-pressure control in essential hypertension. Philipp T, et al. **Lancet** 2(8097):959–63, 4 Nov 78

An open study of the antihypertensive efficacy of metoprolol. McNeil JJ, et al. **Med J Aust** 2(3):123–5, 29 Jul 78

Juxtaglomerular cell tumor. Connor G, et al. **Nephron** 21(6):325–33, 1978

The renin-aldosterone system and thiazide-induced depletion of total body potassium in essential hypertension. Oh MS, et al. **Nephron** 21(5):269–76, 1978

Influence of ultrafiltration on plasma renin activity and adrenergic system. Zucchelli P, et al. **Nephron** 21(6):317–24, 1978

The effect of postural changes on plasma renin activity during normal and pathologic pregnancies. Brandes JM, et al. **Obstet Gynecol** 52(5):530–2, Nov 78

Hypertension associated with the Guillain-Barré syndrome. Stapleton FB, et al. **Pediatrics** 62(4):588–90, Oct 78

Effects of indomethacin and tolmetin on furosemide-induced changes in renin release. Noordewier B, et al. **Proc Soc Exp Biol Med** 159(2):180–3, Nov 78

Clinical experience with blockade of the renin-angiotensin-aldosterone system by an oral converting-enzyme inhibitor (SQ 14,225, captopril) in hypertensive patients. Case DB, et al. **Prog Cardiovasc Dis** 21(3):195–206, Nov-Dec 78

Antihypertensive effect of prostacyclin (PGI2) in experimental hypertension and its influence on plasma renin activity in rats. Schölkens BA. **Prostaglandins Med** 1(5):359–72, Nov 78

Renin subgroups in essential hypertension: an analysis and critique. Thurston H, et al. **Q J Med** 47(187):325–37, Jul 78

Headache, hypertension and renal disease. Graham JR, et al. **Res Clin Stud Headache** 6:147–54, 1978

Renal artery reconstruction in renovascular hypertension. Nordhus O, et al. **Scand J Thorac Cardiovasc Surg** 12(2):111–9, 1978

Distal renal tubular acidosis in selective hypoaldosteronism. Barbour GL, et al. **South Med J** 71(11):1397–400, Nov 78

Evaluation of surgical response in renovascular hypertension using angiotensin II blockade. Buda JA, et al. **Surgery** 84(5):664–70, Nov 78

Renal artery stenosis following transplantation: etiology, diagnosis, and prevention. Ricotta JJ, et al. **Surgery** 84(5):595–602, Nov 78

Effect of urinary bladder distension on renal blood flow, blood pressure and plasma renin activity. Tsuchida S, et al. **Tohoku J Exp Med** 126(4):335–41, Dec 78

Reactions of blood pressure and body spaces to hemofiltration treatment. Schuenemann B, et al. **Trans Am Soc Artif Intern Organs** 24:687–9, 1978

[Determination of plasma renin activity in children—determination of normal values] Pellantová Z, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 21(3):215–8, 1978 (Eng. Abstr.) **(Cze)**

[beta-blockers in hypertension with renal failure] Guédon J, et al. **Nouv Presse Med** 7(31):2795–7, 20 Sep 78 **(Fre)**

[Incidence of beta-blockers on plasma renin activity. Present status] Plouin PF, et al. **Nouv Presse Med** 7(31):2769–74, 20 Sep 78 (48 ref.) **(Fre)**

[Long-term minoxidil therapy: renin, aldosterone, noradrenaline and the need for beta blockers] Jaeger P, et al. **Schweiz Med Wochenschr** 108(44):1707–9, 4 Nov 78 (Eng. Abstr.) **(Fre)**

[Effect of sustained release alprenolol in hypertension uncontrolled by chlorothiazide and dihydralazine. Study in double blind (author's transl)] Cartier F, et al. **Sem Hop Paris** 54(25–28):855–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Saralasin for renovascular or essential hypertension (author's transl)] Arlart I, et al. **Dtsch Med Wochenschr** 103(45):1790–6, 10 Nov 78 (Eng. Abstr.) **(Ger)**

[Saralasin-induced changes of blood pressure, renin and aldosterone in essential and renal hypertension (author's transl)] Beyer J, et al. **Klin Wochenschr** 56(17):859–64, 1 Sep 78 (Eng. Abstr.) **(Ger)**

[Renin activity in amniotic fluid and maternal and cord blood in toxemia of pregnancy] Eichenbrener Y, et al. **Harefuah** 95(5–6):153–5, Sep 78 (Eng. Abstr.) **(Heb)**

[Behavior of plasma renin activity during treatment with alphamethyldopa] Arrigo F, et al. **Boll Soc Ital Cardiol** 22(3):305–13, 1977 (Eng. Abstr.) **(Ita)**

[Effect of oxprenolol on the plasma renin activity in essential arterial hypertension] Cospite M, et al. **Boll Soc Ital Cardiol** 22(3):335–9, 1977 (Eng. Abstr.) **(Ita)**

[Behavior of the plasma renin activity after stimulation of the carotid sinus] Di Gregoli A, et al. **Boll Soc Ital Cardiol** 22(3):355–61, 1977 (Eng. Abstr.) **(Ita)**

[Behavior of plasma renin activity following exposure to environmental hyperthermia] Li Vecchi M, et al. **Boll Soc Ital Cardiol** 22(3):373–8, 1977 (Eng. Abstr.) **(Ita)**

[Renal perfusion and the renin-angiotensin system in hepatic cirrhosis] Bosch Y, et al. **Minerva Med** 69(47):3249–55, 6 Oct 78 **(Ita)**

[Renovascular hypertension: experiences in nine renal autotransplantations (author's transl)] Hata M, et al. **Nippon Hinyokika Gakkai Zasshi** 69(8):1019–27, Aug 78 (Eng. Abstr.) **(Jpn)**

[The influence of aging on renin release stimulated by furosemide and upright posture in essential hypertension (author's transl)] Itoh T, et al. **Nippon Jinzo Gakkai Shi** 20(9):991–7, Sep 78 (Eng. Abstr.) **(Jpn)**

[Studies on hypertension: I) The effects of angiotensin II and norepinephrine infusion on renal hemodynamics and renin angiotensin system in anesthetized dogs. II) The metabolism of 3H-DOPA in two kidney Goldblatt dogs (author's transl)] Kita T. **Nippon Jinzo Gakkai Shi** 20(8):931–41, Aug 78 (Eng. Abstr.) **(Jpn)**

[Studies of urinary kallikrein in patients with various types of hypertension (relationship to renin-angiotensin-aldosterone system (author's transl)] Seino M. **Nippon Jinzo Gakkai Shi** 20(8):877–87, Aug 78 (Eng. Abstr.) **(Jpn)**

[Study on etiology of hypertension in patients on chronic hemodialysis (author's transl)] Suzaki S, et al. **Nippon Jinzo Gakkai Shi** 20(8):901–8, Aug 78 (Eng. Abstr.) **(Jpn)**

[Renin-angiotensin-aldosterone system and electrolytes metabolism on furosemide stimulation test (author's transl)] Suzuki T, et al. **Nippon Jinzo Gakkai Shi** 20(7):759–69, Jul 78 (Eng. Abstr.) **(Jpn)**

[The responsiveness of plasma renin activity to furosemide administration in diabetic patients (author's transl)] Usukura N, et al. **Nippon Naibunpi Gakkai Zasshi** 54(8):957–65, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Plasma renin activity in essential hypertension with respect to aging, hypertension severity and furosemide test (author's transl)] Miyamoto Y. **Nippon Naika Gakkai Zasshi** 67(10):1224–33, 10 Oct 78 **(Jpn)**

[Case of isolated aldosterone deficiency] Iida K, et al. **Nippon Rinsho** 36(8):2992–8, Aug 78 **(Jpn)**

[Prognostic value of the plasma renin activity index in renal venous blood in patients with renovascular hypertension treated surgically] Filipecki S, et al. **Pol Arch Med Wewn** 60(4):329–34, Oct 78 (Eng. Abstr.) **(Pol)**

[Effect of kinesitherapy on various hemodynamic and biochemical indices in the blood of hypertensive patients] Halawa B, et al. **Pol Arch Med Wewn** 60(3):229–35, Sep 78 (Eng. Abstr.) **(Pol)**

[State of the sympathetic-adrenal system and renin activity in the blood in children with primary arterial hypertension in the process of beta-blockader treatment] Nebol'sina LI, et al. **Kardiologiia** 18(11):38–42, Nov 78 (Eng. Abstr.) **(Rus)**

[Importance of determining the renin activity in the blood plasma of the renal veins in symptomatic hypertension] Pokrovskiĭ ABV, et al. **Kardiologiia** 18(11):29–33, Nov 78 (Eng. Abstr.) **(Rus)**

[Pathogenesis of arterial hypertension with a low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 18(11):5–11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**

[Renin activity in the blood plasma in healthy persons and in hypertension patients of different ages and sexes] Uchitel' IA, et al. **Kardiologiia** 18(11):34–8, Nov 78 (Eng. Abstr.) **(Rus)**

[New differential diagnostic and therapeutic possibilities in arterial hypertension] Gogin EE, et al. **Klin Med (Mosk)** 56(10):30–5, Oct 78 **(Rus)**

[Change in the activity of blood plasma renin in chronic renal insufficiency during treatment with hemodialysis] Barsegian BA. **Ter Arkh** 50(7):127–9, 1978 (Eng. Abstr.) **(Rus)**

[Effect of oxprenolol and propranolol on increased plasma renin activity in rats after physical exertion] Hotujac L, et al. **Med Arh** 32(1):7–11, Jan-Feb 78 (Eng. Abstr.) **(Scr)**

DEFICIENCY

Renin lowers blood-pressure. Gordon DB. **Lancet** 2(8097):970–2, 4 Nov 78

Prostaglandins in hyporeninaemic hypoaldosteronism [letter] Hahn JA, et al. **Lancet** 2(8104–5):1379, 23–30 Dec 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

GENETICS

Location on chromosome 1 of Rnr, a gene that regulates renin in the submaxillary gland of the mouse. Wilson CM, et al. **Proc Natl Acad Sci USA** 75(11):5623–6, Nov 78

HISTORY

Angiotensin, thirst, and sodium appetite: retrospect and prospect. Fitzsimons JT. **Fed Proc** 37(13):2669–75, Nov 78

IMMUNOLOGY

Chemical characteristics of a high molecular weight renin from the renal cortex of the dog. Potter DM, et al. **Circ Res** 43(6):832–9, Dec 78

ISOLATION & PURIFICATION

Rat renin: purification and characterization. Matoba T, et al. **Biochim Biophys Acta** 526(2):560–71, 12 Oct 78

Properties of the activation by pepsin of inactive renin in human amniotic fluid. Morris BJ. **Biochim Biophys Acta** 527(1):86–97, 10 Nov 78

Release of active and inactive renin by the porcine kidney. Bailie MD, et al. **Circ Res** 44(1):32–7, Jan 79

Chemical characteristics of a high molecular weight renin from the renal cortex of the dog. Potter DM, et al. **Circ Res** 43(6):832–9, Dec 78

METABOLISM

Properties of the activation by pepsin of inactive renin in human amniotic fluid. Morris BJ. **Biochim Biophys Acta** 527(1):86–97, 10 Nov 78

A simple microassay for human tissue renin [proceedings] Husain A, et al. **Br J Pharmacol** 64(3):455P–456P, Nov 78

Hepatic elimination of renin in man. Hesse B, et al. **Clin Sci Mol Med** 55(4):377–82, Oct 78

Failure of sodium loading to influence the concentration of iso-renin in rat brain. Husain A, et al. **J Endocrinol** 78(3):443–4, Sep 78

Renin 1978. Peart WS. **Johns Hopkins Med J** 143(6):193–206, Dec 78 (161 ref.)

The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

Renin-like (angiotensinogenase) activity in human eccrine sweat. Dahlheim H, et al. **Pfluegers Arch** 377(1):65–7, 18 Oct 78

Effects of vasopressin and its deamino-D-arginine analogue on renin release in the isolated perfused rat kidney. Konrads A, et al. **Pfluegers Arch** 377(1):81–5, 18 Oct 78

Location on chromosome 1 of Rnr, a gene that regulates renin in the submaxillary gland of the mouse. Wilson CM, et al. **Proc Natl Acad Sci USA** 75(11):5623–6, Nov 78

The renin system in high blood pressure, from disbelief to reality: converting-enzyme blockade for analysis and treatment. Laragh JH. **Prog Cardiovasc Dis** 21(3):159–66, Nov-Dec 78 (24 ref.)

Physiologic, biochemical, and immunologic aspects of angiotensin-converting enzyme. Soffer RL, et al. **Prog Cardiovasc Dis** 21(3):167–75, Nov-Dec 78 (67 ref.)

Impaired renal prostaglandin E2 biosynthesis in human hypertensive states. Tan SY, et al. **Prostaglandins Med** 1(1):76–85, Jul 78

[Tissue hormones of the healthy and diseased kidney. The renin-angiotensin system, kallikrein-kinin system, prostaglandins] Haberland GL. **Med Welt** 29(47):1844–50, 24 Nov 78 **(Ger)**

PHARMACODYNAMICS

Attenuation of thirst in estrogen-treated rats. Fregly MJ. **Fed Proc** 37(13):2694–8, Nov 78

Renin 1978. Peart WS. **Johns Hopkins Med J** 143(6):193–206, Dec 78 (161 ref.)

PHYSIOLOGY

Estrogens and hypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin-aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33–55, Jul-Aug 78

Renin stimulation during clonidine therapy in 'low renin' essential hypertension. Thananopavarn C, et al. **Am J Med Sci** 276(1):27–32, Jul-Aug 78

Pregnancy hypertension, parity, and the renin-angiotensin system. Symonds EM, et al. **Am J Obstet Gynecol** 132(5):473–9, 1 Nov 78

The brain renin-angiotensin system: a model for the synthesis of peptides in the brain. Ganten D, et al. **Biochem Pharmacol** 27(20):2379–89, 1978 (111 ref.)

A physiological basis for the treatment of essential hypertension. Weber MA, et al. **Bull NY Acad Med** 54(10):931–43, Nov 78

Non-vasoactive renal hormones. Brod J. **Contrib Nephrol** 13:1–2, 1978

Angiotensin, thirst, and sodium appetite: retrospect and prospect. Fitzsimons JT. **Fed Proc** 37(13):2669–75, Nov 78

The renin-angiotensin system and thirst: some unanswered questions. Stricker EM. **Fed Proc** 37(13):2704–10, Nov 78

Renin-angiotensin system inhibition in conscious dogs during acute hypoxemia. Effects on systemic hemodynamics, regional blood flows, and tissue metabolism. Liang CS, et al. **J Clin Invest** 62(5):961–70, Nov 78

Renin profiling for diagnosis and treatment of hypertension. Laragh JH, et al. **JAMA** 241(2):151–6, 12 Jan 79

Renin 1978. Peart WS. **Johns Hopkins Med J** 143(6):193–206, Dec 78 (161 ref.)

Does renin lower blood-pressure? [letter] **Lancet** 2(8103):1312, 16 Dec 78

Renin lowers blood-pressure. Gordon DB. **Lancet** 2(8097):970–2, 4 Nov 78

[Incidence of beta-blockers on plasma renin activity. Present status] Plouin PF, et al. **Nouv Presse Med** 7(31):2769–74, 20 Sep 78 (48 ref.) **(Fre)**

[Participation of the renin-angiotensin-aldosterone system in increasing arterial pressure in young children with the toxic form of pneumonia] Bezkorovainaia OI. **Pediatr Akush Ginekol** (5):17–9, Sep-Oct 78 **(Ukr)**

SECRETION

Blood pressure, renin-angiotensin system and urinary kallikrein in a case of juxtaglomerular cell tumor. Mimran A, et al. **Am J Med** 65(3):527–36, Sep 78

Hypertension and oral contraceptives [letter] Crane MG, et al. **Br Med J** 2(6145):1165, 21 Oct 78

Reflexes from the heart and lungs: physiological curiosities or important regulatory mechanisms. Donald DE, et al. **Cardiovasc Res** 12(8):446–69, Aug 78 (139 ref.)

Release of active and inactive renin by the porcine kidney. Bailie MD, et al. **Circ Res** 44(1):32–7, Jan 79

Prostaglandins: renin release and renal function. Horton R, et al. **Contrib Nephrol** 14:87–96, 1978

Effect of glucagon on renin secretion in the dog. Ueda J, et al. **Eur J Pharmacol** 52(1):85–92, 1 Nov 78

Stretch receptor control of renin release in perfused rat kidney: effect of high perfusate potassium. Fray JC. **J Physiol (Lond)** 282:207–17, Sep 78

Renin profiling for diagnosis and treatment of hypertension. Laragh JH, et al. **JAMA** 241(2):151–6, 12 Jan 79

Effects of indomethacin and tolmetin on furosemide-induced changes in renin release. Noordewier B, et al. **Proc Soc Exp Biol Med** 159(2):180–3, Nov 78

Mechanism of prostaglandin E(2) stimulation of renin secretion. Osborn JL, et al. **Proc Soc Exp Biol Med** 159(2):249–52, Nov 78

Effect of propranolol on glycerol induced acute renal failure in rats. Ortega FJ, et al. **Rev Esp Fisiol** 34(3):277–83, Sep 78

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**

SPIRONOLACTONE

Solubilization of spironolactone and flumedroxone acetate. Lövgren T, et al. **Acta Pharm Suec** 15(3):233–6, 1978

ADMINISTRATION & DOSAGE

Effectiveness of high-dose spironolactone therapy in patients with chronic liver disease and relatively refractory ascites.

Campra JL, et al. **Am J Dig Dis** 23(11):1025–30, Nov 78
Hydrochlorothiazide and spironolactone in hypertension. Schrijver G, et al. **Clin Pharmacol Ther** 25(1):33–42, Jan 79
Spironolactone: disposition, metabolism, pharmacodynamics, and bioavailability. Karim A. **Drug Metab Rev** 8(1):151–88, 1978 (93 ref.)
[The pharmacokinetics of digoxin during chronic spironolacton treatment (author's transl)] Masson JP, et al. **Klin Wochenschr** 56(21):1071–6, 1 Nov 78 (Eng. Abstr.) **(Ger)**
[Physiopathology and treatment of hormonal disorders in prostatic hyperplasia] Baranowska B. **Endokrynol Pol** 29(6):543–56, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Effectiveness of high-dose spironolactone therapy in patients with chronic liver disease and relatively refractory ascites. Campra JL, et al. **Am J Dig Dis** 23(11):1025–30, Nov 78

ANALOGS & DERIVATIVES

Electron impact and chemical ionization mass spectrometry of steroidal spirolactones. Boreham DR, et al. **Biomed Mass Spectrom** 5(9):524–30, Sep 78
Synthesis and pharmacological evaluation of a clofibrate-related tricyclic spirolactone, 5-chloro-4',5-dihydrospiro[benzofuran-2(3H),3'(2'H)-furan Witiak DT, et al. **J Med Chem** 21(12):1198–202, Dec 78

ANALYSIS

Electron impact and chemical ionization mass spectrometry of steroidal spirolactones. Boreham DR, et al. **Biomed Mass Spectrom** 5(9):524–30, Sep 78

BLOOD

Synthesis and pharmacological evaluation of a clofibrate-related tricyclic spirolactone, 5-chloro-4',5-dihydrospiro[benzofuran-2(3H),3'(2'H)-furan Witiak DT, et al. **J Med Chem** 21(12):1198–202, Dec 78

CHEMICAL SYNTHESIS

Synthesis and pharmacological evaluation of a clofibrate-related tricyclic spirolactone, 5-chloro-4',5-dihydrospiro[benzofuran-2(3H),3'(2'H)-furan Witiak DT, et al. **J Med Chem** 21(12):1198–202, Dec 78

METABOLISM

Spironolactone: disposition, metabolism, pharmacodynamics, and bioavailability. Karim A. **Drug Metab Rev** 8(1):151–88, 1978 (93 ref.)

PHARMACODYNAMICS

Diuretics. Lief PD. **Am Heart J** 96(6):824–7, Dec 78
Effects of aldosterone and spironolactone on renal ATPase activities [proceedings] Gilbert JC, et al. **Br J Pharmacol** 64(3):408P, Nov 78
Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78
Role of aldosterone in the antihypertensive effect of spironolactone in essential hypertension. Benraad H, et al. **Clin Pharmacol Ther** 24(6):638–43, Dec 78
Modes of action of diuretics. Hierholzer K. **Contrib Nephrol** 14:111–7, 1978
Synthesis and pharmacological evaluation of a clofibrate-related tricyclic spirolactone, 5-chloro-4',5-dihydrospiro[benzofuran-2(3H),3'(2'H)-furan Witiak DT, et al. **J Med Chem** 21(12):1198–202, Dec 78
Role of aldosterone in the control of sodium excretion in patients with advanced chronic renal failure. Berl T, et al. **Kidney Int** 14(3):228–35, Sep 78

THERAPEUTIC USE

Effectiveness of high-dose spironolactone therapy in patients with chronic liver disease and relatively refractory ascites. Campra JL, et al. **Am J Dig Dis** 23(11):1025–30, Nov 78
Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin-aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33–55, Jul–Aug 78
Spironolactone therapy for hirsutism in a hyperandrogenic woman. Ober KP, et al. **Ann Intern Med** 89(5 Pt 1):643–4, Nov 78
Adrenal scintigraphy in low renin essential hypertension. Rifai A, et al. **Clin Nucl Med** 3(7):282–6, Jul 78
Hydrochlorothiazide and spironolactone in hypertension. Schrijver G, et al. **Clin Pharmacol Ther** 25(1):33–42, Jan 79
Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome. Sann L, et al. **Helv Paediatr Acta** 33(3):299–310, Aug 78
Asymptomatic Bartter's syndrome. Barbour GL, et al. **South Med J** 71(11):1341–4, 1349, Nov 78
[Long-term minoxidil therapy: renin, aldosterone, noradrenaline and the need for beta blockers] Jaeger P, et al. **Schweiz Med Wochenschr** 108(44):1707–9, 4 Nov 78 (Eng. Abstr.) **(Fre)**
[Guidelines for the medical management of arterial hypertension (author's transl)] Hall D, et al. **Herz** 3(5):289–99, Oct 78 (Eng. Abstr.) **(Ger)**
[Physiopathology and treatment of hormonal disorders in prostatic hyperplasia] Baranowska B. **Endokrynol Pol** 29(6):543–56, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

TOXICITY

Effects in animals of chronic administration of spironolactone--a review. Lumb G, et al. **J Environ Pathol Toxicol** 1(5):641–60, May–Jun 78 (33 ref.)

TRANSCORTIN

A one-tube micromethod for radioimmunoassay of plasma cortisol. Ellis G, et al. **Clin Chem** 24(11):1954–7, Nov 78
[Nature of the steroid-binding center of human transcortin] Akhrem AA, et al. **Dokl Akad Nauk SSSR** 242(5):1212–4, 1978 **(Rus)**

BLOOD

Effect of calcium ion on the cortisol-binding protein in the lens and blood plasma. Ono S, et al. **Int J Vitam Nutr Res** 48(3):301–3, 1978

METABOLISM

Plasma concentrations of total and free corticosterone during development in the rat. Henning SJ. **Am J Physiol** 235(5):E451–6, Nov 78
Effect of calcium ion on the cortisol-binding protein in the lens and blood plasma. Ono S, et al. **Int J Vitam Nutr Res** 48(3):301–3, 1978
[Transcortin binding capacity in the dynamics of the development of the immune process] Shkhinek EK, et al. **Probl Endokrinol (Mosk)** 24(6):94–8, Nov–Dec 78 **(Rus)**

V. *Adrenal Medulla*

ADRENAL MEDULLA

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

ANALYSIS

X-ray microanalysis in biogenic amine detection in the sympatho-chromaffin system. pp. 29–36. Santer RM, et al.

In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

ANATOMY & HISTOLOGY

Video scanning for determination of the proportion of cortical tissue in the avian adrenal gland. Vestergaard K, et al. **Acta Vet Scand** 19(3):331–40, 1978

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

BLOOD SUPPLY

[Adrenaline and noradrenaline concentration in blood of suprarenal and renal vein in man with normal blood pressure and with essential hypertension (author's transl)] Planz G, et al. **Klin Wochenschr** 56(22):1109–12, 15 Nov 78 (Eng. Abstr.) **(Ger)**

CYTOLOGY

PAS-lead hematoxylin as a stain for small-granule endocrine cell populations in the lungs, other pharyngeal derivatives and the gut. Sorokin SP, et al. **Anat Rec** 192(2):245–59, Oct 78

Disappearance of the difference between adrenal A and NA cells in the level of radioactivity after 3H-dopa injection in the hypophysectomized mouse. Kobayashi S, et al. **Arch Histol Jpn** 41(3):285–90, Jun 78

DRUG EFFECTS

Evaluation of a new beta-adrenoceptor agonist, procaterol, based on metabolic responses in rats. Saitoh Y, et al. **Biochem Pharmacol** 27(21):2531–5, 1978

Differential effects of D 600 on release of catecholamines by acetylcholine, histamine, tyramine and by cyclic AMP from canine adrenal medulla. Hiwatari M, et al. **Jpn J Pharmacol** 28(5):671–80, Oct 78

Calcium-dependent exocytosis in bovine adrenal medullary cells with leaky plasma membranes. Baker PF, et al. **Nature** 276(5688):620–2, 7 Dec 78

[The effect of hydrocortisone and calcium ion on the catecholamine release from the adrenal medullary slice (author's transl)] Nagai T. **Nippon Naibunpi Gakkai Zasshi** 54(11):1271–80, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

EMBRYOLOGY

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

ENZYMOLOGY

Relation between choline availability, acetylcholine synthesis and cholinergic function. pp. 169–78. Wurtman RJ.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

INNERVATION

Reinnervation of the rat adrenal medulla transplanted in the anterior eye chamber. Kondo H. **J Anat** 127(2):323–31, Oct 78

METABOLISM

Enkephalin-like immunoreactivity in nerve terminals in sympathetic ganglia and adrenal medulla and in adrenal medullary gland cells. Schultzberg M, et al. **Acta Physiol Scand** 103(4):475–7, Aug 78

Phosphorus-31 nuclear magnetic resonance studies of active proton translocation in chromaffin granules. Njus D, et al. **Biochemistry** 17(20):4337–43, 3 Oct 78

Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Benchimol S, et al. **Cell Tissue Res** 193(2):179–99, 17 Oct 78

On the role of ATP and divalent metal ions in the storage of catecholamines. H NMR studies of bovine adrenal chromaffin granules. Granot J, et al. **FEBS Lett** 95(1):45–8, 1 Nov 78

Amine turnover and the effects of insulin hypoglycaemia on small-granule chromaffin (SGC) cells of the mouse adrenal medulla. pp. 86–96. Coupland RE, et al.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

Differential effects of D 600 on release of catecholamines by acetylcholine, histamine, tyramine and by cyclic AMP from canine adrenal medulla. Hiwatari M, et al. **Jpn J Pharmacol** 28(5):671–80, Oct 78

Effects of feeding ethyl-dihomo-gamma-linolenate on rabbit renomedullary lipid composition and prostaglandin production in vitro. Knapp HR, et al. **Lipids** 13(11):804–8, Nov 78

[Morphologic study of rat adrenals following flight aboard biosatellites 'Cosmos-605' and 'Cosmos-782'] Savina EA. **Arkh Anat Gistol Embriol** 75(9):30–6, Sep 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Interactions between autonomic nerves and adrenal chromaffin cells in culture and in two in vivo transplant systems. pp. 60–9. Unsicker K, et al.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

The effect of pituitary-adrenal function in the modulation of pain sensitivity in the rat. Heybach JP, et al. **J Physiol (Lond)** 283:331–40, Oct 78

Influences of extracellular calcium and potassium concentrations on adrenaline release and membrane potential in the perfused adrenal medulla of the rat. Ishikawa K, et al. **Jpn J Physiol** 28(3):275–89, 1978

Calcium-dependent exocytosis in bovine adrenal medullary cells with leaky plasma membranes. Baker PF, et al. **Nature** 276(5688):620–2, 7 Dec 78

Effect of an adrenal demedullationon signaled, one-way, active avoidance learning. Clancy JJ, et al. **Psychol Rep** 43(2):631–7, Oct 78

[Effect of neuromediators on acid-base status] Lazareva LV, et al. **Biull Eksp Biol Med** 86(11):525–8, Nov 78 (Eng. Abstr.) **(Rus)**

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

PHYSIOPATHOLOGY

[Combination of a hormonally active adrenal tumor with hypertensive disease of the kidneys] Gerasimenko PP. **Kardiologiia** 18(11):51–7, Nov 78 (Eng. Abstr.) **(Rus)**

[Dynamics of levels of growth hormone and free fatty acids in the blood, and catecholamines in the urine of insulin-resistant and insulin-sensitive diabetes mellitus patients during insulin hypoglycemia] Alekseeva GG, et al. **Probl Endokrinol (Mosk)** 24(6):13–9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Activity of the sympatho-adrenal system in patients with hysterical psychopathy and psychasthenia] Trunova MM. **Zh Nevropatol Psikhiatr** 78(11):1662–6, 1978 (Eng. Abstr.) **(Rus)**

SECRETION

The sympathico-adrenomedullary system and non-shivering

thermogenesis in Perodicticus potto (Prosimii, Lorisidae, Lorisinae). Goffart M, et al. **Comp Biochem Physiol [C]** 61C(1):189–201, 1978

Influences of extracellular calcium and potassium concentrations on adrenaline release and membrane potential in the perfused adrenal medulla of the rat. Ishikawa K, et al. **Jpn J Physiol** 28(3):275–89, 1978

[The effect of hydrocortisone and calcium ion on the catecholamine release from the adrenal medullary slice (author's transl)] Nagai T.
Nippon Naibunpi Gakkai Zasshi 54(11):1271–80, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Interactions between autonomic nerves and adrenal chromaffin cells in culture and in two in vivo transplant systems. pp. 60–9. Unsicker K, et al.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

Reinnervation of the rat adrenal medulla transplanted in the anterior eye chamber. Kondo H. **J Anat** 127(2):323–31, Oct 78

ULTRASTRUCTURE

Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Benchimol S, et al. **Cell Tissue Res** 193(2):179–99, 17 Oct 78

Amine turnover and the effects of insulin hypoglycaemia on small-granule chromaffin (SGC) cells of the mouse adrenal medulla. pp. 86–96. Coupland RE, et al.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

Ultrastructural localization of granules and smooth endoplasmic reticulum with permanganate fixation in monoamine cells. pp. 15–28. Kanerva L, et al.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977. (62 ref.)

Interactions between autonomic nerves and adrenal chromaffin cells in culture and in two in vivo transplant systems. pp. 60–9. Unsicker K, et al.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

Reinnervation of the rat adrenal medulla transplanted in the anterior eye chamber. Kondo H. **J Anat** 127(2):323–31, Oct 78

CATECHOLAMINES

ANALYSIS

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

BIOSYNTHESIS

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

BLOOD

Plasma catecholamines during equipotent anaesthesia with cyclopropane and halothane–N2O in man. Stokke DB, et al. **Anaesthesist** 27(10):469–74, Oct 78

Arterial and venous catecholamine responses to passive orthostatic stimulation. Badder EM, et al. **Surg Forum** 28:115–8, 1977

[Morphine in the anesthetic management of pheochromocytoma (author's transl)] Oka N, et al.
Masui 27(12):1489–90, Nov 78 (Eng. Abstr.) **(Jpn)**

[Effect of naphthenic hydrocarbons from Naftalan petroleum and their fractions on the catecholamine level in the blood] Kuliev AKh, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** (6):52–4, Nov–Dec 78 **(Rus)**

METABOLISM

Mass-fragmentographic determination of catecholamine metabolites in amniotic fluid and its possible clinical usefulness. Muskiet FA, et al. **Clin Chem** 24(11):1899–902, Nov 78

On the role of ATP and divalent metal ions in the storage of catecholamines. H NMR studies of bovine adrenal chromaffin granules. Granot J, et al. **FEBS Lett** 95(1):45–8, 1 Nov 78

Differential effects of D 600 on release of catecholamines by acetylcholine, histamine, tyramine and by cyclic AMP from canine adrenal medulla. Hiwatari M, et al.
Jpn J Pharmacol 28(5):671–80, Oct 78

[Morphologic study of rat adrenals following flight aboard biosatellites 'Cosmos-605' and 'Cosmos-782'] Savina EA. **Arkh Anat Gistol Embriol** 75(9):30–6, Sep 78 (Eng. Abstr.) **(Rus)**

[Contents of catecholamines and corticosteroids in tissues of quinea pigs with C-hypovitaminosis] Lesnykh LD, et al. **Ukr Biokhim Zh** 50(5):592–5, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

SECRETION

Acute cardiac toxicity of antineoplastic agents as the first manifestation of pheochromocytoma. DeAsis DN Jr, et al. **Cancer** 42(4):2005–8, Oct 78

Calcium-dependent exocytosis in bovine adrenal medullary cells with leaky plasma membranes. Baker PF, et al.
Nature 276(5688):620–2, 7 Dec 78

[The effect of hydrocortisone and calcium ion on the catecholamine release from the adrenal medullary slice (author's transl)] Nagai T.
Nippon Naibunpi Gakkai Zasshi 54(11):1271–80, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

URINE

[Multiple phaeochomocytomas (author's transl)] Schindler G, et al. **ROEFO** 129(4):454–60, Oct 78 (Eng. Abstr.) **(Ger)**

[State of the sympathetic-adrenal system and renin activity in the blood in children with primary arterial hypertension in the process of beta-blockader treatment] Nebol'sina LI, et al. **Kardiologiia** 18(11):38–42, Nov 78 (Eng. Abstr.) **(Rus)**

[Dynamics of levels of growth hormone and free fatty acids in the blood, and catecholamines in the urine of insulin-resistant and insulin-sensitive diabetes mellitus patients during insulin hypoglycemia] Alekseeva GG, et al. **Probl Endokrinol (Mosk)** 24(6):13–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Functional changes in the sympathetic-adrenal system under anesthesia in children with stomatological diseases] Kolesov DV, et al. **Stomatologiia (Mosk)** 57(6):60–3, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Activity of the sympatho-adrenal system in patients with hysterical psychopathy and psychasthenia] Trunova MM. **Zh Nevropatol Psikhiatr** 78(11):1662–6, 1978 (Eng. Abstr.) **(Rus)**

CHROMAFFIN GRANULES

METABOLISM

Synthesis of chromogranins and dopamine beta-hydroxylase by perfused bovine adrenal glands. Ledbetter FH, et al.
Am J Physiol 235(5):E475–86, Nov 78

Phosphorus-31 nuclear magnetic resonance studies of active proton translocation in chromaffin granules. Njus D, et al.
Biochemistry 17(20):4337–43, 3 Oct 78

Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Benchimol S, et al. **Cell Tissue Res** 193(2):179–99, 17 Oct 78

On the role of ATP and divalent metal ions in the storage of catecholamines. H NMR studies of bovine adrenal chromaffin granules. Granot J, et al. **FEBS Lett** 95(1):45–8, 1 Nov 78

ULTRASTRUCTURE

Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Benchimol S, et al. **Cell Tissue Res** 193(2):179–99, 17 Oct 78

CHROMAFFIN SYSTEM

METABOLISM

Synthesis of chromogranins and dopamine beta-hydroxylase by perfused bovine adrenal glands. Ledbetter FH, et al.

*ADRENOCHROME See page 109.

Am J Physiol 235(5):E475–86, Nov 78

Phosphorus-31 nuclear magnetic resonance studies of active proton translocation in chromaffin granules. Njus D, et al. **Biochemistry** 17(20):4337–43, 3 Oct 78

On the role of ATP and divalent metal ions in the storage of catecholamines. H NMR studies of bovine adrenal chromaffin granules. Granot J, et al. **FEBS Lett** 95(1):45–8, 1 Nov 78

ULTRASTRUCTURE

Reinnervation of the rat adrenal medulla transplanted in the anterior eye chamber. Kondo H. **J Anat** 127(2):323–31, Oct 78

Three-way observations of the identical cell structures within the same sections by light microscopy, HVEM and SEM. Watari N, et al. **J Electron Microsc (Tokyo)** 26 Suppl:343–6, 1977

DOPA

PHARMACODYNAMICS

Disappearance of the difference between adrenal A and NA cells in the level of radioactivity after 3H-dopa injection in the hypophysectomized mouse. Kobayashi S, et al. **Arch Histol Jpn** 41(3):285–90, Jun 78

URINE

[Activity of the sympatho-adrenal system in patients with hysterical psychopathy and psychasthenia] Trunova MM. **Zh Nevropatol Psikhiatr** 78(11):1662–6, 1978 (Eng. Abstr.) **(Rus)**

DOPAMINE

THERAPEUTIC USE

Determination of 3-methoxy-4-hydroxyphenylpyruvic acid, 3,4-dihydroxyphenylethylene glycol, and 3,4-dihydroxyphenylmandelic acid in urine by mass fragmentography, with use of deuterium-labeled internal standards. Muskiet FA, et al. **Clin Chem** 24(11):2001–8, Nov 78

EPINEPHRINE

Disappearance of the difference between adrenal A and NA cells in the level of radioactivity after 3H-dopa injection in the hypophysectomized mouse. Kobayashi S, et al. **Arch Histol Jpn** 41(3):285–90, Jun 78

BLOOD

Arterial and venous catecholamine responses to passive orthostatic stimulation. Badder EM, et al. **Surg Forum** 28:115–8, 1977

[Adrenal and plasma catecholamines levels in the edible frog under various physiological conditions (proceedings) (author's transl)] Bourgeois P, et al. **Ann Endocrinol (Paris)** 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**

[Adrenaline and noradrenaline concentration in blood of suprarenal and renal vein in man with normal blood pressure and with essential hypertension (author's transl)] Planz G, et al. **Klin Wochenschr** 56(22):1109–12, 15 Nov 78 (Eng. Abstr.) **(Ger)**

[Disordered adaptation reactions of the sympathetic-adrenal system in thrombo-obliterative diseases] Ol'shanetskii AA, et al. **Klin Med (Mosk)** 56(11):97–101, Nov 78 **(Rus)**

METABOLISM

Spontaneous motor activity and catecholamines in suprarenals of rats after mexamine [proceedings] Tikal K. **Act Nerv Super (Praha)** 20(2):159–60, 1978

Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Benchimol S, et al. **Cell Tissue Res** 193(2):179–99, 17 Oct 78

Amine turnover and the effects of insulin hypoglycaemia on small-granule chromaffin (SGC) cells of the mouse adrenal medulla. pp. 86–96. Coupland RE, et al.

In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

[Adrenal and plasma catecholamines levels in the edible frog under various physiological conditions (proceedings) (author's transl)] Bourgeois P, et al. **Ann Endocrinol (Paris)** 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**

[Contents of catecholamines and corticosteroids in tissues of quinea pigs with C-hypovitaminosis] Lesnykh LD, et al. **Ukr Biokhim Zh** 50(5):592–5, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Effect of neuromediators on acid-base status] Lazareva LV, et al. **Biull Eksp Biol Med** 86(11):525–8, Nov 78 (Eng. Abstr.) **(Rus)**

SECRETION

The sympathico-adrenomedullary system and non-shivering thermogenesis in Perodicticus potto (Prosimii, Lorisidae, Lorisinae). Goffart M, et al. **Comp Biochem Physiol [C]** 61C(1):189–201, 1978

Influences of extracellular calcium and potassium concentrations on adrenaline release and membrane potential in the perfused adrenal medulla of the rat. Ishikawa K, et al. **Jpn J Physiol** 28(3):275–89, 1978

URINE

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

[Activity of the sympatho-adrenal system in patients with hysterical psychopathy and psychasthenia] Trunova MM. **Zh Nevropatol Psikhiatr** 78(11):1662–6, 1978 (Eng. Abstr.) **(Rus)**

ISOPROTERENOL

PHARMACODYNAMICS

Metabolic and cardiovascular responses to prolonged noradrenaline load and their antagonism by beta blockade in the rat. Harri MN. **Acta Physiol Scand** 104(4):402–14, Dec 78

LEVODOPA

PHARMACODYNAMICS

X-ray microanalysis in biogenic amine detection in the sympatho-chromaffin system. pp. 29–36. Santer RM, et al.

In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

THERAPEUTIC USE

Determination of 3-methoxy-4-hydroxyphenylpyruvic acid, 3,4-dihydroxyphenylethylene glycol, and 3,4-dihydroxyphenylmandelic acid in urine by mass fragmentography, with use of deuterium-labeled internal standards. Muskiet FA, et al. **Clin Chem** 24(11):2001–8, Nov 78

NOREPINEPHRINE

Disappearance of the difference between adrenal A and NA cells in the level of radioactivity after 3H-dopa injection in the hypophysectomized mouse. Kobayashi S, et al. **Arch Histol Jpn** 41(3):285–90, Jun 78

ANTAGONISTS & INHIBITORS

Metabolic and cardiovascular responses to prolonged noradrenaline load and their antagonism by beta blockade in the rat. Harri MN. **Acta Physiol Scand** 104(4):402–14, Dec 78

BLOOD

Prazosin in the diagnosis and treatment of pheochromocytoma. Wallace JM, et al. **JAMA** 240(25):2752–3, 15 Dec 78

Arterial and venous catecholamine responses to passive orthostatic stimulation. Badder EM, et al. **Surg Forum** 28:115–8, 1977

[Adrenal and plasma catecholamines levels in the edible frog under various physiological conditions (proceedings) (author's transl)] Bourgeois P, et al. **Ann Endocrinol (Paris)** 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**

[Adrenaline and noradrenaline concentration in blood of suprarenal and renal vein in man with normal blood pressure and with essential hypertension (author's transl)] Planz G, et al. **Klin Wochenschr** 56(22):1109–12, 15 Nov 78 (Eng. Abstr.) **(Ger)**

[Disordered adaptation reactions of the sympathetic–adrenal system in thrombo–obliterative diseases] Ol'shanetskii AA, et al. **Klin Med (Mosk)** 56(11):97–101, Nov 78 **(Rus)**

METABOLISM

Spontaneous motor activity and catecholamines in suprarenals of rats after mexamine [proceedings] Tikal K. **Act Nerv Super (Praha)** 20(2):159–60, 1978

Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Benchimol S, et al. **Cell Tissue Res** 193(2):179–99, 17 Oct 78

Amine turnover and the effects of insulin hypoglycaemia on small–granule chromaffin (SGC) cells of the mouse adrenal medulla. pp. 86–96. Coupland RE, et al. **In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.**

Plasma and tumor dopamine–beta–hydroxylase activity in patients with familial pheochromocytomas. Feldman JM, et al. **Metabolism** 27(12):1797–802, Dec 78

[Adrenal and plasma catecholamines levels in the edible frog under various physiological conditions (proceedings) (author's transl)] Bourgeois P, et al. **Ann Endocrinol (Paris)** 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Metabolic and cardiovascular responses to prolonged noradrenaline load and their antagonism by beta blockade in the rat. Harri MN. **Acta Physiol Scand** 104(4):402–14, Dec 78

PHYSIOLOGY

[Effect of neuromediators on acid–base status] Lazareva LV, et al. **Biull Eksp Biol Med** 86(11):525–8, Nov 78 (Eng. Abstr.) **(Rus)**

SECRETION

The sympathico–adrenomedullary system and non–shivering thermogenesis in Perodicticus potto (Prosimii, Lorisidae, Lorisinae). Goffart M, et al. **Comp Biochem Physiol [C]** 61C(1):189–201, 1978

URINE

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

[Activity of the sympatho–adrenal system in patients with hysterical psychopathy and psychasthenia] Trunova MM. **Zh Nevropatol Psikhiatr** 78(11):1662–6, 1978 (Eng. Abstr.) **(Rus)**

NORMETANEPHRINE

URINE

A simple and specific radioenzymatic assay for measurement of urinary normetanephrine. Vlachakis ND, et al. **Biochem Med** 20(1):107–14, Aug 78

PHEOCHROMOCYTOMA

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Chatterjee TK. **Med J Zambia** 11(6):167–9, Dec–Jan 78

ANALYSIS

[Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Fukuchi S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):898–908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

BLOOD

[Adrenaline and noradrenaline concentration in blood of suprarenal and renal vein in man with normal blood pressure and with essential hypertension (author's transl)] Planz G, et al. **Klin Wochenschr** 56(22):1109–12, 15 Nov 78 (Eng. Abstr.) **(Ger)**

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

COMPLICATIONS

Renal arteriography in von Hippel–Lindau Diease. Campbell DR, et al. **J Can Assoc Radiol** 29(4):243–6, Dec 78

Pheochromocytoma: diagnosis and management. Pratt JH, et al. **J Indiana State Med Assoc** 71(11):1076–8, Nov 78

Partial HGPRT deficiency: persistance of tophi after 12 years of therapeutic normouricemia and development of a pheochromocytoma. Zöllner N, et al. **Monogr Hum Genet** 10:112–5, 1978

Renovascular hypertension in neurofibromatosis. Immelman EJ, et al. **S Afr J Surg** 16(2):167–75, Jun 78

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**

[An array of psychological symptoms in organic diseases. Differential–diagnostic considerations] Klussmann R, et al. **Ther Ggw** 117(12):1890–903, Dec 78 **(Ger)**

DIAGNOSIS

A simple and specific radioenzymatic assay for measurement of urinary normetanephrine. Vlachakis ND, et al. **Biochem Med** 20(1):107–14, Aug 78

Phaeochromocytoma diagnosed during barium meal. Beggs I. **Br J Radiol** 51(611):918, Nov 78

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Acute cardiac toxicity of antineoplastic agents as the first manifestation of pheochromocytoma. DeAsis DN Jr, et al. **Cancer** 42(4):2005–8, Oct 78

Mass–fragmentographic determination of catecholamine metabolites in amniotic fluid and its possible clinical usefulness. Muskiet FA, et al. **Clin Chem** 24(11):1899–902, Nov 78

Pheochromocytoma: diagnosis and management. Pratt JH, et al. **J Indiana State Med Assoc** 71(11):1076–8, Nov 78

Prazosin in the diagnosis and treatment of pheochromocytoma. Wallace JM, et al. **JAMA** 240(25):2752–3, 15 Dec 78

Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Chatterjee TK. **Med J Zambia** 11(6):167–9, Dec–Jan 78

Diagnosis of pheochromocytoma by computed axial tomographic scan and other methods [letter] **N Engl J Med** 299(26):1469–71, 28 Dec 78

[Ultrasonographic investigations in the differential diagnosis of abdominal tumor. Case report (author's transl)] Rakoczy A, et al. **Pol Przegl Radiol** 42(3):237–40, May–Jun 78 (Eng. Abstr.) **(Pol)**

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

DRUG THERAPY

Prazosin in the diagnosis and treatment of pheochromocytoma. Wallace JM, et al. **JAMA** 240(25):2752–3, 15 Dec 78

ENZYMOLOGY

Plasma and tumor dopamine–beta–hydroxylase activity in patients with familial pheochromocytomas. Feldman JM, et al. **Metabolism** 27(12):1797–802, Dec 78

ETIOLOGY

Pheochromocytomas in von Hippel–Lindau disease [letter] Sybert VP. **AJR** 131(4):736, Oct 78

FAMILIAL & GENETIC

Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Tsuzaki K, et al. **Acta Cytol (Baltimore)** 22(5):321–6, Sep–Oct 78

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Plasma and tumor dopamine–beta–hydroxylase activity in patients with familial pheochromocytomas. Feldman JM, et al. **Metabolism** 27(12):1797–802, Dec 78

[A family with 4 cases of pheochromocytoma and 2 cases of Hippel–Lindau disease] Matsubara T, et al. **Nippon Rinsho** 36(9):3248–53, 10 Sep 78 **(Jpn)**

METABOLISM

NGF stimulates incorporation of fucose or glucosamine into an external glycoprotein in cultured rat PC12 pheochromocytoma cells. McGuire JC, et al. **Cell** 15(2):357–65, Oct 78

Plasma and tumor dopamine–beta–hydroxylase activity in patients with familial pheochromocytomas. Feldman JM, et al. **Metabolism** 27(12):1797–802, Dec 78

PATHOLOGY

Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Tsuzaki K, et al. **Acta Cytol (Baltimore)** 22(5):321–6, Sep–Oct 78

Pheochromocytomas [letter] Mendelsohn G, et al. **Hum Pathol** 9(5):607–8, Sep 78

Partial HGPRT deficiency: persistance of tophi after 12 years of therapeutic normouricemia and development of a pheochromocytoma. Zöllner N, et al. **Monogr Hum Genet** 10:112–5, 1978

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

[Intrathoracic pheochromocytoma (author's transl)] Masaoka A, et al. **Kyobu Geka** 31(11):870–4, Nov 78 (Eng. Abstr.) **(Jpn)**

[Malignant pheochromocytoma associated with adenomatoid transformation of Bowman's capsule epithelium--an autopsy case] Nakamura N, et al. **Nippon Rinsho** 36(8):3038–41, Aug 78 **(Jpn)**

PSYCHOLOGY

[An array of psychological symptoms in organic diseases. Differential–diagnostic considerations] Klussmann R, et al. **Ther Ggw** 117(12):1890–903, Dec 78 **(Ger)**

RADIOGRAPHY

Computed tomography in adrenal tumors. Dunnick NR, et al. **AJR** 132(1):43–6, Jan 79

Renal arteriography in von Hippel–Lindau Diease. Campbell DR, et al. **J Can Assoc Radiol** 29(4):243–6, Dec 78

Diagnosis of pheochromocytoma by computed axial tomographic scan and other methods [letter] **N Engl J Med** 299(26):1469–71, 28 Dec 78

Computed tomography of the adrenal gland. Karstaedt N, et al. **Radiology** 129(3):723–30, Dec 78

[The difficulties of radiographic diagnosis of extra–adrenal pheochromocytomas (proceedings) (author's transl)] Narboni G, et al. **Ann Endocrinol (Paris)** 39(3):263–5, 1978 (Eng. Abstr.) **(Fre)**

[Radiological signs of tumours of the adrenal glands (author's transl)] Scouteris M, et al. **Sem Hop Paris** 54(25–28):839–45, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Multiple phaeochomocytomas (author's transl)] Schindler G, et al. **ROEFO** 129(4):454–60, Oct 78 (Eng. Abstr.) **(Ger)**

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)] Sasaki T, et al. **Rinsho Hoshasen** 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**

SECRETION

Acute cardiac toxicity of antineoplastic agents as the first manifestation of pheochromocytoma. DeAsis DN Jr, et al. **Cancer** 42(4):2005–8, Oct 78

Pheochromocytomas [letter] Mendelsohn G, et al. **Hum Pathol** 9(5):607–8, Sep 78

[The ectopic ACTH syndrome] Pelkonen R, et al. **Duodecim** 94(22):1377–84, 1978 **(Fin)**

[Phaeochromocytoma with hypokalaemia (two cases) (author's transl)] Decoulx M, et al. **Ann Endocrinol (Paris)** 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**

SURGERY

Intraoperative management of phaeochromocytoma with sodium nitroprusside [letter] Krapez J, et al. **Br Med J** 2(6144):1088, 14 Oct 78

Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Chatterjee TK. **Med J Zambia** 11(6):167–9, Dec–Jan 78

[Intrathoracic pheochromocytoma (author's transl)] Masaoka A, et al. **Kyobu Geka** 31(11):870–4, Nov 78 (Eng. Abstr.) **(Jpn)**

[Morphine in the anesthetic management of pheochromocytoma (author's transl)] Oka N, et al. **Masui** 27(12):1489–90, Nov 78 (Eng. Abstr.) **(Jpn)**

THERAPY

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Pheochromocytoma: diagnosis and management. Pratt JH, et al. **J Indiana State Med Assoc** 71(11):1076–8, Nov 78

ULTRASTRUCTURE

Pheochromocytomas [letter] Mendelsohn G, et al. **Hum Pathol** 9(5):607–8, Sep 78

URINE

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

Determination of 3–methoxy–4–hydroxyphenylpyruvic acid, 3,4–dihydroxyphenylethylene glycol, and 3,4–dihydroxyphenylmandelic acid in urine by mass fragmentography, with use of deuterium–labeled internal standards. Muskiet FA, et al. **Clin Chem** 24(11):2001–8, Nov 78

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

VANILMANDELIC ACID

ANALYSIS

Mass–fragmentographic determination of catecholamine metabolites in amniotic fluid and its possible clinical usefulness. Muskiet FA, et al. **Clin Chem** 24(11):1899–902, Nov 78

URINE

Pheochromocytoma in the modern context. Delarue NC, et al. **Can J Surg** 21(5):387–94, Sep 78

ADRENOCHROME

Divascan in migraine prophylaxis. Open trial with three different doses. Osterman PO Headache **18(4):225–8,** Sep 78

Hepatic microsonial metabolism of epinephrine and adrenchrome by superoxide-dependent and independent pathways. Powis G. Biochem Pharmacol 28(1):83–9.,

GONADS

I. *Physical and Functional Aspects*

GONADS

[Utility and limits of LHRH test in sexual endocrinology (proceedings) (author's transl)] Lemarchand-Béraud T, et al. **Ann Endocrinol (Paris)** 39(3):229–31, 1978 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59–84, 1977

ANALYSIS

Primary structure of histone H2A from gonad of the sea urchin Psammechinus miliaris. Wouters D, et al. **Eur J Biochem** 90(2):231–9, Oct 78

[Lipid composition of the gonads of female Strongylocentrotus nudus sea urchins at different stages of development] Kostetskii Ela, et al. **Ontogenez** 9(5):495–500, 1978 (Eng. Abstr.) **(Rus)**

CYTOLOGY

[Hermaphroditism in gasteropod mollusca] Gomot L. **Probl Actuels Endocrinol Nutr** (21):323–53, 1977 (50 ref.) **(Fre)**

DRUG EFFECTS

[Mutagenic agents: detection systems and clinico–pathological correlations] Migone M, et al. **Recenti Prog Med** 65(4):340–65, Oct 78 (87 ref.) (Eng. Abstr.) **(Ita)**

[Data on hygienic standards for 2,4–D herbicides in environmental objects] Konstantinova TK, et al. **Gig Sanit** (11):9–13, Nov 78 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

XYY karyotype, female phenotype and gonadal dysgenesis. A case report. Grace HJ, et al. **S Afr Med J** 54(7):284–6, 12 Aug 78

[The effect of the cephalic complex (eyestalks–brain) on the development of infantile and juvenile gonads of Arion subfuscus Drap. (Gasteropoda, Pulmonata) cultured in vitro] Wattez C. **Gen Comp Endocrinol** 35(4):360–74, Aug 78 (Eng. Abstr.) **(Fre)**

PATHOLOGY

XY female: a case report of Mullerian and gonadal dysgenesis. Kasirajan N, et al. **J Assoc Physicians India** 26(6):543–5, Jun 78

PHYSIOLOGY

[Determination of serum dehydroepiandrosterone sulfate in children and its clinical significance] Koshimizu T. **Horumon To Rinsho** 26(11):1120–5, Nov 78 **(Jpn)**

[Comparative study of gastric glands following vagotomy, adrenal--and gonadectomy] Turevskii AA, et al. **Fiziol Zh SSSR** 64(9):1278–82, Sep 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

RADIATION EFFECTS

Cumulative radiation tallied by tiny chips [news] Annexton M. **JAMA** 241(3):226–7, 19 Jan 79

[Hermaphroditism in gasteropod mollusca] Gomot L. **Probl Actuels Endocrinol Nutr** (21):323–53, 1977 (50 ref.) **(Fre)**

SECRETION

[Dynamics of the sex hormone and progesterone level in the peripheral blood and their production by the gonads and adrenals in postnatal ontogeny in silver foxes] Krass PM, et al. **Ontogenez** 9(6):576–83, 1978 (Eng. Abstr.) **(Rus)**

Ovary

CORPUS LUTEUM

Fertility inhibition by intraoviductal copper beads in rabbits. Quijada S, et al. **Contraception** 17(6):553–62, Jun 78

ANALYSIS

[Cyto-immuno-enzymological localization trial of steroid hormones in the female ovarian corpus luteum (author's transl)] Benkoël L, et al. **Cell Mol Biol** 23(2):191–5, 1978 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis. Guraya SS, et al. **Acta Morphol Neerl Scand** 16(3):199–223, Sep 78

Growth pattern of the cultured porcine corpus luteum cells. Gregoraszczuk E, et al. **Bull Acad Pol Sci [Biol]** 26(8):567–9, Nov 78

Hormone production by the intact human corpus luteum in vitro. Biggs JS, et al. **J Reprod Fertil** 54(2):221–5, Nov 78

[Histological and karyometric changes in the periodic yellow body of heifers following administration of melengestrol acetate] Maraček I, et al. **Vet Med (Praha)** 23(11):669–80, Nov 78 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

Pregnant mare's serum gonadotropin: V. Indomethacin or cortisone and the reversal of antifertility efficacy of pregnant mare's serum gonadotropin. Gupta T, et al. **Contraception** 17(6):547–52, Jun 78

Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. **J Oral Pathol** 7(5):239–52, Oct 78 (0 ref.)

Hormone production by the intact human corpus luteum in vitro. Biggs JS, et al. **J Reprod Fertil** 54(2):221–5, Nov 78

Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra-luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539–45, Nov 78

[Corpus luteum function in the middle luteal phase following treatment with prostaglandins] Seifert B, et al. **Zentralbl Gynaekol** 100(17):1112–8, 1978 (Eng. Abstr.) **(Ger)**

[Histological and karyometric changes in the periodic yellow body of heifers following administration of melengestrol acetate] Maraček I, et al. **Vet Med (Praha)** 23(11):669–80, Nov 78 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Steroidogenic cellular sites in the cat ovary: a histochemical study. Saidapur SK. **Gen Comp Endocrinol** 35(4):475–80, Aug 78

GROWTH & DEVELOPMENT

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

METABOLISM

Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis. Guraya SS, et al. **Acta Morphol Neerl Scand** 16(3):199–223, Sep 78

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249–55, Sep 78

Hormone production by the intact human corpus luteum in vitro. Biggs JS, et al. **J Reprod Fertil** 54(2):221–5, Nov 78

Embryonic stimulation of ovine and bovine corpora lutea. Godkin JD, et al. **J Reprod Fertil** 54(2):375–8, Nov 78

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov-Dec 75

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

Role of prostaglandin F2alpha in modulation of LH-stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

In vitro synthesis of progesterone and prostaglandin F by luteal tissue and prostaglandin F by endometrial tissue from the pig. Guthrie HD, et al. **Prostaglandins** 16(3):433–40, Sep 78

Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

[Corpus luteum function in the middle luteal phase following treatment with prostaglandins] Seifert B, et al. **Zentralbl Gynaekol** 100(17):1112–8, 1978 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

The genesis of research on the progestins. Greep RO. **Ann NY Acad Sci** 286:1–9, 11 Mar 77 (60 ref.)

Undernutrition, puberty and the development of estrogen positive feedback in the female rat. Ronnekleiv OK, et al. **Biol Reprod** 19(2):414–24, Sep 78

Variations in 'functional' blood flow as related to corpus luteum activity in cyclic guinea pigs. Wehrenberg WB, et al. **Biol Reprod** 19(2):380–4, Sep 78

The rat estrous cycle associated with functional corpora lutea and the mechanism of its recurrence. Naito H, et al. **Endocrinol Jpn** 25(4):367–76, Aug 78

Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra-luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539–45, Nov 78

A comparative study of the contraceptive mechanism of the Cu-intrauterine device and the plastic-intrauterine device in rats. Takahashi K, et al. **Tohoku J Exp Med** 126(4):325–33, Dec 78

PHYSIOPATHOLOGY

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

SECRETION

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

SURGERY

The possible mode of action of prostaglandins: XIV. Evidence of an involvement of progesterone in the initiation of prostaglandin F2a-induced premature labor in rats. Basu

R, et al. **Contraception** 18(3):225–31, Sep 78

ULTRASTRUCTURE

Gonadotropin receptors in human corpora lutea of term pregnancies. Rao CV, et al. **Am J Obstet Gynecol** 132(5):581–3, 1 Nov 78

Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

[Cyto–immuno–enzymological localization trial of steroid hormones in the female ovarian corpus luteum (author's transl)] Benkoël L, et al. **Cell Mol Biol** 23(2):191–5, 1978 (Eng. Abstr.) **(Fre)**

[Corpus luteum function in the middle luteal phase following treatment with prostaglandins] Seifert B, et al. **Zentralbl Gynaekol** 100(17):1112–8, 1978 (Eng. Abstr.) **(Ger)**

[Histological and karyometric changes in the periodic yellow body of heifers following administration of melengestrol acetate] Maraček I, et al. **Vet Med (Praha)** 23(11):669–80, Nov 78 (Eng. Abstr.) **(Slo)**

GRAAFIAN FOLLICLE

Some properties of the interaction of follicle stimulating hormone with bovine granulosa cells and its inhibition by follicular fluid. Darga NC, et al. **Biol Reprod** 19(2):235–41, Sep 78

Partial characterization of FSH suppressing activity (folliculostatin) in porcine follicular fluid using the metestrous rat as an in vivo bioassay model. Lorenzen JR, et al. **Biol Reprod** 19(3):635–40, Oct 78

Inhibitor of oocyte maturation from porcine follicular fluid: further purification and evidence for reversible action. Stone SL, et al. **Biol Reprod** 19(3):585–92, Oct 78

ANALYSIS

Partial characterization of FSH suppressing activity (folliculostatin) in porcine follicular fluid using the metestrous rat as an in vivo bioassay model. Lorenzen JR, et al. **Biol Reprod** 19(3):635–40, Oct 78

Inhibitor of oocyte maturation from porcine follicular fluid: further purification and evidence for reversible action. Stone SL, et al. **Biol Reprod** 19(3):585–92, Oct 78

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

The histochemistry of complex carbohydrates in the ovarian follicles of adult mice. Tadano Y, et al. **Histochemistry** 57(3):203–15, 15 Sep 78

The uptake and redistribution of 241pu within the gonads. Priest ND, et al. **Int J Radiat Biol** 34(1):49–65, Jul 78

Identification, purification and immunohistochemical detection of the inhibitor from porcine ovarian follicular fluid to compensatory ovarian hypertrophy in mice. Sato E, et al. **J Reprod Fertil** 54(2):263–7, Nov 78

CYTOLOGY

Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis. Guraya SS, et al. **Acta Morphol Neerl Scand** 16(3):199–223, Sep 78

Morphometric analysis of follicular development in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):597–605, Oct 78

The effect of restricted food intake on the size and composition of the ovarian follicle population in the Wistar rat. Lintern–Moore S, et al. **Biol Reprod** 19(3):688–91, Oct 78

Effects of medium composition and progesterone on maturation in vitro of rabbit oocytes from Graafian follicles of different sizes. Smith DM, et al. **J Reprod Fertil** 54(2):393–400, Nov 78

[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

The role of FSH in the selection of large ovarian follicles in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):606–11, Oct 78

Nonvitellogenic female sterile mutants and the regulation of vitellogenesis in Drosophila melanogaster. Postlethwait JH, et al. **Dev Biol** 67(1):202–13, Nov 78

Effect of anaesthesia on ovarian follicular development and ovulation in the sheep subsequent to prostaglandin–induced luteolysis. Radford HM, et al. **J Endocrinol** 78(3):321–7, Sep 78

Ovulatory response of hypophysectomized hamsters to deferred injection of LH. Greenwald GS. **J Reprod Fertil** 54(2):323–4, Nov 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445–9, Oct 75

Possible interconversion of PGE2 and PGE2alpha by pig follicles superfused in vitro. Dodson KS, et al. **Prostaglandins Med** 1(4):293–4, Oct 78

[Effect of choriogonadotropin on the ovaries and uterus of infantile rats following treatment of the amygdaloid nuclei] Katerenchuk IP. **Probl Endokrinol (Mosk)** 24(6):78–82, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267–73, Jun 78

Morphometric analysis of follicular development in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):597–605, Oct 78

The role of FSH in the selection of large ovarian follicles in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):606–11, Oct 78

The effect of restricted food intake on the size and composition of the ovarian follicle population in the Wistar rat. Lintern–Moore S, et al. **Biol Reprod** 19(3):688–91, Oct 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophins and ovarian–follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

The structure of the germinal disc region of the hen's ovarian follicle during the rapid growth phase. Perry MM, et al. **J Anat** 127(2):379–92, Oct 78

IMMUNOLOGY

The possible role of immunological complement in induction of rabbit sperm acrosome reaction. Cabot CL, et al. **Biol Reprod** 19(3):666–72, Oct 78

Role of the immune system in regulation of ovarian function–hypothesis. Bukovsky A, et al. **Czech Med** 1(4):229–37, 1978

Antigens of pig follicular fluid and ovarian tissue and the effect of anti–ovarian serum on pig oocytes and spermatozoa. Veselský L, et al. **Int J Fertil** 23(2):143–7, 1978

METABOLISM

Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis. Guraya SS, et al. **Acta Morphol Neerl Scand** 16(3):199–223, Sep 78

The follicle cell epithelium of maturing ovaries of Locusta migratoria: a new biosynthetic tissue for ecdysone. Goltzené F, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1427–34, Oct 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

Evidence for the presence of oestrone, oestradiol–17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov–Dec 75

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445–9, Oct 75

Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Triebwasser WF, et al. **Prostaglandins** 16(4):621–32, Oct 78

Possible interconversion of PGE2 and PGE2alpha by pig follicles superfused in vitro. Dodson KS, et al. **Prostaglandins Med** 1(4):293–4, Oct 78

Oocyte–follicle cell gap junctions in Xenopus laevis and the effects of gonadotropin on their permeability. Browne CL, et al. **Science** 203(4376):182–3, 12 Jan 79

[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Ovarian morphology during experimental blastomogenesis in the cerebellum] Faustov LA. **Zh Nevropatol Psikhiatr** 78(12):1784–7, 1978 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pregnancy and the Turner syndrome. King CR, et al. **Obstet Gynecol** 52(5):617–24, Nov 78

[Ovarian morphology during experimental blastomogenesis in the cerebellum] Faustov LA. **Zh Nevropatol Psikhiatr** 78(12):1784–7, 1978 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Nonvitellogenic female sterile mutants and the regulation of vitellogenesis in Drosophila melanogaster. Postlethwait JH, et al. **Dev Biol** 67(1):202–13, Nov 78

Intercellular bridges between follicle cells and oocyte during the differentiation of follicular epithelium in Lacerta sicula Raf. Andreuccetti P, et al. **J Cell Sci** 33:341–50, Oct 78

Ovulatory response of hypophysectomized hamsters to deferred injection of LH. Greenwald GS. **J Reprod Fertil** 54(2):323–4, Nov 78

Ultrastructural changes in the theca interna during follicular atresia in sheep. O'Shea JD, et al. **J Reprod Fertil** 54(1):183–7, Sep 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

PHYSIOPATHOLOGY

A case of intermittent ovarian failure. Schreiber JR, et al. **Am J Obstet Gynecol** 132(6):698–9, 15 Nov 78

ULTRASTRUCTURE

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

The structure of the germinal disc region of the hen's ovarian follicle during the rapid growth phase. Perry MM, et al. **J Anat** 127(2):379–92, Oct 78

Intercellular bridges between follicle cells and oocyte during the differentiation of follicular epithelium in Lacerta sicula Raf. Andreuccetti P, et al. **J Cell Sci** 33:341–50, Oct 78

Ultrastructural changes in the theca interna during follicular atresia in sheep. O'Shea JD, et al. **J Reprod Fertil** 54(1):183–7, Sep 78

Oocyte–follicle cell gap junctions in Xenopus laevis and the effects of gonadotropin on their permeability. Browne CL, et al. **Science** 203(4376):182–3, 12 Jan 79

GRANULOSA CELLS

CYTOLOGY

Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Haney AF, et al. **Biol Reprod** 19(2):242–8, Sep 78

Morphometric analysis of follicular development in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):597–605, Oct 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

Studies on the oogonial cycle in Puntius ticto (Ham.) III. Formation of degenerated follicles. Kapoor CP. **Z Mikrosk Anat Forsch** 91(4):787–93, 1977

DRUG EFFECTS

Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Haney AF, et al. **Biol Reprod** 19(2):242–8, Sep 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

A stimulatory effect of the fluid from preimplantation rabbit blastocysts upon luteinization of monkey granulosa cell cultures. Channing CP, et al. **J Reprod Fertil** 54(2):215–20, Nov 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

ENZYMOLOGY

Synthesis of lipoprotein lipase in cultured avian granulosa cells. Brannon PM, et al. **Biochim Biophys Acta** 531(1):96–108, 25 Oct 78

GROWTH & DEVELOPMENT

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

METABOLISM

Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis. Guraya SS, et al. **Acta Morphol Neerl Scand** 16(3):199–223, Sep 78

Synthesis of lipoprotein lipase in cultured avian granulosa cells. Brannon PM, et al. **Biochim Biophys Acta** 531(1):96–108, 25 Oct 78

Some properties of the interaction of follicle stimulating hormone with bovine granulosa cells and its inhibition by follicular fluid. Darga NC, et al. **Biol Reprod** 19(2):235–41, Sep 78

Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Haney AF, et al. **Biol Reprod** 19(2):242–8, Sep 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Parallel competitive binding and metabolic endpoint assays for hCG based on rabbit granulosa cells. Boggis J, et al. **J Reprod Fertil** 54(1):127–31, Sep 78

Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. Fowler RE, et al. **J Reprod Fertil** 54(1):109–17, Sep 78

Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Triebwasser WF, et al. **Prostaglandins** 16(4):621–32, Oct 78

PHYSIOLOGY

A stimulatory effect of the fluid from preimplantation rabbit blastocysts upon luteinization of monkey granulosa cell cultures. Channing CP, et al. **J Reprod Fertil** 54(2):215–20, Nov 78

SECRETION

Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

ULTRASTRUCTURE

The structure of the germinal disc region of the hen's ovarian follicle during the rapid growth phase. Perry MM, et al. **J Anat** 127(2):379–92, Oct 78

Origin and fate of cytoplasmic gap junctional vesicles in rabbit granulosa cells. Larsen WJ, et al. **Tissue Cell** 10(3):585–98, 1978

LUTEIN CELLS

CYTOLOGY

Growth pattern of the cultured porcine corpus luteum cells. Gregoraszczuk E, et al. **Bull Acad Pol Sci [Biol]** 26(8):567–9, Nov 78

OVARY

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Ovarian pregnancy associated with copper-7 intrauterine device. Berger B, et al. **Obstet Gynecol** 52(5):597–600, Nov 78

[Multi-organ specific autoimmunity in idiopathic adrenal insufficiency: autosensitization to steroid hormone-producing cells and antigens of the anterior pituitary gland (author's transl)] Ludwig H, et al. **Wien Klin Wochenschr** 90(20):736–41, 27 Oct 78 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

[Case of a neovagina in aplasia of the vagina, uterus, fallopian tubes and ovary] Kurlov T, et al. **Akush Ginekol (Sofiia)** 17(5):371–3, 1978 (Eng. Abstr.) **(Bul)**

[Histochemical studies of dysgenesic ovaries in rats. Enzyme of general metabolism (author's transl)] Vanhems E, et al. **Cell Mol Biol** 23(2):171–7, 1978 (Eng. Abstr.) **(Fre)**

ANALYSIS

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267–73, Jun 78

The histochemistry of complex carbohydrates in the ovarian follicles of adult mice. Tadano Y, et al. **Histochemistry** 57(3):203–15, 15 Sep 78

ANATOMY & HISTOLOGY

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

Morphology of the barren-ground caribou ovary. Dauphiné TC Jr. **Can J Zool** 56(8):1684–96, Aug 78

CNS stimulation effect on the sexual maturation of the female rat. Okonmah AD, et al. **Experientia** 34(9):1238–9, 15 Sep 78

Studies on ovarian and uterine weight responses to follicle stimulating hormone. Jacobs MM. **Tex Rep Biol Med** 36:121–32, 1978

Studies on the oogonial cycle in Puntius ticto (Ham.) III. Formation of degenerated follicles. Kapoor CP. **Z Mikrosk Anat Forsch** 91(4):787–93, 1977

[Cyto-immuno-enzymological localization trial of steroid hormones in the female ovarian corpus luteum (author's transl)] Benkoël L, et al. **Cell Mol Biol** 23(2):191–5, 1978 (Eng. Abstr.) **(Fre)**

[Relationships between the size of ovarian follicles, the binding capacity of uterine estrogen receptors and estrogen concentrations in the follicular fluid and urine of calves under estrogen therapy] Rockel P, et al. **Berl Muench Tieraerztl Wochenschr** 91(24):476–9, 1978 (Eng. Abstr.) **(Ger)**

[Effect of bass-frequency vibration on ovarian morphology and function] Kalashnikova NA, et al. **Akush Ginekol (Mosk)** (10):25–9, 1978 (Eng. Abstr.) **(Rus)**

[Structure of the follicular epithelium of the gonads Neva lamprey Lampetra fluviatilis (classification of the follicular epithelia of vertebrates)] Gabaeva NS, et al. **Arkh Anat Gistol Embriol** 75(10):54–62, Oct 78 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Topography of ovarian veins in pregnancy. Ohlson L. **Acta Radiol [Diagn] (Stockh)** 19(4):669–74, 1978

Effect of luteinizing hormone on ovarian release of steroids: ovarian vein-sampling technique in conscious gilt. Eiler H. **Am J Vet Res** 39(10):1695–8, Oct 78

Variations in 'functional' blood flow as related to corpus luteum activity in cyclic guinea pigs. Wehrenberg WB, et al. **Biol Reprod** 19(2):380–4, Sep 78

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

[Ovarian vein syndrome--myth or reality] Petri E, et al. **Helv Chir Acta** 44(3):365–7, Jun 77 **(Ger)**

CYTOLOGY

The effect of restricted food intake on the size and composition of the ovarian follicle population in the Wistar rat. Lintern-Moore S, et al. **Biol Reprod** 19(3):688–91, Oct 78

Morphogenesis of the genital system in the human. Jirásek JE. **Birth Defects** 13(2):13–39, 1977 (42 ref.)

Ultrastructural observations on the oogenesis of Triops cancriformis (Crustacea, Notostraca). Trentini M, et al. **Cell Tissue Res** 194(1):71–7, 9 Nov 78

Steroidogenic cellular sites in the cat ovary: a histochemical study. Saidapur SK. **Gen Comp Endocrinol** 35(4):475–80, Aug 78

Expression of human mammary epithelial (HME) antigens in primary cultures of normal and abnormal breast tissue. Peterson JA, et al. **Int J Cancer** 22(6):655–61, Dec 78

Peripheral RNA synthesis of fibrillar center in nucleoli of Japanese quail oocytes and somatic cells. Mirre C, et al. **J Ultrastruct Res** 64(3):377–87, Sep 78

Studies on the nurse cells and oogenesis in the sea urchin ovary. I. Morphology of the nurse cell (light microscopy of epon serial section). Kume T, et al. **Med J Osaka Univ** 28(3–4):173–82, Mar 78

[Morphofunctional changes of the ovary after hormonal contraception] Portuondo JA, et al. **Acta Ginecol (Madr)** 33(3):39–47, 1 Sep 78 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Effect of luteinizing hormone on ovarian release of steroids: ovarian vein-sampling technique in conscious gilt. Eiler H. **Am J Vet Res** 39(10):1695–8, Oct 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Stimulation of ribonucleic aicd synthesis in luteinized rat ovary by cyclic 3', 5'-adenosine monophosphate. Azhar S, et al. **Biol Reprod** 19(2):346–57, Sep 78

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

Dimethystilbestrol is not antiestrogenic for rat sexual behavior or gonadotropin secretion. Etgen AM, et al. **Biol Reprod** 19(2):454–8, Sep 78

The role of FSH in the selection of large ovarian follicles in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):606–11, Oct 78

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

The existence of a puberty accelerating pheromone in the urine of the male prairie deermouse (Peromyscus maniculatus bairdii). Teague LG, et al. **Biol Reprod** 19(2):314–7, Sep 78

Treatment of childhood cancer: effects on gonads [letter] Shalet SM, et al. **Br Med J** 2(6147):1295–6, 4 Nov 78

The effect of fenitrothion on reproduction of a teleost fish, Cyprinus carpio communis Linn: a biochemical study. Kapur K, et al. **Bull Environ Contam Toxicol** 20(4):438–42, Oct 78

The effect of prostaglandins F2alpha and E2 on pregnancy in mice during implantation. Bronson R, et al. **Fertil Steril** 30(3):354–61, Sep 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

The effect of the S-triazine herbicides Gesatop 50 and Gesagard 50 on oogenesis of Pterostichus cupreus L., Pterostichus melanarius Ill., and Agonum dorsale Pnt. (Coleoptera : Carabidae). Rożek M. **Folia Biol (Krakow)** 26(3):171–9, 1978

Effect of oleoresin of gum guggul (Commiphora mukul) on the reproductive organs of female rat. Amma MK, et al. **Indian J Exp Biol** 16(9):1021–3, Sep 78

Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235–40, Jul 78

Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. Andersen JM, et al. **J Biol Chem** 253(24):9024–32, 25 Dec 78

Significance of prolactin in spontaneously persistent oestrous

rats. Gosden RG. **J Endocrinol** 78(3):451-2, Sep 78

Pathological changes in female C3H mice continuously fed diets containing diethylstilbestrol or 17beta--estradiol. Highman B, et al. **J Environ Pathol Toxicol** 1(1):1-30, Sep-Oct 78

11,12-Secoprostaglandins. 5. 8-Acetyl- or 8-(1-hydroxyethyl)-12-hydroxy-13-aryloxytridecanoic acids and sulfonamide isosteres as inhibitors of platelet aggregation. Bicking JB, et al. **J Med Chem** 21(10):1011-8, Oct 78

Identification, purification and immunohistochemical detection of the inhibitor from porcine ovarian follicular fluid to compensatory ovarian hypertrophy in mice. Sato E, et al. **J Reprod Fertil** 54(2):263-7, Nov 78

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11-12):1517-22, Nov-Dec 75

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731-8, Aug 78

Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Schreiber V, et al. **Physiol Bohemoslov** 27(6):505-13, 1978

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra-luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539-45, Nov 78

Studies on ovarian and uterine weight responses to follicle stimulating hormone. Jacobs MM. **Tex Rep Biol Med** 36:121-32, 1978

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133-42, 1978

[New industries and industrial hazards with gonadotropic, embryotropic and mutagenic effects] Marinova G. **Akush Ginekol (Sofiia)** 17(5):360-6, 1978 **(Bul)**

[Effect of choriogonadotropin on the ovaries and uterus of infantile rats following treatment of the amygdaloid nuclei] Katerenchuk IP. **Probl Endokrinol (Mosk)** 24(6):78-82, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Morphofunctional changes of the ovary after hormonal contraception] Portuondo JA, et al. **Acta Ginecol (Madr)** 33(3):39-47, 1 Sep 78 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Morphogenesis of the genital system in the human. Jirásek JE. **Birth Defects** 13(2):13-39, 1977 (42 ref.)

Hormones in the morphogenesis of the genital system. Jost A, et al. **Birth Defects** 13(2):85-97, 1977

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41-58, 1977 (62 ref.)

Occurrence of nuage in fetal human germ cells. Kellokumpu-Lehtinen PL, et al. **Cell Tissue Res** 194(1):171-7, 9 Nov 78

ENZYMOLOGY

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues. Amsterdam A, et al. **Biochim Biophys Acta** 544(2):273-83, 1 Dec 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262-72, 1 Dec 78

The postnatal development of microsomal expoxide hydrase, cytosolic glutathione S-transferase, and mitochondrial and microsomal cytochrome P-450 in adrenals and ovaries of female rats. Mukhtar H, et al. **Drug Metab Dispos** 6(5):577-83, Sep-Oct 78

Gonadotropin induced stimulation and desensitization of cyclic 3', 5' -adenosine monophosphate dependent protein kinase(s) in the rat ovary. Azhar S, et al. **Endocr Res Commun** 5(1):1-19, 1978

Further evidence for decreased delta5-3beta-hydroxysteroid dehydrogenase activity in female tadpoles after estradiol treatment. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):451-4, Aug 78

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347-54, Aug 78

Steroidogenic cellular sites in the cat ovary: a histochemical study. Saidapur SK. **Gen Comp Endocrinol** 35(4):475-80, Aug 78

Cyclic AMP-dependent regulation of ornithine decarboxylase activity in Chinese hamster ovary cells maintained with a salts/glucose medium. Costa M. **J Cyclic Nucleotide Res** 4(5):375-87, Oct 78

Evidence for the common identity of rabbit ovarian 20alpha- and 17beta-hydroxysteroid dehydrogenases. Rodway RG, et al. **J Endocrinol** 78(3):459-60, Sep 78

Properties of LH-sensitive adenylate cyclase in purified plasma membranes from rat ovary. Mintz Y, et al. **Mol Cell Endocrinol** 11(3):265-83, Sep 78

Estrogen 2-hydroxylase: activity in rat tissues. Barbieri RL, et al. **Steroids** 32(4):529-38, Nov 78

[Histochemical studies of dysgenesic ovaries in rats. Enzyme of general metabolism (author's transl)] Vanhems E, et al. **Cell Mol Biol** 23(2):171-7, 1978 (Eng. Abstr.) **(Fre)**

[Effect of bass-frequency vibration on ovarian morphology and function] Kalashnikova NA, et al. **Akush Ginekol (Mosk)** (10):25-9, 1978 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758-65, 1 Dec 78

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267-73, Jun 78

Development of the calyx and lateral oviduct during oogenesis in Aedes aegypti. Lehane MJ, et al. **Cell Tissue Res** 193(1):125-37, 6 Oct 78

The postnatal development of microsomal expoxide hydrase, cytosolic glutathione S-transferase, and mitochondrial and microsomal cytochrome P-450 in adrenals and ovaries of female rats. Mukhtar H, et al. **Drug Metab Dispos** 6(5):577-83, Sep-Oct 78

IMMUNOLOGY

Role. of the immune system in regulation of ovarian function-hypothesis. Bukovsky A, et al. **Czech Med** 1(4):229-37, 1978

Expression of human mammary epithelial (HME) antigens in primary cultures of normal and abnormal breast tissue. Peterson JA, et al. **Int J Cancer** 22(6):655-61, Dec 78

Antigens of pig follicular fluid and ovarian tissue and the effect of anti-ovarian serum on pig oocytes and spermatozoa. Veselský L, et al. **Int J Fertil** 23(2):143-7, 1978

[Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Higuchi T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1163-86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

INNERVATION

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540-51, Oct 78 (65 ref.)

METABOLISM

Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis. Guraya SS, et al. **Acta Morphol Neerl Scand** 16(3):199-223, Sep 78

Quantitative analysis of RNA, glycogen and nucleotides from different developmental stages of Ascaris lumbricoides (var. suum). Kuhn O, et al. **Biochim Biophys Acta** 521(1):251-66, 21 Nov 78

Stimulation of ribonucleic aicd synthesis in luteinized rat ovary by cyclic 3', 5'-adenosine monophosphate. Azhar S, et al. **Biol Reprod** 19(2):346-57, Sep 78

Pregnancy maintenance and progesterone concentrations in the musk shrew, Suncus murinus (order: Insectivora). Hasler MJ, et al. **Biol Reprod** 19(2):407-13, Sep 78

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641-7, Oct 78

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249-55, Sep 78

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329-62, Aug 78 (132 ref.)

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348-53, Sep 78

Steroidogenic cellular sites in the cat ovary: a histochemical study. Saidapur SK. **Gen Comp Endocrinol** 35(4):475-80, Aug 78

The uptake and redistribution of 241pu within the gonads. Priest ND, et al. **Int J Radiat Biol** 34(1):49-65, Jul 78

Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. Andersen JM, et al. **J Biol Chem** 253(24):9024–32, 25 Dec 78

Genetic analysis of vitellogenesis in Drosophila melanogaster: the identification of a temperature-sensitive mutation affecting one of the yolk proteins. Bownes M, et al. **J Embryol Exp Morphol** 47:111–20, Oct 78

11,12-Secoprostaglandins. 5. 8-Acetyl- or 8-(1-hydroxyethyl)-12-hydroxy-13-aryloxytridecanoic acids and sulfonamide isosteres as inhibitors of platelet aggregation. Bicking JB, et al. **J Med Chem** 21(10):1011–8, Oct 78

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11-12):1517–22, Nov-Dec 75

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Measurement of FSH in the ovarian tissue by radioimmunoassay: correlation to serum FSH levels and follicular development in the hamster. Sheela Rani CS, et al. **Mol Cell Endocrinol** 11(3):293–307, Sep 78

Role of prostaglandin F2alpha in modulation of LH-stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

An autoradiographic study of vitellogenesis in the squid, Loligo pealei. Selman K, et al. **Tissue Cell** 10(3):599–608, 1978

[Reciprocal relationship between bones, hematopoiesis and kidney with reference to sex hormoses. 2. Endocrine osteopathy and sex hormones] Schulz W. **Fortschr Med** 96(46):2329–35, 7 Dec 78 (Eng. Abstr.) **(Ger)**

[Role of hormonal receptors in mammary gland carcinogenesis and estimation of its sensitivity to hormones] Szukalski B. **Endokrynol Pol** 29(6):441–58, Nov-Dec 78 **(Pol)**

MICROBIOLOGY

[Transovarian passage of Dugbe virus in the tick Amblyomma variegatum (Fabricius)] Huard M, et al. **Bull Soc Pathol Exot Filiales** 71(1):19–22, Jan-Feb 78 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Pathology of mucinous ovarian cystadenomas. I. Argyrophil and argentaffin cells and epithelial mucosubstances. Klemi PJ. **Acta Pathol Microbiol Scand [A]** 86A(6):465–70, Nov 78

Massive ovarian edema: a nonneoplastic pelvic mass of young women. Kanbour AI, et al. **Arch Pathol Lab Med** 103(1):42–5, Jan 79

Sequential observations on the gonads and oestrous behaviour of a hermaphrodite gilt. Paterson AM, et al. **Aust Vet J** 54(8):398–9, Aug 78

Urinary oestrogen and pregnanediol excretion, endometrial and ovarian pathology and body weight in women with postmenopausal bleeding. Reti LL, et al. **Br J Obstet Gynaecol** 85(11):857–61, Nov 78

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347–54, Aug 78

The effects of ingested petroleum on oviposition and some aspects of reproduction in experimental colonies of mallard ducks (Anas platyrhynchos). Holmes WN, et al. **J Reprod Fertil** 54(2):335–47, Nov 78

[Laparascopy and ovarian biopsy as ovarian function studies in primary and secondary amenorrhea] Scarpa F, et al. **Minerva Ginecol** 30(10):871–80, Oct 78 (Eng. Abstr.) **(Ita)**

[Tumor of dysgenetic gonads in females with Y chromosome] Boczkowski K. **Postepy Hig Med Dosw** 32(3):381–90, May-Jun 78 **(Pol)**

[Ovarian morphology during experimental blastomogenesis in the cerebellum] Faustov LA. **Zh Nevropatol Psikhiatr** 78(12):1784–7, 1978 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Progesterone induction of messenger RNA and protein synthesis in rabbit uterus. Bullock DW. **Ann NY Acad Sci** 286:260–72, 11 Mar 77

Regulation of estrogen receptor replenishment by progesterone. Clark JH, et al. **Ann NY Acad Sci** 286:161–79, 11 Mar 77

Factors that influence steroid induction of endometrial glycogenesis in organ culture. Demers LM, et al. **Ann NY Acad Sci** 286:249–59, 11 Mar 77

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

Reproductive tract fluid proteins and their hormonal control. Feigelson M, et al. **Ann NY Acad Sci** 286:273–86, 11 Mar 77 (44 ref.)

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77

Ovarian-dependent development of a stimulatory effect of 5alpha-dihydrotestosterone on serum follicle stimulating hormone in the ovariectomized rat. Campbell GT, et al. **Biol Reprod** 19(3):612–9, Oct 78

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

The role of FSH in the selection of large ovarian follicles in the rat. Hirshfield AN, et al. **Biol Reprod** 19(3):606–11, Oct 78

Influence of ovarian hormones on prolactin release in the rhesus monkey. Milmore JE. **Biol Reprod** 19(3):593–6, Oct 78

Unilateral oviductal and uterine reactions in the little bulldog bat, Noctilio albiventris. Rasweiler JJ 4th. **Biol Reprod** 19(3):467–92, Oct 78

Variations in 'functional' blood flow as related to corpus luteum activity in cyclic guinea pigs. Wehrenberg WB, et al. **Biol Reprod** 19(2):380–4, Sep 78

Morphology of the barren-ground caribou ovary. Dauphiné TC Jr. **Can J Zool** 56(8):1684–96, Aug 78

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698–710, Dec 78 (47 ref.)

Production of specific-protein secretion granules by fat body cells of the blowfly, Calliphora erythrocephala. Substitution of an ovarian key factor by beta-ecdysone. Thomsen E, et al. **Cell Tissue Res** 193(1):25–33, 6 Oct 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

Role of the immune system in regulation of ovarian function-hypothesis. Bukovsky A, et al. **Czech Med** 1(4):229–37, 1978

Differential accumulation and localization of maternal poly(A)-containing RNA during early development of the ascidian, Styela. Jeffery WR, et al. **Dev Biol** 67(1):152–66, Nov 78

Nonvitellogenic female sterile mutants and the regulation of vitellogenesis in Drosophila melanogaster. Postlethwait JH, et al. **Dev Biol** 67(1):202–13, Nov 78

The follicle cell epithelium of maturing ovaries of Locusta migratoria: a new biosynthetic tissue for ecdysone. Goltzené F, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1427–34, Oct 78

Ovarian and behavioral cyclicity of the laboratory maintained cat. Wildt DE, et al. **Horm Behav** 10(3):251–7, Jun 78

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365–78, 1978

Specific suppression of follicle-stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

A local signal from the gravid horn to the ovary for the onset of parturition in rats. Cavaillé F, et al. **J Reprod Fertil** 54(2):227–31, Nov 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Ovarian function in suckling and non-suckling beef cows post partum. Radford HM, et al. **J Reprod Fertil** 54(1):49–56, Sep 78

Identification, purification and immunohistochemical detection of the inhibitor from porcine ovarian follicular fluid to compensatory ovarian hypertrophy in mice. Sato E, et al. **J Reprod Fertil** 54(2):263–7, Nov 78

Lactate dehydrogenase in normal mammary glands and in 7,12-dimethylbenz[a]anthracene-induced mammary tumors in Sprague-Dawley rats. Lee C, et al. **JNCI** 62(1):193–9, Jan 79

Effect of gonadectomy and sex hormone treatment on

pantothenic acid content in the liver of the rats. Saad SF, et al. **Mater Med Pol** 10(3):188–90, Jul–Sep 78

Apomorphine–induced inhibition of episodic LH release in ovariectomized rats with complete hypothalamic deafferentation. Arendash GW, et al. **Proc Soc Exp Biol Med** 159(1):121–5, Oct 78

Prolactin receptors in mouse liver: species differences in response to estrogenic stimulation. Marshall S, et al. **Proc Soc Exp Biol Med** 159(2):256–9, Nov 78

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra–luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539–45, Nov 78

[Effect of bass–frequency vibration on ovarian morphology and function] Kalashnikova NA, et al. **Akush Ginekol (Mosk)** (10):25–9, 1978 (Eng. Abstr.) **(Rus)**

[Current trends in the treatment of the climacteric syndrome] Vikhliaeva EM. **Akush Ginekol (Mosk)** (10):63–7, 1978 (0 ref.) **(Rus)**

[Morphofunctional changes of the ovary after hormonal contraception] Portuondo JA, et al. **Acta Ginecol (Madr)** 33(3):39–47, 1 Sep 78 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)

Diagnostic approach to ovarian dysfunction. Lehmann F. **Horm Res** 9(6):319–38, 1978

[Disorders in the regulation of the hypothalamic–pituitary–gonadal axis in anorexia nervosa] Baranowska B, et al. **Endokrynol Pol** 29(6):475–84, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

[Modern views on climacterium in women] Wolny HL, et al. **Wiad Lek** 31(19):1369–74, 1 Oct 78 (59 ref.) (Eng. Abstr.) **(Pol)**

[Treatment of severe forms of pathological climacteric] Anisimova MI, et al. **Akush Ginekol (Mosk)** (10):60–1, 1978 **(Rus)**

[X–ray picture of the sella turcica and skull in the climacteric syndrome] Verulashvili IV, et al. **Akush Ginekol (Mosk)** (10):58–60, 1978 **(Rus)**

[Climacteric cardiopathy] Kretova NE. **Klin Med (Mosk)** 56(10):40–4, Oct 78 (Eng. Abstr.) **(Rus)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Cushing's syndrome] Vasiukova EA, et al. **Ter Arkh** 50(11):131–7, 1978 (45 ref.) **(Rus)**

[Effect of various plans of therapy of dysfunctional uterine hemorrhages on the state of the hypophysis and ovaries in women of reproductive age] Krepkaia VK. **Pediatr Akush Ginekol** (5):47–9, Sep–Oct 78 **(Ukr)**

RADIATION EFFECTS

[Radiation exposure of the ovaries in case of irradiation of the para–aortal, iliac, and inguinal lymph nodes with telecobalt and with photons of an energy of 42 MeV (author's transl)] Scherholz KP, et al. **Strahlentherapie** 154(12):844–51, Dec 78 (Eng. Abstr.) **(Ger)**

SECRETION

Effect of luteinizing hormone on ovarian release of steroids: ovarian vein–sampling technique in conscious gilt. Eiler H. **Am J Vet Res** 39(10):1695–8, Oct 78

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283–8, Sep 78

Specific suppression of follicle–stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. **J Reprod Fertil** 54(1):153–7, Sep 78

[12 cases of polycystic ovary type 1 (Stein–Leventhal syndrome): complete hormonal study (author's transl)] Mauvais–Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

SURGERY

The possible mode of action of prostaglandins: XIV. Evidence of an involvement of progesterone in the initiation of prostaglandin F2a–induced premature labor in rats. Basu R, et al. **Contraception** 18(3):225–31, Sep 78

Conservative surgery of ovarian endometriosis in infertility. Brosens I, et al. **Eur J Obstet Gynaecol Reprod Biol** 8(5):277–9, Oct 78

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Bilateral granulosa cell tumors of the ovaries in infancy. Hollenbeck JI, et al. **J Pediatr Surg** 13(6):542–3, Oct 78

A technique for vaginal oophorectomy. Nichols DH. **Surg Gynecol Obstet** 147(5):765, Nov 78

TRANSPLANTATION

Nonvitellogenic female sterile mutants and the regulation of vitellogenesis in Drosophila melanogaster. Postlethwait JH, et al. **Dev Biol** 67(1):202–13, Nov 78

Effects of the aromatization inhibitor androst–4–ene–3,6,17–trione on sexual differentiation induced by testosterone in the neonatally castrated rat. Booth JE. **J Endocrinol** 79(1):69–76, Oct 78

Specific suppression of follicle–stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. **J Reprod Fertil** 54(1):153–7, Sep 78

ULTRASTRUCTURE

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

Pathology of mucinous ovarian cystadenomas. 2. Ultrastructural findings. Klemi PJ, et al. **Acta Pathol Microbiol Scand [A]** 86A(6):471–81, Nov 78

Quantitative analysis of RNA, glycogen and nucleotides from different developmental stages of Ascaris lumbricoides (var. suum). Kuhn O, et al. **Biochim Biophys Acta** 521(1):251–66, 21 Nov 78

Development of the calyx and lateral oviduct during oogenesis in Aedes aegypti. Lehane MJ, et al. **Cell Tissue Res** 193(1):125–37, 6 Oct 78

Ultrastructural observations on the oogenesis of Triops cancriformis (Crustacea, Notostraca). Trentini M, et al. **Cell Tissue Res** 194(1):71–7, 9 Nov 78

Studies on the nurse cells and oogenesis in the sea urchin ovary. II. Morphology of the nurse cell (TEM and SEM observations). Tominaga A, et al. **Med J Osaka Univ** 28(3–4):183–203, Mar 78

An autoradiographic study of vitellogenesis in the squid, Loligo pealei. Selman K, et al. **Tissue Cell** 10(3):599–608, 1978

THECA CELLS

CYTOLOGY

Studies on the oogonial cycle in Puntius ticto (Ham.) III. Formation of degenerated follicles. Kapoor CP. **Z Mikrosk Anat Forsch** 91(4):787–93, 1977

DRUG EFFECTS

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

GROWTH & DEVELOPMENT

Gonadotrophins and ovarian–follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

METABOLISM

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

ULTRASTRUCTURE

Ultrastructural changes in the theca interna during follicular atresia in sheep. O'Shea JD, et al. **J Reprod Fertil** 54(1):183–7, Sep 78

Testis

LEYDIG CELLS

[Multi-organ specific autoimmunity in idiopathic adrenal insufficiency: autosensitization to steroid hormone-producing cells and antigens of the anterior pituitary gland (author's transl)] Ludwig H, et al. **Wien Klin Wochenschr** 90(20):736-41, 27 Oct 78 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431-8, Sep 78

Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Seböková E, et al. **Endocrinol Exp (Bratisl)** 12(3):147-56, Sep 78

Hormonal activation of protein kinase in isolated Leydig cells. Electrophoretic analysis of cyclic AMP receptors. Podesta EJ, et al. **J Biol Chem** 253(24):8994-9001, 25 Dec 78

[Development of a gonadotropin bioassay system using isolated Leydig cells] Shimizu S, et al. **Horumon To Rinsho** 26(11):1136-43, Nov 78 **(Jpn)**

ENZYMOLOGY

Glucose-6-phosphate dehydrogenase activity in somatic and germinal cells of the mouse testis. Jones JT, et al. **J Reprod Fertil** 54(2):357-62, Nov 78

METABOLISM

Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Seböková E, et al. **Endocrinol Exp (Bratisl)** 12(3):147-56, Sep 78

Hormonal activation of protein kinase in isolated Leydig cells. Electrophoretic analysis of cyclic AMP receptors. Podesta EJ, et al. **J Biol Chem** 253(24):8994-9001, 25 Dec 78

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029-34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Quantitation of Leydig cells in testicular biopsies of oligospermic men with varicocele. Weiss DB, et al. **Fertil Steril** 30(3):305-12, Sep 78

PHYSIOLOGY

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez-Rigau LJ, et al. **Fertil Steril** 30(5):577-85, Nov 78

PHYSIOPATHOLOGY

[Sex hormones and general diseases; andrologic aspects] Hornstein OP. **Fortschr Med** 96(40):2035-43, 26 Oct 78 **(Ger)**

ULTRASTRUCTURE

The testicular morphology of individuals exposed to dibromochloropropane. Biava CG, et al. **Exp Mol Pathol** 29(3):448-58, Dec 78

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16-31, 1978

Stereological analysis of Reinke's crystals in human Leydig cells. Mori H, et al. **Virchows Arch [Pathol Anat]** 380(1):1-9, 18 Oct 78

SERTOLI CELLS

CYTOLOGY

A successful human Sertoli cell culture technique. Lipshultz LI, et al. **Surg Forum** 28:579-80, 1977

DRUG EFFECTS

Changes in cyclic AMP responses to FSH in isolated rat Sertoli cells during sexual maturation. Steinberger A, et al. **Biol Reprod** 19(3):566-72, Oct 78

ENZYMOLOGY

Glucose-6-phosphate dehydrogenase activity in somatic and germinal cells of the mouse testis. Jones JT, et al. **J Reprod Fertil** 54(2):357-62, Nov 78

METABOLISM

Isolated Sertoli cells from immature rats produce 20alpha-hydroxy-pregn-4-en-3-one from progesterone and 3beta,20alpha-dihydroxy-5alpha-pregnane from pregnenolone. Wiebe JP. **Biochem Biophys Res Commun** 84(4):1003-8, 30 Oct 78

Changes in cyclic AMP responses to FSH in isolated rat Sertoli cells during sexual maturation. Steinberger A, et al. **Biol Reprod** 19(3):566-72, Oct 78

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59-84, 1977

PATHOLOGY

Quantitative analysis of the seminiferous epithelium in human testicular biopsies, and the relation of spermatogenesis to sperm density. Zukerman Z, et al. **Fertil Steril** 30(4):448-55, Oct 78

[Sertoli cell syndrome in men with aspermia and azoospermia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):332-9, 1978 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

A successful human Sertoli cell culture technique. Lipshultz LI, et al. **Surg Forum** 28:579-80, 1977

[The effect of the kallikrein-kinin system on spermatogenesis] Rohen JW. **Fortschr Androl** 6:16-25, 1978 **(Ger)**

ULTRASTRUCTURE

Spermatophagy in the seminiferous tubules and excurrent ducts of the testis in Rhesus monkey and in man. Holstein AF. **Andrologia** 10(5):331-52, Sep-Oct 78

The testicular morphology of individuals exposed to dibromochloropropane. Biava CG, et al. **Exp Mol Pathol** 29(3):448-58, Dec 78

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16-31, 1978

Observations on the nucleolar staining by ethanolic phosphotungstic acid. Colman OD, et al. **Microsc Acta** 81(1):27-30, Sep 78

[The effect of the kallikrein-kinin system on spermatogenesis] Rohen JW. **Fortschr Androl** 6:16-25, 1978 **(Ger)**

[Miltinuclear spermatides observed in varicocele] Vydra G. **Morphol Igazsagugyi Orv Sz** 18(3):161-5, Jul 78 (Eng. Abstr.) **(Hun)**

TESTIS

Changes in cyclic AMP responses to FSH in isolated rat Sertoli cells during sexual maturation. Steinberger A, et al. **Biol Reprod** 19(3):566-72, Oct 78

Specific inhibition of cell proliferation in the mouse intestine by an aqueous extract of rabbit colon. Sassier P, et al. **Cell Tissue Kinet** 11(6):641-50, Nov 78

Studies of the injection of poly(A)+ protamine mRNA into Xenopus laevis oocytes. Gedamu L, et al. **Exp Cell Res** 117(2):325-34, Dec 78

Histone H3 thiol reactivity as a probe of nucleosome structure. Wong NT, et al. **J Biol Chem** 253(22):8263-8, 25 Nov 78

Testicular and epididymal sperm reserves of crossbred European boars raised and maintained in the humid tropics. Egbunike GN, et al. **J Reprod Fertil** 54(2):245-8, Nov 78

The fertilizing capacity of ram testicular spermatozoa, freshly collected and after storage in cauda epididymal fluid. Voglmayr JK, et al. **Theriogenology** 10(4):313–21, Oct 78

ABNORMALITIES

Torsion of the mesorchium--the testis twisted upon the epididymis. Oka M, et al. **Br J Urol** 50(6):428, Oct 78

Angiography of the testicular artery as a diagnostic aid in boys with nonpalpable testis. Domellöf L, et al. **J Pediatr Surg** 13(6):534–6, Oct 78

Polyorchidism with normal spermatogenesis and equal sized testes: a theory of embryological development. Nocks BN. **J Urol** 120(5):638–40, Nov 78

Marker X chromosomes, mental retardation and macro-orchidism [letter] Turner G, et al. **N Engl J Med** 299(26):1472, 28 Dec 78

Nursing care study. Orchidopexy for bilateral ectopic testes: ensuring a five-year-old's future. Wales R. **Nurs Mirror** 147(20):36–8, 16 Nov 78

[Sertoli cell syndrome in men with aspermia and azoospermia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):332–9, 1978 (Eng. Abstr.) **(Bul)**

[Diagnostic possibilities of a biopsy study in men with testicular hypoplasia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):343–8, 1978 (Eng. Abstr.) **(Bul)**

[A case of prune belly syndrome or agenesis of the abdominal muscles] Tripodi V, et al. **Arch Ostet Ginecol** 81(4–6):153–61, Jul–Dec 76 **(Ita)**

[Case of anorchism] Medraś M, et al. **Pol Tyg Lek** 33(43):1693–4, 23 Oct 78 (Eng. Abstr.) **(Pol)**

ANALYSIS

Phospholipid analysis in testis–epididymis complex after alpha-chlorohydrin administration. Kalla NR, et al. **Contraception** 17(6):523–30, Jun 78

Basic nuclear proteins in testicular cells and ejaculated spermatozoa in man. Tanphaichitr N, et al. **Exp Cell Res** 117(2):347–56, Dec 78

Evidence of a uteroglobin-like protein in epithelial cells of reproductive and non-reproductive tissues of the rabbit. Noske IG, et al. **J Reprod Fertil** 54(1):193–6, Sep 78

[Relaxin, a male hormone? Immunocytological localization of a related antigen in the testis and the epididymis of an adult mammal (proceedings) (author's transl)] Dubois MP, et al. **Ann Endocrinol (Paris)** 39(3):239–40, 1978 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Testicular growth and functional capability after 4–24 weeks of continuous exposure to 11 ATA He-O2. Zogg CA, et al. **Aviat Space Environ Med** 49(11):1337–41, Nov 78

Quantitation of Leydig cells in testicular biopsies of oligospermic men with varicocele. Weiss DB, et al. **Fertil Steril** 30(3):305–12, Sep 78

The anatomy of the reproductive system in male Dutch rabbits (Oryctolagus cuniculus) with special emphasis on the accessory sex glands. Holtz W, et al. **J Morphol** 158(1):1–20, Oct 78

Testicular and epididymal sperm reserves of crossbred European boars raised and maintained in the humid tropics. Egbunike GN, et al. **J Reprod Fertil** 54(2):245–8, Nov 78

Effects of short photoperiods on puberty, growth and moult in the Djungarian hamster (Phodopus sungorus). Hoffmann K. **J Reprod Fertil** 54(1):29–35, Sep 78

The effect of vasectomy on the testes of inbred Lewis rats. Neaves WB. **J Reprod Fertil** 54(2):405–11, Nov 78

[Plagioporus novellus n.sp. (Trematoda, Opecoelidae) parasite of Conger conger (Teleostei) (author's transl)] Maillard C, et al. **Ann Parasitol Hum Comp** 53(4):367–71, Jul–Aug 78 (Eng. Abstr.) **(Fre)**

[Torsion of the appendix testis] Wold J, et al. **Tidsskr Nor Laegeforen** 98(33):1693–4, 30 Nov 78 (Eng. Abstr.) **(Nor)**

[Unilateral cryptorchism in white rats] Zarzycki J. **Endokrynol Pol** 29(5):421–5, Sep–Oct 78 **(Pol)**

[Structure of the follicular epithelium of the gonads Neva lamprey Lampetra fluviatilis (classification of the follicular epithelia of vertebrates)] Gabaeva NS, et al. **Arkh Anat Gistol Embriol** 75(10):54–62, Oct 78 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Extra testicular factors in male infertility. Comhaire F. **Acta Clin Belg** 33(3):181–8, 1978

Validity of the pre-operatory trans-scrotal venography of the internal spermatic vein in the presence of idiopathic varicocele. D'Ottavio G, et al. **Acta Eur Fertil** 9(2):105–20, Jun 78

Age-associated changes in microvasculature of human adult testis. Takizawa T, et al. **Acta Pathol Jpn** 28(4):541–54, Jul 78

Angiography of the testicular artery as a diagnostic aid in boys with nonpalpable testis. Domellöf L, et al. **J Pediatr Surg** 13(6):534–6, Oct 78

Selective testicular venography for localization of nonpalpable testis. Freeny PC, et al. **Urology** 12(5):617–8, Nov 78

[Radiological anatomy of the spermatic veins. Report of 152 retrograde spermatic phlebographies (author's transl)] Chatel A, et al. **J Chir (Paris)** 115(8–9):443–50, Aug–Sep 78 (Eng. Abstr.) **(Fre)**

[Phlebography of the testicular veins for varicoceles and their recurrences (author's transl)] Janson R, et al. **ROEFO** 129(4):485–90, Oct 78 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Spermatophagy in the seminiferous tubules and excurrent ducts of the testis in Rhesus monkey and in man. Holstein AF. **Andrologia** 10(5):331–52, Sep–Oct 78

Testicular and epididymal sperm numbers and related parameters in the developing awassi ram. Abdou MS, et al. **Aust J Biol Sci** 31(3):257–66, Jun 78

Morphogenesis of the genital system in the human. Jirásek JE. **Birth Defects** 13(2):13–39, 1977 (42 ref.)

A simple and rapid technique to isolate enriched populations of spermatocytes and spermatids from the immature rat testis. Alemán V, et al. **J Reprod Fertil** 54(1):67–75, Sep 78

Seasonal variation in the histology of the testis of the red deer, Cervus elaphus. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 54(2):209–13, Nov 78

Daily sperm production and epididymal sperm reserves of pubertal and adult rats. Robb GW, et al. **J Reprod Fertil** 54(1):103–7, Sep 78

Exponential decrease during aging and random lifetime of mouse spermatogonial stem cells. Suzuki N, et al. **Science** 202(4373):1214–5, 15 Dec 78

Prostaglandin inhibition of testosterone production induced by luteinizing hormone, dibutyryl cyclic AMP or 3-isobutyl-1-methyl xanthine in dispersed rat testicular interstitial cells. Grotjan HE Jr, et al. **Steroids** 32(3):307–22, Oct 78

[Calibrated cellules: aids in the histological diagnosis (author's transl)] Härringer M. **Mikroskopie** 34(3–4):71–5, Aug 78 (Eng. Abstr.) **(Ger)**

[Klinefelter's syndrome as cause for excluding paternity] Gyula K, et al. **Morphol Igazsagugyi Orv Sz** 18(4):288–90, Oct 78 (Eng. Abstr.) **(Hun)**

[Determination of the period of sex cell sensitivity of the chick embryo to the action of estradiol benzoate] Lukina NA. **Tsitologiia** 20(8):903–9, Aug 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of FSH and LH administration on the testes and seminal vesicles. Bentley MJ, et al. **Andrologia** 10(5):357–61, Sep–Oct 78

Histochemical changes of the rat testis and epididymis after treatment of alpha-chlorohydrin-effects of a single low dose. Guraya SS, et al. **Andrologia** 10(4):278–84, Jul–Aug 78

Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Gallo AB, et al. **Biol Reprod** 19(3):680–7, Oct 78

Fertility of rams chronically treated with gonadotropin releasing hormone during the nonbreeding season. Schanbacher BD. **Biol Reprod** 19(3):661–5, Oct 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431–8, Sep 78

Treatment of childhood cancer: effects on gonads [letter] Shalet SM, et al. **Br Med J** 2(6147):1295–6, 4 Nov 78

The effect of fenitrothion on reproduction of a teleost fish, Cyprinus carpio communis Linn: a biochemical study. Kapur K, et al. **Bull Environ Contam Toxicol** 20(4):438–42, Oct 78

The effect of heroin addiction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

The testicular morphology of individuals exposed to dibromochloropropane. Biava CG, et al. **Exp Mol Pathol** 29(3):448–58, Dec 78

Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Tcholakian RK, et al.

Fertil Steril 30(5):600–3, Nov 78

Effect of prolactin on testis of the domestic pigeon Columba livia (Gmelin). Bhujle BV, et al. **Indian J Exp Biol** 16(8):890–2, Aug 78

Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. Andersen JM, et al. **J Biol Chem** 253(24):9024–32, 25 Dec 78

Partial alleviation of the antitesticular effect of pipecolinomethylhydroxyindane by zinc in rats. Fang VS, et al. **J Endocrinol** 79(1):151–2, Oct 78

Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side-chain cleavage enzyme. Takatori T, et al. **J Endocrinol** 79(1):41–8, Oct 78

Testicular atrophy and impaired spermatogenesis in rats fed high levels of the methylxanthines caffeine, theobromine, or theophylline. Weinberger MA, et al. **J Environ Pathol Toxicol** 1(5):669–88, May–Jun 78

Age-related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. Davis JR, et al. **J Reprod Fertil** 54(2):269–74, Nov 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Reduction in FSH receptors in the rat testis by injection of homologous hormone. O'Shaughnessy PJ, et al. **Mol Cell Endocrinol** 12(1):9–15, Oct 78

Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Schreiber V, et al. **Physiol Bohemoslov** 27(6):505–13, 1978

Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen-binding protein in rat testes. Bulger WH, et al. **Steroids** 32(2):165–77, Sep 78

Prostaglandin inhibition of testosterone production induced by luteinizing hormone, dibutyryl cyclic AMP or 3-isobutyl-1-methyl xanthine in dispersed rat testicular interstitial cells. Grotjan HE Jr, et al. **Steroids** 32(3):307–22, Oct 78

The relationship of metallothionein to the toxicity of cadmium after prolonged oral administration to rats. Kotsonis FN, et al. **Toxicol Appl Pharmacol** 46(1):39–54, Oct 78

[Andrologic study in immunosuppressive treatment of chronic aggressive hepatitis] Lange D, et al. **Andrologia** 10(5):373–9, Sep–Oct 78 (Eng. Abstr.) **(Ger)**

[The effect of the kallikrein–kinin system on spermatogenesis] Rohen JW. **Fortschr Androl** 6:16–25, 1978 **(Ger)**

[FSH, LH and prolactin in the ejaculate following i.v. injection of LH-RH and TRH] Krause W. **Z Hautkr** 53(23):893–5, 1 Dec 78 **(Ger)**

[Determination of the period of sex cell sensitivity of the chick embryo to the action of estradiol benzoate] Lukina NA. **Tsitologiia** 20(8):903–9, Aug 78 (Eng. Abstr.) **(Rus)**

[Morphofunctional study of the testes of white rats after the prolonged inclusion in the ration of thermally oxidized fats] Krivenkova EM, et al. **Vopr Pitan** (6):59–64, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78

Identical action of Y chromosome and sxr factor in early testicular development in the mouse. Spoljar M, et al. **Anat Embryol (Berl)** 155(1):115–26, 5 Dec 78

Morphogenesis of the genital system in the human. Jirásek JE. **Birth Defects** 13(2):13–39, 1977 (42 ref.)

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59–84, 1977

Hormones in the morphogenesis of the genital system. Jost A, et al. **Birth Defects** 13(2):85–97, 1977

Testicular descent. Rajfer J, et al. **Birth Defects** 13(2):107–22, 1977 (52 ref.)

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Occurrence of nuage in fetal human germ cells. Kellokumpu-Lehtinen PL, et al. **Cell Tissue Res** 194(1):171–7, 9 Nov 78

[Torsion of the appendix testis] Wold J, et al. **Tidsskr Nor Laegeforen** 98(33):1693–4, 30 Nov 78 (Eng. Abstr.) **(Nor)**

[Morphological basis for the causes of cryptorchism] Brindak OI, et al. **Urol Nefrol (Mosk)** (6):40–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Histochemical changes of the rat testis and epididymis after treatment of alpha-chlorohydrin-effects of a single low dose. Guraya SS, et al. **Andrologia** 10(4):278–84, Jul–Aug 78

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

Properties of particulate and detergent-solubilized adenylate cyclase of rat testis. Effects of follitropin stimulation. Abou-Issa H, et al. **Biochim Biophys Acta** 526(2):613–25, 12 Oct 78

Studies on the biosynthesis of cyclitols, XXXVII. On mechanism and function of Schiff's base formation as an intermediary reaction step of myo-inositol-1-phosphate synthase from rat testicles. Pittner F, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1395–400, Oct 78

Temporal relations in phosphohydrolases of mouse testes. Gupta GS. **Indian J Biochem Biophys** 15(1):82–3, Feb 78

Techniques for detecting enzymes in high-performance liquid chromatography. Schlabach TD, et al. **J Chromatogr** 158:347–64, 1 Oct 78

Genetic variation, cellular distribution and ontogeny of sorbitol dehydrogenase and alcohol dehydrogenase isozymes in male reproductive tissues of the mouse. Holmes RS, et al. **J Exp Zool** 206(2):279–88, Nov 78

Lactate-dehydrogenase activity in the rat testis: a comparison between fluorometric assay of freeze-dried sections and histochemical localization with phenazine methosulphate. Heywood L, et al. **J Histochem Cytochem** 26(11):967–72, Nov 78

Glucose-6-phosphate dehydrogenase activity in somatic and germinal cells of the mouse testis. Jones JT, et al. **J Reprod Fertil** 54(2):357–62, Nov 78

A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). Tähkä KM. **J Reprod Fertil** 54(1):57–66, Sep 78

Estrogen 2-hydroxylase: activity in rat tissues. Barbieri RL, et al. **Steroids** 32(4):529–38, Nov 78

Stimulatory effect of soluble supernatant on hydroxylase activity of rat testis microsomes. Betz G, et al. **Steroids** 32(3):389–97, Oct 78

Canine testicular 17beta-hydroxysteroid oxidoreductase activity. I. Substrate specificity. Pittaway DE. **Steroids** 32(2):157–63, Sep 78

[Ultrastructural localization of 3-beta-hydroxysteroid dehydrogenase activity in the glandular tissue cells of the testis of Pleurodeles waltlii Michach. (Amphibia, Urodela)] Berchtold JP, et al. **C R Acad Sci [D] (Paris)** 287(5):511–3, 18 Sep 78 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Effect of testosterone on development of the lumen in seminiferous tubules of the rat. Bressler RS, et al. **Andrologia** 10(4):291–8, Jul–Aug 78

Testicular and epididymal sperm numbers and related parameters in the developing awassi ram. Abdou MS, et al. **Aust J Biol Sci** 31(3):257–66, Jun 78

Testicular growth and functional capability after 4–24 weeks of continuous exposure to 11 ATA He-O2. Zogg CA, et al. **Aviat Space Environ Med** 49(11):1337–41, Nov 78

Effects of short photoperiods on puberty, growth and moult in the Djungarian hamster (Phodopus sungorus). Hoffmann K. **J Reprod Fertil** 54(1):29–35, Sep 78

A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). Tähkä KM. **J Reprod Fertil** 54(1):57–66, Sep 78

Effect of bilateral cryptorchidism on the in vitro transformation of progesterone by testicular tissue at different stages of sexual maturation. Rager K, et al. **J Steroid Biochem** 6(11–12):1537–41, Nov–Dec 75

IMMUNOLOGY

Immunological studies of testicular tissue in oligozoospermic and azoospermic patients. Taylor TA, et al. **Br J Urol** 50(6):419–22, Oct 78

Antibodies to spermatozoa in male monkeys: mode of action. Alexander NJ, et al. **Fertil Steril** 30(3):334–42, Sep 78

[Hypothalamo-hypophyseal neurosecretory system reaction to exposure to reactivating doses of testicular antiserum] Zelenskaia TM. **Fiziol Zh** 24(6):813–20, Nov–Dec 78 **(Rus)**

METABOLISM

Developmental patterns of plasma and testicular testosterone in mice from birth to adulthood. Jean-Faucher C, et al. **Acta Endocrinol (Copenh)** 89(4):780–8, Dec 78

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78

Histochemical changes of the rat testis and epididymis after treatment of alpha-chlorohydrin-effects of a single low dose. Guraya SS, et al. **Andrologia** 10(4):278–84, Jul–Aug 78

Binding of hedamycin to deoxyribonucleic acid and chromatin of testis and liver. Jernigan HM Jr, et al. **Biochemistry** 17(20):4232–9, 3 Oct 78

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600–3, Nov 78

Testicular steroid biosynthesis by the green lizard Lacerta viridis. Hews EA, et al. **Gen Comp Endocrinol** 35(4):432–5, Aug 78

Experimental approach to the study of semen and male reproductive function. Mann T. **Int J Fertil** 23(2):133–7, 1978

The uptake and redistribution of 241pu within the gonads. Priest ND, et al. **Int J Radiat Biol** 34(1):49–65, Jul 78

The effects of vasectomy on the movement of 14C-urea in the seminiferous tubule of the hamster. Turner TT, et al. **Invest Urol** 16(3):237–9, Nov 78

Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. Andersen JM, et al. **J Biol Chem** 253(24):9024–32, 25 Dec 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side-chain cleavage enzyme. Takatori T, et al. **J Endocrinol** 79(1):41–8, Oct 78

Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. Collins PM, et al. **J Reprod Fertil** 54(2):285–91, Nov 78

Seasonal variation in the histology of the testis of the red deer, Cervus elaphus. Hochereau-de Reviers MT, et al. **J Reprod Fertil** 54(2):209–13, Nov 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Effect of bilateral cryptorchidism on the in vitro transformation of progesterone by testicular tissue at different stages of sexual maturation. Rager K, et al. **J Steroid Biochem** 6(11–12):1537–41, Nov–Dec 75

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Androgens in testes and adrenal glands of the fetal pig. Segal DH, et al. **J Steroid Biochem** 6(10):1439–44, Oct 75

Retinoic acid-binding protein in human breast cancer and dysplasia. Huber PR, et al. **JNCI** 61(6):1375–8, Dec 78

Effect of phthalate esters on serum cholesterol and lipid biosynthesis in liver, testes, and epididymal fat inthe rat and rabbit. Bell FP, et al. **Lipids** 13(10):673–8, Oct 78

Reduction in FSH receptors in the rat testis by injection of homologous hormone. O'Shaughnessy PJ, et al. **Mol Cell Endocrinol** 12(1):9–15, Oct 78

Biosynthesis of labelled anti-müllerian hormone by fetal testes: evidence for the glycoprotein nature of the hormone and for its disulfide-bonded structure. Picard JY, et al. **Mol Cell Endocrinol** 12(1):17–30, Oct 78

Partial purification of transcriptionally active nucleosomes from trout testis cells. Levy B, et al. **Nucleic Acids Res** 5(11):4155–63, Nov 78

Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen-binding protein in rat testes. Bulger WH, et al. **Steroids** 32(2):165–77, Sep 78

Prostaglandin inhibition of testosterone production induced by luteinizing hormone, dibutyryl cyclic AMP or 3-isobutyl-1-methyl xanthine in dispersed rat testicular interstitial cells. Grotjan HE Jr, et al. **Steroids** 32(3):307–22, Oct 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

PATHOLOGY

Age-associated changes in microvasculature of human adult testis. Takizawa T, et al. **Acta Pathol Jpn** 28(4):541–54, Jul 78

Primary amenorrhea in an elderly woman [clinical conference] **Am J Med** 65(3):514–20, Sep 78

Identical action of Y chromosome and sxr factor in early testicular development in the mouse. Spoljar M, et al. **Anat Embryol (Berl)** 155(1):115–26, 5 Dec 78

The diagnostic and prognostic significance of the testicular biopsy. Janczewski Z, et al. **Andrologia** 10(5):393–6, Sep–Oct 78

Sequential observations on the gonads and oestrous behaviour of a hermaphrodite gilt. Paterson AM, et al. **Aust Vet J** 54(8):398–9, Aug 78

Can follicle stimulating hormone estimation replace testicular biopsy in the diagnosis of obstructive azoospermia? Hargreave TB, et al. **Br J Urol** 50(6):415–8, Oct 78

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Clinical studies with d-TRP6-luteinizing hormone-releasing hormone in men with hypogonadotropic hypogonadism. Jaramillo CJ, et al. **Fertil Steril** 30(4):430–5, Oct 78

Suppressive effect of 1,2-dibromo-3-chloropropane on human spermatogenesis. Potashnik G, et al. **Fertil Steril** 30(4):444–7, Oct 78

Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600–3, Nov 78

Quantitation of Leydig cells in testicular biopsies of oligospermic men with varicocele. Weiss DB, et al. **Fertil Steril** 30(3):305–12, Sep 78

Quantitative analysis of the seminiferous epithelium in human testicular biopsies, and the relation of spermatogenesis to sperm density. Zukerman Z, et al. **Fertil Steril** 30(4):448–55, Oct 78

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347–54, Aug 78

Testicular atrophy and impaired spermatogenesis in rats fed high levels of the methylxanthines caffeine, theobromine, or theophylline. Weinberger MA, et al. **J Environ Pathol Toxicol** 1(5):669–88, May–Jun 78

The pathology of experimental Ebola virus infection in monkeys. Baskerville A, et al. **J Pathol** 125(3):131–8, Jul 78

The effect of interruption of lymphatic drainage from the rat testis. Pérez-Clavier R, et al. **J Pathol** 124(4):219–25, Apr 78

Testicular biopsy prior to termination of leukemic therapy. Kim TH, et al. **J Pediatr** 94(1):95–6, Jan 79

X-linked hypogonadism, gynecomastia, mental retardation, short stature, and obesity--a new syndrome. Vasquez SB, et al. **J Pediatr** 94(1):56–60, Jan 79

Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. Collins PM, et al. **J Reprod Fertil** 54(2):285–91, Nov 78

Partial maintenance of testes and accessory organs in blinded hamsters by homoplastic anterior pituitary grafts or exogenous prolactin. Matthews MJ, et al. **Life Sci** 23(11):1131–7, 18 Sep 78

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

An anatomic and genetic study of canine cryptorchidism. Cox VS, et al. **Teratology** 18(2):233–40, Oct 78

Orchiopexy in prepubertal boys. Five-year survey. Evans JP, et al. **Urology** 12(5):509–13, Nov 78

Clinical aspects of granulomatous orchitis. Fauer RB, et al. **Urology** 12(4):416–9, Oct 78

The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Hayden DW, et al. **Vet Pathol** 15(5):649–62, Sep 78

[Sertoli cell syndrome in men with aspermia and azoospermia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):332–9, 1978 (Eng. Abstr.) **(Bul)**

[Diagnostic possibilities of a biopsy study in men with testicular hypoplasia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):343–8, 1978 (Eng. Abstr.) **(Bul)**

[Azoospermia caused by South American pemphigus foliaceus. Apropos of a case study] Proença NG, et al.

Rev Inst Med Trop Sao Paulo 20(5):307–11, Sep–Oct 78 (Eng. Abstr.) **(Por)**

[Morphological basis for the causes of cryptorchism] Brindak OI, et al. **Urol Nefrol (Mosk)** (6):40–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Age-associated changes in microvasculature of human adult testis. Takizawa T, et al. **Acta Pathol Jpn** 28(4):541–54, Jul 78

The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Carriere R, et al. **Anat Rec** 192(3):407–21, Nov 78

Testicular growth and functional capability after 4–24 weeks of continuous exposure to 11 ATA He–O2. Zogg CA, et al. **Aviat Space Environ Med** 49(11):1337–41, Nov 78

Ovarian-dependent development of a stimulatory effect of 5alpha-dihydrotestosterone on serum follicle stimulating hormone in the ovariectomized rat. Campbell GT, et al. **Biol Reprod** 19(3):612–9, Oct 78

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Sex determination and differentiation in mammalian germ cells. Wai-sum O, et al. **Birth Defects** 13(2):1–12, 1977 (41 ref.)

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698–710, Dec 78 (47 ref.)

Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. Collins PM, et al. **J Reprod Fertil** 54(2):285–91, Nov 78

Age-related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. Davis JR, et al. **J Reprod Fertil** 54(2):269–74, Nov 78

A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). Tähkä KM. **J Reprod Fertil** 54(1):57–66, Sep 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Galactorrhea in a man with normal testicular function. Hulugalle RS, et al. **JAMA** 240(23):2565, 1 Dec 78

Effect of gonadectomy and sex hormone treatment on pantothenic acid content in the liver of the rats. Saad SF, et al. **Mater Med Pol** 10(3):188–90, Jul–Sep 78

Treatment of excessively tall girls and boys with sex hormones. Prader A, et al. **Pediatrics** 62(6 Pt 2):1202–10, Dec 78

Kinetics of testosterone induced-cholesterol synthesis in rat ventral prostate. Singhal AK, et al. **Proc Soc Exp Biol Med** 159(1):1–5, Oct 78

Stimulatory effect of soluble supernatant on hydroxylase activity of rat testis microsomes. Betz G, et al. **Steroids** 32(3):389–97, Oct 78

PHYSIOPATHOLOGY

Sexual function and affect in parkinsonian men treated with L-dopa. Brown E, et al. **Am J Psychiatry** 135(12):1552–5, Dec 78

Pituitary-gonadal function in XYY and XXY men identified in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

The effect of heroin addiction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Effect of acute myocardial infarction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez-Rigau LJ, et al. **Fertil Steril** 30(5):577–85, Nov 78

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

The effect of interruption of lymphatic drainage from the rat testis. Pérez-Clavier R, et al. **J Pathol** 124(4):219–25, Apr 78

[Investigations on pituitary-testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[Abnormality of sex hormone and pituitary-gonadal axis in liver disease (author's transl)] Morimoto I. **Nippon Naika Gakkai Zasshi** 67(6):580–90, 10 Jun 78 **(Jpn)**

[Unilateral cryptorchism in white rats] Zarzycki J. **Endokrynol Pol** 29(5):421–5, Sep–Oct 78 **(Pol)**

[Pathogenesis of extrahepatic disorders in chronic hepatitis and liver cirrhosis and ways of their correction] Kurdybailo FV, et al. **Ter Arkh** 50(10):121–5, 1978 (25 ref.) (Eng. Abstr.) **(Rus)**

[Morphofunctional study of the testes of white rats after the prolonged inclusion in the ration of thermally oxidized fats] Krivenkova EM, et al. **Vopr Pitan** (6):59–64, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59–84, 1977

Testicular relapse in acute leukaemia [letter] Williams HJ, et al. **Lancet** 2(8100):1152, 25 Nov 78

Exponential decrease during aging and random lifetime of mouse spermatogonial stem cells. Suzuki N, et al. **Science** 202(4373):1214–5, 15 Dec 78

[Radiation dose and risk in gastrointestinal roentgendiagnostic of the child (author's transl)] Vogel H, et al. **Klin Paediatr** 190(6):560–5, Nov 78 **(Ger)**

[Spermatogenesis in dogs during chronic gamma irradiation over years and in the aftereffect period] Plakhuta-Plakutina GI. **Kosm Biol Aviakosm Med** 12(6):50–5, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

SECRETION

[Etiology of gonadal dysfunction in pituitary insufficiency--with special reference to an hCG test for the evaluation of reserve testicular secretory function] Matsuura M, et al. **Horumon To Rinsho** 26(11):1110–5, Nov 78 **(Jpn)**

SURGERY

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

The impalpable testis: a rational approach to management. Levitt SB, et al. **J Urol** 120(5):515–20, Nov 78 (81 ref.)

Nursing care study. Orchidopexy for bilateral ectopic testes: ensuring a five-year-old's future. Wales R. **Nurs Mirror** 147(20):36–8, 16 Nov 78

[Testosterone serum concentrations after subcapsular orchiectomy (author's transl)] Senge T, et al. **Urologe [A]** 17(6):382–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Therapy of testicular neoplasms] Gropp C, et al. **Z Urol Nephrol** 71(9):617–22, Sep 78 (Eng. Abstr.) **(Ger)**

[Experience and results in the treatment of cryptorchism] Romeo Ulecia M, et al. **Actas Urol Esp** 2(6):287–90, Nov–Dec 78 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

[Relationship between the dynamics of mental disorders in patients with primary hypogonadism and surgical intervention (testicular transplantation)] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 78(11):1694–701, 1978 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16–31, 1978

The effect of vasectomy on the testes of inbred Lewis rats. Neaves WB. **J Reprod Fertil** 54(2):405–11, Nov 78

Stimulatory effect of soluble supernatant on hydroxylase activity of rat testis microsomes. Betz G, et al. **Steroids** 32(3):389–97, Oct 78

[Ultrastructural localization of 3-beta-hydroxysteroid dehydrogenase activity in the glandular tissue cells of the testis of Pleurodeles waltlii Michach. (Amphibia, Urodela)] Berchtold JP, et al. **C R Acad Sci [D] (Paris)** 287(5):511–3, 18 Sep 78 (Eng. Abstr.) **(Fre)**

[Miltinuclear spermatides observed in varicocele] Vydra G. **Morphol Igazsagugyi Orv Sz** 18(3):161–5, Jul 78 (Eng. Abstr.) **(Hun)**

II. Disorders of the Gonads

ARRHENOBLASTOMA

COMPLICATIONS

[Case of a giant arrhenoblastoma of the ovary] Krakowiak R, et al. **Ginekol Pol** 49(11):1001–6, Nov 78 (Eng. Abstr.) **(Pol)**

METABOLISM

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

PATHOLOGY

Virilizing adrenal rest tumor of the ovary--a clinicomorphological study. Georgiev TN, et al. **Endokrynol Pol** 29(6):537–41, Nov–Dec 78

THERAPY

[Non-surgical treatment of peritoneal pseudomyxoma] Arbués Lacadena J. **Acta Obstet Ginecol Hisp Lusit** 26(5):269–72, May 78 **(Spa)**

CRYPTORCHISM

The impalpable testis: a rational approach to management. Levitt SB, et al. **J Urol** 120(5):515–20, Nov 78 (81 ref.)

[A case of lumbosacral myelomeningocele--infected shunt system and the treatment (author's transl)] Matsumoto K, et al. **No Shinkei Geka** 6(10):957–65, Oct 78 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

DIAGNOSIS

Angiography of the testicular artery as a diagnostic aid in boys with nonpalpable testis. Domellöf L, et al. **J Pediatr Surg** 13(6):534–6, Oct 78

The impalpable testis: a rational approach to management. Levitt SB, et al. **J Urol** 120(5):515–20, Nov 78 (81 ref.)

DRUG THERAPY

[Experience and results in the treatment of cryptorchism] Romeo Ulecia M, et al. **Actas Urol Esp** 2(6):287–90, Nov–Dec 78 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Testicular descent. Rajfer J, et al. **Birth Defects** 13(2):107–22, 1977 (52 ref.)

ETIOLOGY

[Morphological basis for the causes of cryptorchism] Brindak OI, et al. **Urol Nefrol (Mosk)** (6):40–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

An anatomic and genetic study of canine cryptorchidism. Cox VS, et al. **Teratology** 18(2):233–40, Oct 78

METABOLISM

Effect of bilateral cryptorchidism on the in vitro transformation of progesterone by testicular tissue at different stages of sexual maturation. Rager K, et al. **J Steroid Biochem** 6(11–12):1537–41, Nov–Dec 75

PATHOLOGY

[Morphological basis for the causes of cryptorchism] Brindak OI, et al. **Urol Nefrol (Mosk)** (6):40–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Unilateral cryptorchism in white rats] Zarzycki J. **Endokrynol Pol** 29(5):421–5, Sep–Oct 78 **(Pol)**

RADIOGRAPHY

Selective testicular venography for localization of nonpalpable testis. Freeny PC, et al. **Urology** 12(5):617–8, Nov 78

SURGERY

Suprapubic paramedian laparotomy for equine abdominal cryptorchidism [letter] Cox JE, et al. **J Am Vet Med Assoc** 173(6):680, 682, 15 Sep 78

The impalpable testis: a rational approach to management. Levitt SB, et al. **J Urol** 120(5):515–20, Nov 78 (81 ref.)

Orchiopexy in prepubertal boys. Five-year survey. Evans JP, et al. **Urology** 12(5):509–13, Nov 78

Torsion of undescended testis. Mowad JJ, et al. **Urology** 12(5):567–8, Nov 78

[Experience and results in the treatment of cryptorchism] Romeo Ulecia M, et al. **Actas Urol Esp** 2(6):287–90, Nov–Dec 78 (Eng. Abstr.) **(Spa)**

VETERINARY

Suprapubic paramedian laparotomy for equine abdominal cryptorchidism [letter] Cox JE, et al. **J Am Vet Med Assoc** 173(6):680, 682, 15 Sep 78

An anatomic and genetic study of canine cryptorchidism. Cox VS, et al. **Teratology** 18(2):233–40, Oct 78

DYSGERMINOMA

Gastrointestinal tract metastasis in patients with germ-cell tumor of the testis. Chait MM, et al. **Am J Dig Dis** 23(10):925–8, Oct 78

BLOOD

Serum alpha-fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Schultz H, et al. **Cancer** 42(5):2182–6, Nov 78

COMPLICATIONS

Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

[Tumor of dysgenetic gonads in females with Y chromosome] Boczkowski K. **Postepy Hig Med Dosw** 32(3):381–90, May–Jun 78 **(Pol)**

DIAGNOSIS

Misdiagnosis of testicular tumours. Hill JT. **J R Soc Med** 71(10):737–40, Oct 78

[Therapy and prognosis of testicular tumors: the seminoma, results from radiation therapy in 100 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):739–44, Nov 78 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

'Disappearing' spinal cord compression: oncolytic effect of glucocorticoids (and other chemotherapeutic agents) on

epidural metastases. Posner JB, et al. **Ann Neurol** 2(5):409–13, Nov 77

[Chemotherapy of testicular tumor] Soeda A. **Nippon Rinsho** 36(8):3065–6, Aug 78 **(Jpn)**

FAMILIAL & GENETIC

Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

Neoplastic potential of the dysgenetic gonad. Case report. Fayez JA, et al. **Mo Med** 75(11):564–6, Nov 78

[Familial occurrence of gonadal tumors in women with a 46,XY karyotype] Boczkowski K, et al. **Endokrynol Pol** 29(6):527–35, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

MORTALITY

Neurologic complications after irradiation of malignant tumors of the testis. Schiødt AV, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):369–78, 1978

OCCURRENCE

Primary testicular tumours among White, Black and Indian patients. Coovadia YM. **S Afr Med J** 54(9):351–2, 26 Aug 78

PATHOLOGY

Primary mediastinal seminoma. Polansky SM, et al. **AJR** 132(1):17–21, Jan 79

Anaplastic dysgerminoma. Gillespie JJ, et al. **Cancer** 42(4):1886–9, Oct 78

Thymic hyperplasia and neoplasia: a review of current concepts. Levine GD, et al. **Hum Pathol** 9(5):495–515, Sep 78

Neoplastic potential of the dysgenetic gonad. Case report. Fayez JA, et al. **Mo Med** 75(11):564–6, Nov 78

Abdominal mass with varicocele. **NY State J Med** 78(14):2219–22, Dec 78

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

RADIOGRAPHY

Primary mediastinal seminoma. Polansky SM, et al. **AJR** 132(1):17–21, Jan 79

Abdominal mass with varicocele. **NY State J Med** 78(14):2219–22, Dec 78

[Neuroradiological diagnosis of third and para-third ventricular tumors.—Part 2. Tumors developing within the third ventricle and tumors invading mainly the anterior portion of the third ventricle (1) (author's transl)] Ito J. **Neurol Med Chir (Tokyo)** 18(7 Pt 2):595–608, Sep 78 **(Jpn)**

RADIOTHERAPY

Neurologic complications after irradiation of malignant tumors of the testis. Schiødt AV, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):369–78, 1978

Radiation therapy for germinal tumors of the testes. Slawson RG. **Cancer** 42(5):2216–23, Nov 78

[Radiotherapeutic aspects of testicular tumours: results and problems (author's transl)] Eibach E, et al. **Dtsch Med Wochenschr** 103(50):2003–7, 15 Dec 78 (Eng. Abstr.) **(Ger)**

[Therapy and prognosis of testicular tumors: the seminoma, results from radiation therapy in 100 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):739–44, Nov 78 (Eng. Abstr.) **(Ger)**

[Therapy of testicular neoplasms] Gropp C, et al. **Z Urol Nephrol** 71(9):617–22, Sep 78 (Eng. Abstr.) **(Ger)**

[Value and problems of alpha-fetoprotein determinations in testicular neoplasms] Pirlich W, et al. **Z Urol Nephrol** 71(9):613–6, Sep 78 (Eng. Abstr.) **(Ger)**

THERAPY

[Testicular neoplasms: New endocrinologic and clinical results] Jacobi GH. **Urologe [A]** 17(6):399–401, Nov 78 **(Ger)**

GONADS

ABNORMALITIES

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59–84, 1977

GRANULOSA CELL TUMOR

PATHOLOGY

Bilateral granulosa cell tumors of the ovaries in infancy. Hollenbeck JI, et al. **J Pediatr Surg** 13(6):542–3, Oct 78

SURGERY

Bilateral granulosa cell tumors of the ovaries in infancy. Hollenbeck JI, et al. **J Pediatr Surg** 13(6):542–3, Oct 78

HERMAPHRODITISM

[The effect of the cephalic complex (eyestalks-brain) on the development of infantile and juvenile gonads of Arion subfuscus Drap. (Gasteropoda, Pulmonata) cultured in vitro] Wattez C. **Gen Comp Endocrinol** 35(4):360–74, Aug 78 (Eng. Abstr.) **(Fre)**

[Hermaphroditism in gasteropod mollusca] Gomot L. **Probl Actuels Endocrinol Nutr** (21):323–53, 1977 (50 ref.) **(Fre)**

[Physiopathology of adolescence] Zavettieri Giannettasio E. **Minerva Med** 69(45):3059–90, 29 Sep 78 **(Ita)**

DRUG THERAPY

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

ETIOLOGY

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

FAMILIAL & GENETIC

A chimaeric calf with XY/XXY mosaicism and intersexuality. Dain AR, et al. **J Reprod Fertil** 54(1):197–201, Sep 78

[Hormones of the other sex and sex behavior] Bounhiol JJ. **Probl Actuels Endocrinol Nutr** (21):247–74, 1977 (16 ref.) **(Fre)**

METABOLISM

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

PATHOLOGY

Sequential observations on the gonads and oestrous behaviour of a hermaphrodite gilt. Paterson AM, et al. **Aust Vet J** 54(8):398–9, Aug 78

RADIOGRAPHY

Pneumopelvigraphy in childhood. Lester PD, et al. **AJR** 131(4):607–12, Oct 78

SURGERY

Intersexes—surgical correction. Jones HW Jr. **Birth Defects** 13(2):137–45, 1977

VETERINARY

Sequential observations on the gonads and oestrous behaviour of a hermaphrodite gilt. Paterson AM, et al. **Aust Vet J** 54(8):398–9, Aug 78

HYPOGONADISM

[Sex hormones and general diseases; andrologic aspects] Hornstein OP. **Fortschr Med** 96(40):2035–43, 26 Oct 78 **(Ger)**

[Physiopathology of adolescence] Zavettieri Giannettasio E. **Minerva Med** 69(45):3059–90, 29 Sep 78 **(Ita)**

BLOOD

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

COMPLICATIONS

Idiopathic hemochromatosis in a young female. A case study and review of the syndrome in young people. Lamon JM, et al. **Gastroenterology** 76(1):178–83, Jan 79

Syndromes of ichthyosis and related disorders [letter] Abe K. **J Pediatr** 94(1):165–6, Jan 79

[Hypogonadotrophic hypogonadism and dysosmia] Ubachs JM, et al. **Ned Tijdschr Geneeskd** 122(49):1912–6, 9 Dec 78 (Eng. Abstr.) **(Dut)**

[Relationship between the dynamics of mental disorders in patients with primary hypogonadism and surgical intervention (testicular transplantation)] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 78(11):1694–701, 1978 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

[Diagnostic possibilities of a biopsy study in men with testicular hypoplasia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):343–8, 1978 (Eng. Abstr.) **(Bul)**

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373–86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

[Case of olfacto-genital syndrome] Oziębło L, et al. **Endokrynol Pol** 29(5):417–20, Sep–Oct 78 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Maintenance of spermatogenesis induced by HMG treatment by means of continuous HCG treatment in hypogonadotrophic men. Johnsen SG. **Acta Endocrinol (Copenh)** 89(4):763–9, Dec 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Clinical studies with d-TRP6-luteinizing hormone-releasing hormone in men with hypogonadotropic hypogonadism. Jaramillo CJ, et al. **Fertil Steril** 30(4):430–5, Oct 78

Effect of estriol administration on the hypogonadal woman. Schiff I, et al. **Fertil Steril** 30(3):278–82, Sep 78

Endometrial pathology and its relation to estrogen therapy in patients with hypogonadism. Rosenwaks Z, et al. **Pediatrics** 62(6 Pt 2):1184–8, Dec 78

[Influence of male hormone on libido in impuberism and hypogonadism at the age of 20 years] Gautier D, et al. **Probl Actuels Endocrinol Nutr** (21):57–67, 1977 **(Fre)**

[Neopergonal treatment in male hypogonadotropic hypogonadism (author's transl)] Mattei A, et al. **Sem Hop Paris** 54(25–28):875–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

[Hypogonadotrophic hypogonadism and dysosmia] Ubachs JM, et al. **Ned Tijdschr Geneeskd** 122(49):1912–6, 9 Dec 78 (Eng. Abstr.) **(Dut)**

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

[Etiology of gonadal dysfunction in pituitary insufficiency--with special reference to an hCG test for the evaluation of reserve testicular secretory function] Matsuura M, et al. **Horumon To Rinsho** 26(11):1110–5, Nov 78 **(Jpn)**

[Pathogenesis of extrahepatic disorders in chronic hepatitis and liver cirrhosis and ways of their correction] Kurdybaĭlo FV, et al. **Ter Arkh** 50(10):121–5, 1978 (25 ref.) (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Reifenstein's syndrome--a target cell failure. Glezerman M, et al. **Andrologia** 10(5):353–6, Sep–Oct 78

Chromosome banding studies in two patients with XXXXY syndrome. Levy CL, et al. **J Med Genet** 15(4):301–16, Aug 78

Epiphysial dysplasia: a constant finding in the XXXXY syndrome. Schmidt R, et al. **J Med Genet** 15(4):282–7, Aug 78

Syndromes of ichthyosis and related disorders [letter] Abe K. **J Pediatr** 94(1):165–6, Jan 79

X-linked hypogonadism, gynecomastia, mental retardation, short stature, and obesity--a new syndrome. Vasquez SB, et al. **J Pediatr** 94(1):56–60, Jan 79

[Hypogonadotrophic hypogonadism and dysosmia] Ubachs JM, et al. **Ned Tijdschr Geneeskd** 122(49):1912–6, 9 Dec 78 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Clinical studies with d-TRP6-luteinizing hormone-releasing hormone in men with hypogonadotropic hypogonadism. Jaramillo CJ, et al. **Fertil Steril** 30(4):430–5, Oct 78

X-linked hypogonadism, gynecomastia, mental retardation, short stature, and obesity--a new syndrome. Vasquez SB, et al. **J Pediatr** 94(1):56–60, Jan 79

[Sertoli cell syndrome in men with aspermia and azoospermia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):332–9, 1978 (Eng. Abstr.) **(Bul)**

[Diagnostic possibilities of a biopsy study in men with testicular hypoplasia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):343–8, 1978 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

X-linked hypogonadism, gynecomastia, mental retardation, short stature, and obesity--a new syndrome. Vasquez SB, et al. **J Pediatr** 94(1):56–60, Jan 79

[Sex hormones and general diseases; andrologic aspects] Hornstein OP. **Fortschr Med** 96(40):2035–43, 26 Oct 78 **(Ger)**

THERAPY

[Relationship between the dynamics of mental disorders in patients with primary hypogonadism and surgical intervention (testicular transplantation)] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 78(11):1694–701, 1978 (Eng. Abstr.) **(Rus)**

KLINEFELTER'S SYNDROME

COMPLICATIONS

Sexual precocity and thoracic polyembryoma: Klinefelter syndrome? [letter] Floret D, et al. **J Pediatr** 94(1):163, Jan 79

DIAGNOSIS

[Klinefelter's syndrome as cause for excluding paternity] Gyula K, et al. **Morphol Igazsagugyi Orv Sz** 18(4):288–90, Oct 78 (Eng. Abstr.) **(Hun)**

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373–86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Unusual chromosomal variant in Klinefelter's syndrome. Gardiner A, et al. **Br Med J** 2(6145):1123, 21 Oct 78

METABOLISM

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

PHYSIOPATHOLOGY

Pituitary-gonadal function in XYY and XXY men identified

in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

LEYDIG CELL TUMOR

BLOOD

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

COMPLICATIONS

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

METABOLISM

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

PATHOLOGY

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

NOONAN SYNDROME

COMPLICATIONS

[A case associating an atypical Rokitansky–Kuster–Hauser syndrome, an Turner–like dysmorphia with normal karyotype (Ullrich–Nooman syndrome) (author's transl)] Boutroy JL, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):831–5, May–Jun 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Aarskog syndrome. New findings and genetic analysis. Escobar V, et al. **JAMA** 240(24):2638–41, 8 Dec 78

FAMILIAL & GENETIC

[A case associating an atypical Rokitansky–Kuster–Hauser syndrome, an Turner–like dysmorphia with normal karyotype (Ullrich–Nooman syndrome) (author's transl)] Boutroy JL, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):831–5, May–Jun 78 (Eng. Abstr.) **(Fre)**

OVARIAN CYSTS

BLOOD

A study of the specificity of Bandeiraea simplicifolia lectin I by competitive–binding assay with blood–group substances and with blood–group A and B active and other oligosaccharides. Kisailus EC, et al. **Carbohydr Res** 67(1):243–55, Nov 78

COMPLICATIONS

[Ovarian cysts; their complications] Blanc J. **Soins** 23(19):19–24, 5 Oct 78 **(Fre)**

DIAGNOSIS

Gray scale ultrasonography in the diagnosis of endometriosis and adenomyosis. Walsh JW, et al. **AJR** 132(1):87–90, Jan 79

Hydatid torsion. Barlow B, et al. **Am J Dis Child** 132(12):1216–7, Dec 78

Ultrasound demonstration of wandering spleen. Lee TG, et al. **Arch Surg** 114(1):13–5, Jan 79

[Ovarian cysts; their complications] Blanc J. **Soins** 23(19):19–24, 5 Oct 78 **(Fre)**

METABOLISM

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

OCCURRENCE

Incidence of infertility in dairy cows. Roine K, et al. **Acta Vet Scand** 19(3):354–67, 1978

SURGERY

Surgical treatment of polycystic ovaries in the dog (a case report). Vaden P. **VM SAC** 73(9):1160, Sep 78

THERAPY

[Ovarian cysts; their complications] Blanc J. **Soins** 23(19):19–24, 5 Oct 78 **(Fre)**

VETERINARY

Incidence of infertility in dairy cows. Roine K, et al. **Acta Vet Scand** 19(3):354–67, 1978

Surgical treatment of polycystic ovaries in the dog (a case report). Vaden P. **VM SAC** 73(9):1160, Sep 78

OVARIAN DISEASES

[Right–side ovarian and tubal incarceration through strangulation in pregnancy] Měcháček J, et al. **Cesk Gynekol** 43(9):717, Nov 78 **(Cze)**

BLOOD

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

CHEMICALLY INDUCED

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

Complications of gonadotropin therapy. March CM. **J Reprod Med** 21(3 Suppl):208–11, Sep 78

CLASSIFICATION

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

COMPLICATIONS

A case of intermittent ovarian failure. Schreiber JR, et al. **Am J Obstet Gynecol** 132(6):698–9, 15 Nov 78

[Role of the infectious factor in the etiopathogenesis of primary sterility of ovarian origin (an experimental study)] Avramov I. **Akush Ginekol (Sofiia)** 17(5):313–8, 1978 (Eng. Abstr.) **(Bul)**

[Descending salpingitis following ruptured appendicitis (author's transl)] Egger H, et al. **Geburtshilfe Frauenheilkd** 38(11):941–2, Nov 78 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Laparascopy and ovarian biopsy as ovarian function studies in primary and secondary amenorrhea] Scarpa F, et al. **Minerva Ginecol** 30(10):871–80, Oct 78 (Eng. Abstr.) **(Ita)**

[Principles of the histological diagnosis of pathology of the ovaries and Fallopian tubes] Zheleznov BI. **Akush Ginekol (Mosk)** (10):67–71, 1978 **(Rus)**

DRUG THERAPY

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

ETIOLOGY

Aftermath of a cesarean. Ledger WJ. **Hosp Pract** 13(9):41, 46, 50, Sep 78

Pelvic abscess in association with intrauterine contraceptive device. Scott WC. **Trans Pac Coast Obstet Gynecol Soc** 45:43–50, 1978

PATHOLOGY

Massive ovarian edema: a nonneoplastic pelvic mass of young women. Kanbour AI, et al. **Arch Pathol Lab Med** 103(1):42–5, Jan 79

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

[Laparascopy and ovarian biopsy as ovarian function studies in primary and secondary amenorrhea] Scarpa F, et al. **Minerva Ginecol** 30(10):871–80, Oct 78 (Eng. Abstr.) **(Ita)**

[Principles of the histological diagnosis of pathology of the ovaries and Fallopian tubes] Zheleznov BI. **Akush Ginekol (Mosk)** (10):67–71, 1978 **(Rus)**

PHYSIOPATHOLOGY

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

RADIOGRAPHY

Radiographic findings in ovarian teratomas in children. Siegel MJ, et al. **AJR** 131(4):613–5, Oct 78

SURGERY

Massive ovarian edema: a nonneoplastic pelvic mass of young women. Kanbour AI, et al. **Arch Pathol Lab Med** 103(1):42–5, Jan 79

Aftermath of a cesarean. Ledger WJ. **Hosp Pract** 13(9):41, 46, 50, Sep 78

THERAPY

Complications of gonadotropin therapy. March CM. **J Reprod Med** 21(3 Suppl):208–11, Sep 78

[Experience in treating suppurative processes of the adnexa uteri] Shabanovaia SP, et al. **Pediatr Akush Ginekol** (5):61–2, Sep–Oct 78 **(Ukr)**

OVARIAN NEOPLASMS

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

ANALYSIS

Ultrastructural and histochemical observations on serous ovarian cystadenomas. Klemi PJ, et al. **Acta Pathol Microbiol Scand [A]** 86(4):303–12, Jul 78

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

BLOOD

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

Fibrin degradation products and the diagnosis of ovarian carcinoma. Anstey JT, et al. **Obstet Gynecol** 52(5):605–8, Nov 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

CLASSIFICATION

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

COMPLICATIONS

The hirsute female. Wahl TO, et al. **J Kans Med Soc** 79(12):673–7, Dec 78

Thecoma of the ovary with uterine myomatosis. Sane SY. **J Postgrad Med** 24(3):193–4, Jul 78

Infarcted uterine adnexa. Associated pathology. Demopoulos RI, et al. **NY State J Med** 78(13):2027–9, Nov 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

[Sclerosing tumour of the ovarian stroma. A case history (author's transl)] Gloor E. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):785–8, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Case of a giant arrhenoblastoma of the ovary] Krakowiak R, et al. **Ginekol Pol** 49(11):1001–6, Nov 78 (Eng. Abstr.) **(Pol)**

[Tumor of dysgenetic gonads in females with Y chromosome] Boczkowski K. **Postepy Hig Med Dosw** 32(3):381–90, May–Jun 78 **(Pol)**

DIAGNOSIS

Carcinoembryonic antigen (CEA) and other tumor markers in ovarian and cervical cancer. Malkin A, et al. **Cancer** 42(3 Suppl):1452–6, Sep 78

Fibrin degradation products and the diagnosis of ovarian carcinoma. Anstey JT, et al. **Obstet Gynecol** 52(5):605–8, Nov 78

Immunohistological approach to tumor diagnosis. Taylor CR. **Oncology** 35(5):187–97, 1978

[Usefulness of histochemical methods in the diagnosis of ovarian neoplasms] Kędzia H, et al. **Ginekol Pol** 49(10):865–72, Oct 78 (Eng. Abstr.) **(Pol)**

[Large pancreatic cyst simulating tumor of the ovary] Kochetov GP, et al. **Klin Khir** (11):59, Nov 78 **(Rus)**

DRUG THERAPY

Hexamethylmelamine in alkylating agent–resistant ovarian carcinoma. Johnson BL, et al. **Cancer** 42(5):2157–61, Nov 78

Methotrexate disposition in humans: case studies in ovarian cancer and following high-dose infusion. Chabner BA, et al. **Drug Metab Rev** 8(1):107–17, 1978 (14 ref.)

How do things stand with cisplatin? [news] Check W. **JAMA** 240(23):2521–2525, 1 Dec 78

Vasculitis and melphalan [letter] Skehan MW, et al. **JAMA** 240(25):2733–4, 15 Dec 78

High-dose melphalan and cyclophosphamide pre-treatment [letter] Price LA, et al. **Lancet** 2(8103):1313–4, 16 Dec 78

Addisonian syndrome associated with treosulfan [letter] Prior J, et al. **Lancet** 2(8101):1207–8, 2 Dec 78

Advanced ovarian adenocarcinoma. A prospective clinical trial of melphalan (L-PAM) versus combination chemotherapy. Young RC, et al. **N Engl J Med** 299(23):1261–6, 7 Dec 78

[Studies on toxic proteins of seeds of Abrus precatorius (author's transl)] Tung TC. **Taiwan I Hsueh Hui Tsa Chih** 77(9):699–705, Sep 78 **(Chi)**

[Chemotherapy of ovarian cancers, stage III (letter) (author's transl)] Amiel JL. **Nouv Presse Med** 7(35):3150–1, 14 Oct 78 (Eng. Abstr.) **(Fre)**

[Effectiveness of surgical measures in progressive ovarian cancer] Krafft W, et al. **Zentralbl Gynaekol** 100(17):1131–3, 1978 (Eng. Abstr.) **(Ger)**

[Ovarian carcinoma] Zasępa A, et al. **Wiad Lek** 31(18):1289–92, 15 Sep 78 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

[Usefulness of histochemical methods in the diagnosis of ovarian neoplasms] Kędzia H, et al. **Ginekol Pol** 49(10):865–72, Oct 78 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Ovarian cancer; some epidemiological features. Muir CS, et al. **World Health Stat Q** 31(1):51–61, 1978 **(Eng, Fre)**

[Ovarian endometriosis. Clinico-pathological study. 1] Wacker-Pujdak B. **Ginekol Pol** 49(7):613–20, Jul 78 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Characterization of an ovarian carcinoma cell line. Freedman RS, et al. **Cancer** 42(5):2352–9, Nov 78

[Familial occurrence of gonadal tumors in women with a 46,XY karyotype] Boczkowski K, et al. **Endokrynol Pol** 29(6):527–35, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Toxicity manifestations following intravenous Corynebacterium parvum administration to patients with ovarian and cervical carcinoma. Gall SA, et al. **Am J Obstet Gynecol** 132(5):555–60, 1 Nov 78

Ovarian tumor antigens. Bhattacharya M, et al. **Cancer** 42(3 Suppl):1616–20, Sep 78

Further characterization of CSAp, an antigen associated with gastrointestinal and ovarian tumors. Pant KD, et al. **Cancer** 42(3 Suppl):1626–34, Sep 78

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

[Tissue antigens in ovarian carcinoma] Burton RM, et al. **Onkologie** 1(2):75–8, Apr 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Immunocytochemical detection of carcinoembryonic antigen in conventional histopathology specimens. Goldenberg DM, et al. **Cancer** 42(3 Suppl):1546–53, Sep 78

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Carcinoembryonic antigen (CEA) and other tumor markers in ovarian and cervical cancer. Malkin A, et al. **Cancer** 42(3 Suppl):1452–6, Sep 78

The clinical significance of carcinoembryonic antigen in the plasma and tumors of patients with gynecologic malignancies. van Nagell JR Jr, et al. **Cancer** 42(3 Suppl):1527–32, Sep 78 (23 ref.)

Protein synthesis by rat transplantable yolk sac tumor and its relation to the cytosol levels of translatable messenger RNA's. Kaneko Y, et al. **Cancer Res** 38(12):4728–33, Dec 78

Methotrexate disposition in humans: case studies in ovarian cancer and following high-dose infusion. Chabner BA, et al. **Drug Metab Rev** 8(1):107–17, 1978 (14 ref.)

Developmental changes in carbohydrate moiety of human alpha-fetoprotein. Ruoslahti E, et al. **Int J Cancer** 22(5):515–20, 15 Nov 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

MORTALITY

Advanced ovarian adenocarcinoma. A prospective clinical trial of melphalan (L-PAM) versus combination chemotherapy. Young RC, et al. **N Engl J Med** 299(23):1261–6, 7 Dec 78

Ovarian cancer; some epidemiological features. Muir CS, et al. **World Health Stat Q** 31(1):51–61, 1978 **(Eng, Fre)**

[Effectiveness of surgical measures in progressive ovarian cancer] Krafft W, et al. **Zentralbl Gynaekol** 100(17):1131–3, 1978 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Second primary neoplasms following ovarian cancer. Reimer RR, et al. **J Natl Cancer Inst** 61(5):1195–7, Nov 78

Ovarian cancer; some epidemiological features. Muir CS, et al. **World Health Stat Q** 31(1):51–61, 1978 **(Eng, Fre)**

[Tumors of the ovary occurring before puberty (apropos of 24 cases including 5 bilateral)] Mayer B, et al. **Pediatrie** 33(6):583–91, Sep 78 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Pathology of mucinous ovarian cystadenomas. I. Argyrophil and argentaffin cells and epithelial mucosubstances. Klemi PJ. **Acta Pathol Microbiol Scand [A]** 86A(6):465–70, Nov 78

Ultrastructural and histochemical observations on serous ovarian cystadenomas. Klemi PJ, et al. **Acta Pathol Microbiol Scand [A]** 86(4):303–12, Jul 78

Ovarian tumor antigens. Bhattacharya M, et al. **Cancer** 42(3 Suppl):1616–20, Sep 78

Characterization of an ovarian carcinoma cell line. Freedman RS, et al. **Cancer** 42(5):2352–9, Nov 78

Anaplastic dysgerminoma. Gillespie JJ, et al. **Cancer** 42(4):1886–9, Oct 78

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Virilizing adrenal rest tumor of the ovary--a clinicomorphological study. Georgiev TN, et al. **Endokrynol Pol** 29(6):537–41, Nov-Dec 78

Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Nogales FFJr, et al. **Hum Pathol** 9(5):553–66, Sep 78

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

A model for the radionuclide measurement of ascitic fluid volumes. Kaplan WD, et al. **J Nucl Med** 19(10):1138–41, Oct 78

Bilateral granulosa cell tumors of the ovaries in infancy. Hollenbeck JI, et al. **J Pediatr Surg** 13(6):542–3, Oct 78

Inflammatory oncotaxis [letter] Sataline L, et al. **JAMA** 240(22):2434, 24 Nov 78

Fibrin degradation products and the diagnosis of ovarian carcinoma. Anstey JT, et al. **Obstet Gynecol** 52(5):605–8, Nov 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

Chromosomes in solid tumors. Kakati S, et al. **Virchows Arch [Cell Pathol]** 29(1–2):129–37, 17 Nov 78

Ovarian cancer; some epidemiological features. Muir CS, et al. **World Health Stat Q** 31(1):51–61, 1978 **(Eng, Fre)**

[Sclerosing tumour of the ovarian stroma. A case history (author's transl)] Gloor E. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):785–8, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Tumors of the ovary occurring before puberty (apropos of 24 cases including 5 bilateral)] Mayer B, et al. **Pediatrie** 33(6):583–91, Sep 78 (Eng. Abstr.) **(Fre)**

[Mixed mesodermal tumor of the ovary with metastases to the vagina] Pawelec-Kęsiak L, et al. **Ginekol Pol** 49(11):1007, Nov 78 (Eng. Abstr.) **(Pol)**

[Ovarian endometriosis. Clinico-pathological study. 1] Wacker-Pujdak B. **Ginekol Pol** 49(7):613–20, Jul 78 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

An inhibitor from placenta specifically binds urokinase and inhibits plasminogen activator released from ovarian carcinoma in tissue culture. Holmberg L, et al. **Biochim Biophys Acta** 544(1):128–37, 15 Nov 78

RADIOGRAPHY

Accuracy of CT in detecting intraabdominal and pelvic lymph node metastases from pelvic cancers. Lee JK, et al. **AJR** 131(4):675–9, Oct 78

Radiographic findings in ovarian teratomas in children. Siegel MJ, et al. **AJR** 131(4):613–5, Oct 78

[Arteriographic findings in adrenal metastases (author's transl)] Hoevels J, et al. **ROEFO** 129(4):460–9, Oct 78 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Ovarian carcinoma] Zasępa A, et al. **Wiad Lek** 31(18):1289–92, 15 Sep 78 (Eng. Abstr.) **(Pol)**

SURGERY

The clinical significance of carcinoembryonic antigen in the plasma and tumors of patients with gynecologic malignancies. van Nagell JR Jr, et al. **Cancer** 42(3 Suppl):1527–32, Sep 78 (23 ref.)

Bilateral granulosa cell tumors of the ovaries in infancy. Hollenbeck JI, et al. **J Pediatr Surg** 13(6):542–3, Oct 78

The choice of an intestinal segment for a urinary conduit. Schlesinger RE, et al. **Surg Gynecol Obstet** 148(1):45–8, Jan 79

[Sclerosing tumour of the ovarian stroma. A case history (author's transl)] Gloor E. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):785–8, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Chemotherapy of ovarian cancers, stage III (letter) (author's transl)] Amiel JL. **Nouv Presse Med** 7(35):3150–1, 14 Oct 78 (Eng. Abstr.) **(Fre)**

[Tumors of the ovary occurring before puberty (apropos of 24 cases including 5 bilateral)] Mayer B, et al. **Pediatrie** 33(6):583–91, Sep 78 (Eng. Abstr.) **(Fre)**

[Effectiveness of surgical measures in progressive ovarian cancer] Krafft W, et al. **Zentralbl Gynaekol** 100(17):1131–3, 1978 (Eng. Abstr.) **(Ger)**

[Case of ovarian cancer followed-up for a number of years] Kobierska A, et al. **Ginekol Pol** 49(10):913–5, Oct 78 (Eng. Abstr.) **(Pol)**

[Ovarian carcinoma] Zasępa A, et al. **Wiad Lek** 31(18):1289–92, 15 Sep 78 (Eng. Abstr.) **(Pol)**

THERAPY

Toxicity manifestations following intravenous Corynebacterium parvum administration to patients with ovarian and cervical carcinoma. Gall SA, et al. **Am J Obstet Gynecol** 132(5):555–60, 1 Nov 78

A preliminary study of intralesional, intralymph node, intravenous and intraperitoneal Corynebacterium parvum treatments in patients with advanced cancer. Cheng VS, et al. **Cancer** 42(4):1912–5, Oct 78

Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Nogales FFJr, et al. **Hum Pathol** 9(5):553–66, Sep 78

Second primary neoplasms following ovarian cancer. Reimer

RR, et al. **J Natl Cancer Inst** 61(5):1195–7, Nov 78
Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)
[Non-surgical treatment of peritoneal pseudomyxoma] Arbués Lacadena J. **Acta Obstet Ginecol Hisp Lusit** 26(5):269–72, May 78 **(Spa)**

ULTRASTRUCTURE

Ultrastructural and histochemical observations on serous ovarian cystadenomas. Klemi PJ, et al. **Acta Pathol Microbiol Scand [A]** 86(4):303–12, Jul 78
Pathology of mucinous ovarian cystadenomas. 2. Ultrastructural findings. Klemi PJ, et al. **Acta Pathol Microbiol Scand [A]** 86A(6):471–81, Nov 78
Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Nogales FFJr, et al. **Hum Pathol** 9(5):553–66, Sep 78

OVARY

ABNORMALITIES

[Case of a neovagina in aplasia of the vagina, uterus, fallopian tubes and ovary] Kurlov T, et al. **Akush Ginekol (Sofiia)** 17(5):371–3, 1978 (Eng. Abstr.) **(Bul)**
[Histochemical studies of dysgenesic ovaries in rats. Enzyme of general metabolism (author's transl)] Vanhems E, et al. **Cell Mol Biol** 23(2):171–7, 1978 (Eng. Abstr.) **(Fre)**

PRADER-WILLI SYNDROME

COMPLICATIONS

Pubertal development in the Prader–Labhart–Willi syndrome. Kauli R, et al. **Acta Paediatr Scand** 67(6):763–7, Nov 78

ETIOLOGY

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Pubertal development in the Prader–Labhart–Willi syndrome. Kauli R, et al. **Acta Paediatr Scand** 67(6):763–7, Nov 78

PSEUDOHERMAPHRODITISM

COMPLICATIONS

Two children with kidney disease. Demonstrated at the Royal College of Physicians of London [clinical conference] **Br Med J** 2(6141):867–72, 23 Sep 78

DIAGNOSIS

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)
Male pseudohermaphroditism: genetics and clinical delineation. Simpson JL. **Hum Genet** 44(1):1–49, 19 Oct 78

DRUG THERAPY

[Analysis of the results of the long-term estrogen therapy of gonadal dysgenesis] Savitskiĭ GA. **Akush Ginekol (Mosk)** (10):41–4, 1978 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

5-alpha-Reductase deficiency causing male pseudohermaphroditism. Greene SA, et al. **Arch Dis Child** 53(9):751–3, Sep 78

ETIOLOGY

5-alpha-Reductase deficiency causing male pseudohermaphroditism. Greene SA, et al. **Arch Dis Child** 53(9):751–3, Sep 78
Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

FAMILIAL & GENETIC

Reifenstein's syndrome--a target cell failure. Glezerman M, et al. **Andrologia** 10(5):353–6, Sep–Oct 78
Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)
Male pseudohermaphroditism: genetics and clinical delineation. Simpson JL. **Hum Genet** 44(1):1–49, 19 Oct 78
[Hormones of the other sex and sex behavior] Bounhiol JJ. **Probl Actuels Endocrinol Nutr** (21):247–74, 1977 (16 ref.) **(Fre)**

METABOLISM

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

PATHOLOGY

Primary amenorrhea in an elderly woman [clinical conference] **Am J Med** 65(3):514–20, Sep 78

PUBERTY, PRECOCIOUS

[Genetic research on the time of manifestation of puberty] Ronzoni Bernardi MG. **Minerva Med** 69(46):3172–4, 30 Sep 78 **(Ita)**
[Physiopathology of adolescence] Zavettieri Giannettasio E. **Minerva Med** 69(45):3059–90, 29 Sep 78 **(Ita)**

COMPLICATIONS

Laughing seizures and precocious puberty (case report and review of the literature). Penfold JL, et al. **Aust Paediatr J** 14(3):185–90, Sep 78
Vaginal bleeding in childhood: a review of 51 patients. Heller ME, et al. **Br J Obstet Gynaecol** 85(10):721–5, Oct 78

DIAGNOSIS

Vaginal bleeding in childhood: a review of 51 patients. Heller ME, et al. **Br J Obstet Gynaecol** 85(10):721–5, Oct 78

DRUG THERAPY

Laughing seizures and precocious puberty (case report and review of the literature). Penfold JL, et al. **Aust Paediatr J** 14(3):185–90, Sep 78

ETIOLOGY

Pubertal development in the Prader–Labhart–Willi syndrome. Kauli R, et al. **Acta Paediatr Scand** 67(6):763–7, Nov 78
Tuberous sclerosis. Cummings JL, et al. **Am J Dis Child** 132(12):1215–6, Dec 78
Precocious puberty and non-accidental injury. McKiernan J. **Br Med J** 2(6144):1059, 14 Oct 78
Sexual precocity and thoracic polyembryoma: Klinefelter syndrome? [letter] Floret D, et al. **J Pediatr** 94(1):163, Jan 79

PHYSIOPATHOLOGY

Bayley–Pinneau, Roche–Wainer–Thissen, and Tanner height predictions in normal children and in patients with various pathologic conditions. Zachmann M, et al. **J Pediatr** 93(5):749–55, Nov 78

RADIOGRAPHY

Pneumopelvigraphy in childhood. Lester PD, et al. **AJR** 131(4):607–12, Oct 78

SERTOLI CELL TUMOR

METABOLISM

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

PATHOLOGY

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ,

et al. **Cancer** 42(4):1772–83, Oct 78

SEX CHROMOSOME ABNORMALITIES

Are sex chromosone abnormalities a factor in speech delay? Tuncbilek E, et al. **Arch Dis Child** 53(10):831, Oct 78

Chromosome banding studies in two patients with XXXXY syndrome. Levy CL, et al. **J Med Genet** 15(4):301–16, Aug 78

Epiphysial dysplasia: a constant finding in the XXXXY syndrome. Schmidt R, et al. **J Med Genet** 15(4):282–7, Aug 78

Sex chromosome abnormalities and crime. Wong HB, et al. **Mod Med Asia** 14(11):11–5, Nov 78

Early development of children with sex chromosome aberrations. Haka-Ikse K, et al. **Pediatrics** 62(5):761–6, Nov 78

Cyclopia associated with triploidy and hydatidiform mole: a case report. Deligdisch L, et al. **Teratology** 18(2):257–61, Oct 78

[A case of 48, XXYY syndrome (the first reported case in Taiwan) (author's transl)] Chuang SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 77(9):692–8, Sep 78 (Eng. Abstr.) **(Chi)**

[Heredity and neuroses (review of the literature)] Kochubei BI. **Zh Nevropatol Psikhiatr** 78(11):1716–23, 1978 **(Rus)**

BLOOD

Prolactin secretion in XYY males [letter] Price WH, et al. **Lancet** 2(8101):1209, 2 Dec 78

CLASSIFICATION

Male pseudohermaphroditism: genetics and clinical delineation. Simpson JL. **Hum Genet** 44(1):1–49, 19 Oct 78

COMPLICATIONS

Diagnosis of treatable types of short and tall stature. Zachmann M. **Postgrad Med J** 54 Suppl 1:121–32, 1978 (62 ref.)

DIAGNOSIS

Diagnosis of treatable types of short and tall stature. Zachmann M. **Postgrad Med J** 54 Suppl 1:121–32, 1978 (62 ref.)

[Gonosome pathology and adolescence. Importance of early diagnosis] Pantarotto MF, et al. **Minerva Med** 69(46):3186–90, 30 Sep 78 **(Ita)**

[X trisomy with a rarely observed clinical syndrome] Sito A, et al. **Pediatr Pol** 53(11):1303–6, Nov 78 **(Pol)**

ENZYMOLOGY

Enzymatic basis of typical X-linked ichthyosis [letter] Marinković-Ilsen A, et al. **Lancet** 2(8099):1097, 18 Nov 78

FAMILIAL & GENETIC

X-linked muscular dystrophy. Furukawa T, et al. **Ann Neurol** 2(5):414–6, Nov 77

Cytogenetic abnormalities in orthopedic patients. Cowell HR, et al. **Clin Orthop** (135):4–14, Sep 78

IMMUNOLOGY

Colony-forming B cells in F1 hybrid and transplanted CBA/N mice. Kincade PW, et al. **Cell Immunol** 40(2):294–302, Oct 78

OCCURRENCE

[A case of 48, XXYY syndrome (the first reported case in Taiwan) (author's transl)] Chuang SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 77(9):692–8, Sep 78 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Pituitary-gonadal function in XYY and XXY men identified in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

RADIOGRAPHY

Pneumoencephalographic and clinical findings of the XYY syndrome. Hakola HP, et al. **Acta Psychiatr Scand** 58(4):360–70, Oct 78

VETERINARY

Banding patterns of the chromosomes of two new karyotypes of the owl monkey, Aotus, captured in Panama. Ma NS, et al. **J Med Primatol** 7(3):146–55, 1978

SEX DIFFERENTIATION DISORDERS

[Adolescence and sex] Tosoni MJ. **Minerva Med** 69(46):3166–71, 30 Sep 78 **(Ita)**

CHEMICALLY INDUCED

Effects of mibolerone on conception, pregnancy, parturition, and offspring in the Beagle. Sokolowski JH, et al. **Am J Vet Res** 39(5):837–9, May 78

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347–54, Aug 78

CLASSIFICATION

Male pseudohermaphroditism: genetics and clinical delineation. Simpson JL. **Hum Genet** 44(1):1–49, 19 Oct 78

DIAGNOSIS

[Gonosome pathology and adolescence. Importance of early diagnosis] Pantarotto MF, et al. **Minerva Med** 69(46):3186–90, 30 Sep 78 **(Ita)**

EMBRYOLOGY

Micropenis and its management. Smith DW. **Birth Defects** 13(2):147–54, 1977 (14 ref.)

[Hormones of the other sex and sex behavior] Bounhiol JJ. **Probl Actuels Endocrinol Nutr** (21):247–74, 1977 (16 ref.) **(Fre)**

ENZYMOLOGY

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347–54, Aug 78

FAMILIAL & GENETIC

[Role of Y chromosome in human sex determination] Boczkowski K. **Postepy Hig Med Dosw** 32(3):373–80, May-Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

METABOLISM

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347–54, Aug 78

THERAPY

Micropenis and its management. Smith DW. **Birth Defects** 13(2):147–54, 1977 (14 ref.)

VETERINARY

Effects of mibolerone on conception, pregnancy, parturition, and offspring in the Beagle. Sokolowski JH, et al. **Am J Vet Res** 39(5):837–9, May 78

STEIN-LEVENTHAL SYNDROME

BLOOD

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

COMPLICATIONS

[Laurence–Moon–Bardet–Biedl syndrome and endometrial carcinoma] Peiker G, et al. **Zentralbl Gynaekol** 100(17):1126–30, 1978 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[12 cases of polycystic ovary type 1 (Stein–Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

METABOLISM

Oestrogen amplification of LH–RH response in the polycystic ovary syndrome and response to clomiphene. Kandeel FR, et al. **Clin Endocrinol (Oxf)** 9(5):429–41, Nov 78

Activity of testosterone 5alpha–reductase in the hair follicles of women with polycystic ovaries. Miyazaki M, et al. **J Endocrinol** 78(3):445–6, Sep 78

PHYSIOPATHOLOGY

[12 cases of polycystic ovary type 1 (Stein–Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Pneumopelvigraphy in childhood. Lester PD, et al. **AJR** 131(4):607–12, Oct 78

SURGERY

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

[Laurence–Moon–Bardet–Biedl syndrome and endometrial carcinoma] Peiker G, et al. **Zentralbl Gynaekol** 100(17):1126–30, 1978 (Eng. Abstr.) **(Ger)**

STRUMA OVARII

PATHOLOGY

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

TESTICULAR DISEASES

CHEMICALLY INDUCED

'Long term use of cyclophosphamide in nephrotic syndrome' [letter] Choudhary VP. **Indian Pediatr** 15(4):369, Apr 78

DIAGNOSIS

Should health teaching include self–examination of the testes? Conklin M, et al. **Am J Nurs** 78(12):2073–4, Dec 78

Testicular self–examination. Murray BL, et al. **Am J Nurs** 78(12):2074–5, Dec 78

ETIOLOGY

Testicular schistosomiasis [letter] Honoré LH. **Urology** 12(4):492, Oct 78

TESTICULAR FEMINIZATION

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Effect of the mouse mutants testicular feminization and sex reversal on hormone–mediated induction and repression of enzymes. Bulfield G, et al. **Biochem Genet** 16(7–8):743–50, Aug 78

FAMILIAL & GENETIC

Male pseudohermaphroditism: genetics and clinical delineation. Simpson JL. **Hum Genet** 44(1):1–49, 19 Oct 78

[Testicular feminization syndrome discovered in infancy in brothers] Yamada K, et al. **Horumon To Rinsho** 26(11):1203–7, Nov 78 **(Jpn)**

METABOLISM

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

PATHOLOGY

Primary amenorrhea in an elderly woman [clinical conference] **Am J Med** 65(3):514–20, Sep 78

Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Millonig G, et al. **Gynecol Obstet Invest** 9(1):16–31, 1978

TESTICULAR NEOPLASMS

Gastrointestinal tract metastasis in patients with germ–cell tumor of the testis. Chait MM, et al. **Am J Dig Dis** 23(10):925–8, Oct 78

[Testicular neoplasms: New endocrinologic and clinical results] Jacobi GH. **Urologe [A]** 17(6):399–401, Nov 78 **(Ger)**

ANALYSIS

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

BLOOD

Serum alpha–fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Schultz H, et al. **Cancer** 42(5):2182–6, Nov 78

Fetal proteins in various tumors. Alsabti EA, et al. **Jpn J Exp Med** 48(4):283–5, Aug 78

CLASSIFICATION

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

COMPLICATIONS

Seminoma in a 12–year–old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

DIAGNOSIS

Should health teaching include self–examination of the testes? Conklin M, et al. **Am J Nurs** 78(12):2073–4, Dec 78

Testicular self–examination. Murray BL, et al. **Am J Nurs** 78(12):2074–5, Dec 78

Unusual tumor of the iris: a rare initial clinical manifestation of metastatic adenocarcinoma of the tail of the pancreas. Barsky D. **Ann Ophthalmol** 10(11):1539–43, Nov 78

Misdiagnosis of testicular tumours. Hill JT. **J R Soc Med** 71(10):737–40, Oct 78

Clinical use of A.F.P. and H.C.G. in testicular tumours of germ–cell origin [letter] **Lancet** 2(8098):1042, 11 Nov 78

Immunohistological approach to tumor diagnosis. Taylor CR. **Oncology** 35(5):187–97, 1978

Accuracy of preoperative studies in staging nonseminomatous germ cell testicular tumors. Sago AL, et al. **Urology** 12(4):420–2, Oct 78

[Clinical relevance of serum alpha–1–fetoprotein determinations] Weiss W. **Onkologie** 1(1):6–14, Feb 78 (Eng.

Abstr.) (Ger)
[Therapy and prognosis of testicular tumors: the teratocarcinoma, results from 52 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):745–52, Nov 78 (Eng. Abstr.) (Ger)
[Therapy and prognosis of testicular tumors: the seminoma, results from radiation therapy in 100 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):739–44, Nov 78 (Eng. Abstr.) (Ger)
[Value and problems of alpha-fetoprotein determinations in testicular neoplasms] Pirlich W, et al. **Z Urol Nephrol** 71(9):613–6, Sep 78 (Eng. Abstr.) (Ger)

DRUG THERAPY

'Disappearing' spinal cord compression: oncolytic effect of glucocorticoids (and other chemotherapeutic agents) on epidural metastases. Posner JB, et al. **Ann Neurol** 2(5):409–13, Nov 77
Germ cell tumors (II): VAB II in metastatic testicular cancer. Cheng E, et al. **Cancer** 42(5):2162–8, Nov 78
Variables for predicting serious toxicity (vinblastine dose, performance status, and prior therapeutic experience): chemotherapy for metastatic testicular cancer with cis-dichlorodiammineplatinum(II), vinblastine, and bleomycin. Krikorian JG, et al. **Cancer Treat Rep** 62(10):1455–63, Oct 78
Raynaud's phenomenon after vinblastine-bleomycin chemotherapy. Rothberg H, et al. **J Med Soc NJ** 75(12):845–6, Nov 78
Testicular biopsy prior to termination of leukemic therapy. Kim TH, et al. **J Pediatr** 94(1):95–6, Jan 79
How do things stand with cisplatin? [news] Check W. **JAMA** 240(23):2521–2525, 1 Dec 78
Toxic epidermal necrolysis after mithramycin [letter] Purpora D, et al. **N Engl J Med** 299(25):1412, 21 Dec 78
Fertility following treatment of adrenal rest tumor. Uehling DT. **Surg Forum** 28:580–2, 1977
Childhood embryonal carcinoma of testes. Drago JR, et al. **Urology** 12(5):499–503, Nov 78
[Chemotherapy of testicular tumor] Soeda A. **Nippon Rinsho** 36(8):3065–6, Aug 78 (Jpn)

FAMILIAL & GENETIC

Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

IMMUNOLOGY

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

METABOLISM

An immunohistological study of steroid localization in Sertoli-Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78
Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

MORTALITY

Neurologic complications after irradiation of malignant tumors of the testis. Schiødt AV, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):369–78, 1978

OCCURRENCE

Primary testicular tumours among White, Black and Indian patients. Coovadia YM. **S Afr Med J** 54(9):351–2, 26 Aug 78

PATHOLOGY

Unusual tumor of the iris: a rare initial clinical manifestation of metastatic adenocarcinoma of the tail of the pancreas. Barsky D. **Ann Ophthalmol** 10(11):1539–43, Nov 78
Scottish Paediatric Society. The Summer Meeting held at Ninewells Hospital Dundee on Friday 2 June 1978. Scientific communications. **Arch Dis Child** 53(10):841, Oct 78
Neoplasms of tunica vaginalis. Sinha AP. **Br J Urol** 50(6):424, Oct 78
An immunohistological study of steroid localization in Sertoli-Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78
The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)
Testicular biopsy prior to termination of leukemic therapy. Kim TH, et al. **J Pediatr** 94(1):95–6, Jan 79
Abdominal mass with varicocele. **NY State J Med** 78(14):2219–22, Dec 78
Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)
Accuracy of preoperative studies in staging nonseminomatous germ cell testicular tumors. Sago AL, et al. **Urology** 12(4):420–2, Oct 78
[Therapy and prognosis of testicular tumors: the teratocarcinoma, results from 52 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):745–52, Nov 78 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Accuracy of CT in detecting intraabdominal and pelvic lymph node metastases from pelvic cancers. Lee JK, et al. **AJR** 131(4):675–9, Oct 78
Abdominal mass with varicocele. **NY State J Med** 78(14):2219–22, Dec 78

RADIOTHERAPY

Neurologic complications after irradiation of malignant tumors of the testis. Schiødt AV, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):369–78, 1978
Radiation therapy for germinal tumors of the testes. Slawson RG. **Cancer** 42(5):2216–23, Nov 78
Testicular relapse in acute leukaemia [letter] Williams HJ, et al. **Lancet** 2(8100):1152, 25 Nov 78
[Radiotherapeutic aspects of testicular tumours: results and problems (author's transl)] Eibach E, et al. **Dtsch Med Wochenschr** 103(50):2003–7, 15 Dec 78 (Eng. Abstr.) (Ger)
[Therapy and prognosis of testicular tumors: the teratocarcinoma, results from 52 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):745–52, Nov 78 (Eng. Abstr.) (Ger)
[Therapy and prognosis of testicular tumors: the seminoma, results from radiation therapy in 100 patients (author's transl)] Aberle HG, et al. **Strahlentherapie** 154(11):739–44, Nov 78 (Eng. Abstr.) (Ger)
[Telegammatherapy of malignant testicular neoplasms] Wojcieszek Z, et al. **Pol Tyg Lek** 33(49):1881–3, 4 Dec 78 (Eng. Abstr.) (Pol)

SURGERY

Childhood embryonal carcinoma of testes. Drago JR, et al. **Urology** 12(5):499–503, Nov 78
[Coagulation disorders following surgical intervention for urologic tumors] Anger G, et al. **Z Urol Nephrol** 71(8):559–62, Aug 78 (Eng. Abstr.) (Ger)
[Telegammatherapy of malignant testicular neoplasms] Wojcieszek Z, et al. **Pol Tyg Lek** 33(49):1881–3, 4 Dec 78 (Eng. Abstr.) (Pol)

THERAPY

Postoperative morbidity and mortality after bleomycin treatment [letter] Schraibman IG. **Br Med J** 2(6141):892–3, 23 Sep 78
Serum alpha-fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Schultz H, et al. **Cancer** 42(5):2182–6, Nov 78
Variables for predicting serious toxicity (vinblastine dose, performance status, and prior therapeutic experience): chemotherapy for metastatic testicular cancer with cis-dichlorodiammineplatinum(II), vinblastine, and bleomycin. Krikorian JG, et al. **Cancer Treat Rep** 62(10):1455–63, Oct 78
Clinical use of A.F.P. and H.C.G. in testicular tumours of germ-cell origin [letter] **Lancet** 2(8098):1042, 11 Nov 78
Childhood embryonal carcinoma of testes. Drago JR, et al. **Urology** 12(5):499–503, Nov 78
[Therapy of testicular neoplasms] Gropp C, et al. **Z Urol Nephrol** 71(9):617–22, Sep 78 (Eng. Abstr.) (Ger)

URINE

Serum alpha-fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Schultz H, et al.

Cancer 42(5):2182–6, Nov 78

TESTIS

ABNORMALITIES

Torsion of the mesorchium--the testis twisted upon the epididymis. Oka M, et al. **Br J Urol** 50(6):428, Oct 78

Angiography of the testicular artery as a diagnostic aid in boys with nonpalpable testis. Domellöf L, et al. **J Pediatr Surg** 13(6):534–6, Oct 78

Polyorchidism with normal spermatogenesis and equal sized testes: a theory of embryological development. Nocks BN. **J Urol** 120(5):638–40, Nov 78

Marker X chromosomes, mental retardation and macro-orchidism [letter] Turner G, et al. **N Engl J Med** 299(26):1472, 28 Dec 78

Nursing care study. Orchidopexy for bilateral ectopic testes: ensuring a five-year-old's future. Wales R. **Nurs Mirror** 147(20):36–8, 16 Nov 78

[Sertoli cell syndrome in men with aspermia and azoospermia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):332–9, 1978 (Eng. Abstr.) **(Bul)**

[Diagnostic possibilities of a biopsy study in men with testicular hypoplasia] Tsvetkov Ts, et al. **Akush Ginekol (Sofiia)** 17(5):343–8, 1978 (Eng. Abstr.) **(Bul)**

[A case of prune belly syndrome or agenesis of the abdominal muscles] Tripodi V, et al. **Arch Ostet Ginecol** 81(4–6):153–61, Jul–Dec 76 **(Ita)**

[Case of anorchism] Mędraś M, et al. **Pol Tyg Lek** 33(43):1693–4, 23 Oct 78 (Eng. Abstr.) **(Pol)**

THECA CELL TUMOR

COMPLICATIONS

Thecoma of the ovary with uterine myomatosis. Sane SY. **J Postgrad Med** 24(3):193–4, Jul 78

TURNER'S SYNDROME

Pregnancy and the Turner syndrome. King CR, et al. **Obstet Gynecol** 52(5):617–24, Nov 78

COMPLICATIONS

Iron malabsorption and hypochromic anemia in a case of Turner's syndrome. Miale T, et al. **Experientia** 34(9):1220, 15 Sep 78

Virilization in Turner syndrome. Fayez JA, et al. **Obstet Gynecol** 52(4):490–2, Oct 78

Accessory diaphragm in the left side. Kenanoglu A, et al. **Pediatr Radiol** 7(3):172–4, 26 Sep 78

[Tumor of dysgenetic gonads in females with Y chromosome] Boczkowski K. **Postepy Hig Med Dosw** 32(3):381–90, May–Jun 78 **(Pol)**

DIAGNOSIS

[Turner's syndrome in a newborn infant] Zižka J. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 21(3):225–9, 1978 (Eng. Abstr.) **(Cze)**

[Management of Turner's syndrome] Wemeau-Jacquemont C. **Lille Med** 23(8):561–6, Oct 78 **(Fre)**

DRUG THERAPY

Estrogen treatment of the young: summary and recommendations. **Pediatrics** 62(6 Pt 2):1216–7, Dec 78

Treatment of Turner's syndrome with estrogen. Levine LS. **Pediatrics** 62(6 Pt 2):1178–83, Dec 78

[Analysis of the results of the long-term estrogen therapy of gonadal dysgenesis] Savitskiĭ GA. **Akush Ginekol (Mosk)** (10):41–4, 1978 (Eng. Abstr.) **(Rus)**

[Growth effect of oxandrolone in patients with Turner's syndrome (author's transl)] Armendares S, et al. **Rev Invest Clin** 30(4):343–50, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Turner syndrome in the offspring of artificially inseminated pregnancies. King CR, et al. **Fertil Steril** 30(5):604–5, Nov 78

FAMILIAL & GENETIC

Male pseudohermaphroditism: genetics and clinical delineation. Simpson JL. **Hum Genet** 44(1):1–49, 19 Oct 78

Pregnancy and the Turner syndrome. King CR, et al. **Obstet Gynecol** 52(5):617–24, Nov 78

[Management of Turner's syndrome] Wemeau-Jacquemont C. **Lille Med** 23(8):561–6, Oct 78 **(Fre)**

[Karyological variants in Turner's syndrome] Zanoio L, et al. **Minerva Ginecol** 30(10):817–20, Oct 78 (Eng. Abstr.) **(Ita)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Sex steroid hormones and antibodies to Candida albicans. Mathur S, et al. **Clin Exp Immunol** 33(1):79–87, Jul 78

METABOLISM

Iron malabsorption and hypochromic anemia in a case of Turner's syndrome. Miale T, et al. **Experientia** 34(9):1220, 15 Sep 78

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

[Intractable renal and enteral loss of potassium in a case of Turner's syndrome (author's transl)] Kopsa H, et al. **Med Klin** 73(48):1700–3, 1 Dec 78 (Eng. Abstr.) **(Ger)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

PATHOLOGY

XY female: a case report of Mullerian and gonadal dysgenesis. Kasirajan N, et al. **J Assoc Physicians India** 26(6):543–5, Jun 78

Neoplastic potential of the dysgenetic gonad. Case report. Fayez JA, et al. **Mo Med** 75(11):564–6, Nov 78

Virilization in Turner syndrome. Fayez JA, et al. **Obstet Gynecol** 52(4):490–2, Oct 78

Pregnancy and the Turner syndrome. King CR, et al. **Obstet Gynecol** 52(5):617–24, Nov 78

PHYSIOPATHOLOGY

Bayley-Pinneau, Roche-Wainer-Thissen, and Tanner height predictions in normal children and in patients with various pathologic conditions. Zachmann M, et al. **J Pediatr** 93(5):749–55, Nov 78

XYY karyotype, female phenotype and gonadal dysgenesis. A case report. Grace HJ, et al. **S Afr Med J** 54(7):284–6, 12 Aug 78

RADIOGRAPHY

Pneumopelvigraphy in childhood. Lester PD, et al. **AJR** 131(4):607–12, Oct 78

THERAPY

[Management of Turner's syndrome] Wemeau-Jacquemont C. **Lille Med** 23(8):561–6, Oct 78 **(Fre)**

GONADS

III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ANABOLIC STEROIDS

[Anabolic steroids 1978] Frey H. **Tidsskr Nor Laegeforen** 98(33):1701–3, 30 Nov 78 **(Nor)**

ADVERSE EFFECTS

[Prevention in general practice: what is dangerous for liver cells?] Riemann JF. **Fortschr Med** 96(43):2197–202, 16 Nov 78 (Eng. Abstr.) **(Ger)**

[Anabolic steroids 1978] Frey H. **Tidsskr Nor Laegeforen** 98(33):1701–3, 30 Nov 78 **(Nor)**

[Lesions of the liver in polypragmasy (review of the literature)] Rudyk BI. **Vrach Delo** (10):95–100, Oct 78 (54 ref.) **(Rus)**

PHARMACODYNAMICS

[Non-enzymatic fibrinolytic agents] Nilsson IM, et al. **Ann Anesthesiol Fr** 19(8):697–702, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Non-enzymatic fibrinolytic agents] Nilsson IM, et al. **Ann Anesthesiol Fr** 19(8):697–702, 1978 (Eng. Abstr.) **(Fre)**

[Osteoporosis] Femppel J. **Fortschr Med** 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**

ANDROGEN ANTAGONISTS

Androgenic, synandrogenic, and antiandrogenic actions of progestins. Bullock LP, et al. **Ann NY Acad Sci** 286:321–30, 11 Mar 77

PHARMACODYNAMICS

Recent advances in the pharmacologic regulation of fertility in men. Barwin BN. **Can Med Assoc J** 119(7):757–9, 7 Oct 78

Suppression of sebaceous gland development in laboratory animals by 17alpha-propyltestosterone. Ferrari RA, et al. **J Invest Dermatol** 71(5):320–3, Nov 78

[Effects of an antitestosterone agent (cyproterone acetate) on sex behavior in man] Klotz HP. **Probl Actuels Endocrinol Nutr** (21):87–105, 1977 **(Fre)**

[Light and electron microscope studies of the morphology of A spermatogonia in men with normal spermatogenesis and in patients treated with antiandrogens] Schulze W. **Andrologia** 10(4):307–20, Jul–Aug 78 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Effects of an antitestosterone agent (cyproterone acetate) on sex behavior in man] Klotz HP. **Probl Actuels Endocrinol Nutr** (21):87–105, 1977 **(Fre)**

[Dermatologic indications for anti-androgenic treatment] Zaun H, et al. **Z Hautkr** 53(21):759–65, 1 Nov 78 (Eng. Abstr.) **(Ger)**

TOXICITY

[Effects of an antitestosterone agent (cyproterone acetate) on sex behavior in man] Klotz HP. **Probl Actuels Endocrinol Nutr** (21):87–105, 1977 **(Fre)**

ANDROGENS

ADMINISTRATION & DOSAGE

Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391–6, Aug 78

[Treatment of hereditary angioneurotic edema with androgens] Lagrue G, et al. **Nouv Presse Med** 7(33):2927–31, 30 Sep 78 (Eng. Abstr.) **(Fre)**

[Multidrug treatment of breast cancer according to the Manes method] Singer Z, et al. **Nowotwory** 28(3):263–8, Jul–Sep 78 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Toxicity of materials and medications used in dialysis. Kjellstrand CM, et al. **Trans Am Soc Artif Intern Organs** 24:764–9, 1978

ANALYSIS

An improved method for extraction and determination of prostate concentrations of endogenous androgens. Albert J, et al. **J Steroid Biochem** 9(8):717–20, Aug 78

BIOSYNTHESIS

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249–55, Sep 78

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez-Rigau LJ, et al. **Fertil Steril** 30(5):577–85, Nov 78

Testicular steroid biosynthesis by the green lizard Lacerta viridis. Hews EA, et al. **Gen Comp Endocrinol** 35(4):432–5, Aug 78

The source of androgenic activity in the African wood Funtumia latifolia: a steroid hormone formed by the action of Fusarium solani. Smith AJ, et al. **J Sci Food Agric** 29(9):783–7, Sep 78

Effect of bilateral cryptorchidism on the in vitro transformation of progesterone by testicular tissue at different stages of sexual maturation. Rager K, et al. **J Steroid Biochem** 6(11–12):1537–41, Nov–Dec 75

[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

BLOOD

Effects of FSH and LH administration on the testes and seminal vesicles. Bentley MJ, et al. **Andrologia** 10(5):357–61, Sep–Oct 78

Spironolactone therapy for hirsutism in a hyperandrogenic woman. Ober KP, et al. **Ann Intern Med** 89(5 Pt 1):643–4, Nov 78

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Effect of a single oral dose of oxymetholone on the metabolism of human erythrocytes. Molinari PF, et al. **Exp Hematol** 6(8):648–54, Sep 78

Diagnostic approach to the hirsute patient. Genazzani AR, et al. **Horm Res** 9(6):379–93, 1978

Sensation seeking and gonadal hormones. Daitzman RJ, et al. **J Biosoc Sci** 10(4):401–8, Oct 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134–7, Dec 78

Measurements of prolactin and androgens in patients with prostatic disease. Saroff J, et al. **Surg Forum** 28:568–9, 1977

CHEMICAL SYNTHESIS

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519–27, Nov 78

IMMUNOLOGY

Androgen therapy of aplastic anaemia. Gardner FH. **Clin Haematol** 7(3):571–85, Oct 78 (65 ref.)

ISOLATION & PURIFICATION

The source of androgenic activity in the African wood Funtumia latifolia: a steroid hormone formed by the action of Fusarium solani. Smith AJ, et al. **J Sci Food Agric** 29(9):783–7, Sep 78

METABOLISM

Diet and breast cancer: a review. Hankin JH, et al. **Am J Clin Nutr** 31(11):2005–16, Nov 78 (91 ref.)

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Progesterone and progestins in the male reproductive system. Terner C. **Ann NY Acad Sci** 286:313–20, 11 Mar 77

Activity and androgenic control of enzymes associated with the tricarboxylic acid cycle, lipid oxidation and mitochondrial shuttles in the epididymis and epididymal spermatozoa of the rat. Brooks DE. **Biochem J** 174(3):741–52, 15 Sep 78

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Androgen therapy of aplastic anaemia. Gardner FH. **Clin Haematol** 7(3):571–85, Oct 78 (65 ref.)

Identification of the possible significance of prolactin in human reproduction. Tyson JE, et al. **Clin Obstet Gynaecol** 5(2):411–34, Aug 78 (129 ref.)

Experimental approach to the study of semen and male reproductive function. Mann T. **Int J Fertil** 23(2):133–7, 1978

Cellular regulation of the metabolism of androgens in rat oral mucosa: I. Effect of medroxyprogesterone acetate (MPA) on the soluble supernatant (cytosol) activating microsomal delta4–3–ketosteroid–5alpha–reductase and 17beta–hydroxysteroid oxidoreductase enzyme systems. Vittek J, et al. **J Dent Res** 57(11–12):1016–8, Nov–Dec 78

Transformation of C18–, C19– and C21–steroids by cultures of Candida albicans. Ghraf R, et al. **J Steroid Biochem** 6(11–12):1531–6, Nov–Dec 75

Correlation of in vivo and in vitro activities of some naturally occurring androgens using a radioreceptor assay for 5alpha–dihydrotestosterone with rat prostate cytosol receptor protein. Grover PK, et al. **J Steroid Biochem** 6(10):1373–9, Oct 75

Metabolism of androgens and estrogens by human fecal microorganisms. Lombardi P, et al. **J Steroid Biochem** 9(8):795–801, Aug 78

Androgens in testes and adrenal glands of the fetal pig. Segal DH, et al. **J Steroid Biochem** 6(10):1439–44, Oct 75

Improved synthesis of 16alpha–hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519–27, Nov 78

Androgen metabolism in sheep. Yamamoto Y, et al. **Steroids** 32(3):373–88, Oct 78

[Estradiol metabolism in normal and cirrhotic rat liver. I. Estradiol metabolism in perfused liver and in liver sections] Lacroix E, et al. **Verh K Acad Geneeskd Belg** 40(4):269–316, 1978 **(Dut)**

[Testicular neoplasms: New endocrinologic and clinical results] Jacobi GH. **Urologe [A]** 17(6):399–401, Nov 78 **(Ger)**

PHARMACODYNAMICS

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

The pars nervosa is a target for androgen in the mouse. Sheridan PJ. **Biol Reprod** 19(3):657–60, Oct 78

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555–69, Oct 78 (71 ref.)

Pleiotypic effects of hormones [news] Shields R. **Nature** 276(5687):440–1, 30 Nov 78

Effects of hormones in the newborn period on the development of the penis. Rajfer J, et al. **Surg Forum** 28:570–3, 1977

[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. 1. Bones and hematopoiesis, hematopoiesis and kidney––effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273–6, 1 Dec 78 **(Ger)**

PHYSIOLOGY

Activity and androgenic control of enzymes associated with the tricarboxylic acid cycle, lipid oxidation and mitochondrial shuttles in the epididymis and epididymal spermatozoa of the rat. Brooks DE. **Biochem J** 174(3):741–52, 15 Sep 78

Testicular descent. Rajfer J, et al. **Birth Defects** 13(2):107–22, 1977 (52 ref.)

Enzymic properties and effects of androgen on nuclear histone phosphatase activity of rat ventral prostate. Wilson MJ, et al. **Exp Cell Res** 117(1):71–8, Nov 78

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

Hormone–dependent brain differentiation and sexual behavior animal experiment. Dörner G. **Probl Actuels Endocrinol Nutr** (21):7–11, 1977

Effects of hormones in the newborn period on the development of the penis. Rajfer J, et al. **Surg Forum** 28:570–3, 1977

SECRETION

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

THERAPEUTIC USE

Severe aplastic anaemia: a prospective study of the effect of androgens or transplantation on haematological recovery and survival. Camitta BM, et al. **Clin Haematol** 7(3):587–95, Oct 78

Androgen therapy of aplastic anaemia. Gardner FH. **Clin Haematol** 7(3):571–85, Oct 78 (65 ref.)

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Treatment of severe aplastic anemia with antilymphocyte globulin and androgens. Gluckman E, et al. **Exp Hematol** 6(8):679–87, Sep 78

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)

[Treatment of hereditary angioneurotic edema with androgens] Lagrue G, et al. **Nouv Presse Med** 7(33):2927–31, 30 Sep 78 (Eng. Abstr.) **(Fre)**

[The molecular expression of C1 esterase inhibitor in hereditary angioneurotic oedema. Study of 32 families (author's transl)] Ollier MP, et al. **Nouv Presse Med** 7(33):2933–8, 30 Sep 78 (Eng. Abstr.) **(Fre)**

[Treatment procedures in myelofibrosis] Klimova NF. **Probl Gematol Pereliv Krovi** 23(11):31–5, 1978 **(Rus)**

URINE

The excretion of steroids by the adult marmoset monkey (Callithrix jacchus). Shackleton CH. **J Steroid Biochem** 6(10):1429–32, Oct 75

Androgen metabolism in sheep. Yamamoto Y, et al. **Steroids** 32(3):373–88, Oct 78

[Gonadotropic and androgenic functions in myocardial infarct] Tuev AV, et al. **Klin Med (Mosk)** 56(10):53–5, Oct 78 **(Rus)**

[Excretion of androgens, corticosteroid content of blood and pulmonary hypertension in severe course of bronchial asthma after remission] Pribylova NN. **Ter Arkh** 50(11):95–8, 1978 (Eng. Abstr.) **(Rus)**

ANDROSTANES

METABOLISM

Androgen dependence of rat prostatic 3alpha–hydroxysteroid dehydrogenase. Massa R, et al. **J Endocrinol** 79(1):143–4, Oct 78

In vivo metabolism of 3H–dihydrotestosterone and 3H–androstanediol in adult male rats. Van Doorn EJ, et al. **J Steroid Biochem** 6(11–12):1549–54, Nov–Dec 75

Disposition of ORF 9326, a novel contragestational steroid, in animals. Patrick JE, et al. **Steroids** 32(2):147–56, Sep 78

PHARMACODYNAMICS

Effects of 5alpha–androstane–3beta,17beta–diol and 5beta–dihydrotestosterone on acid phosphatase activity in the prostate gland of the castrated adult rat. Tenniswood MP, et al. **J Endocrinol** 79(1):9–16, Oct 78

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257–67, Sep 78

URINE

Disposition of ORF 9326, a novel contragestational steroid, in animals. Patrick JE, et al. **Steroids** 32(2):147–56, Sep 78

ANDROSTENES

THERAPEUTIC USE

[Androgen therapy of incurable breast neoplasms. Controlled clinical study: nandrolone-testololactone-drostanolone] Wolff G, et al. **Onkologie** 1(4):172–4, Aug 78 (Eng. Abstr.) **(Ger)**

ANDROSTENOLS

PHARMACODYNAMICS

Interceptive activity of azastene in rhesus monkeys. Schane HP, et al. **Fertil Steril** 30(3):343–7, Sep 78

URINE

Identification of the androstenetriolones and androstenetetrols present in the urine of infants. Shackleton CH, et al. **J Steroid Biochem** 6(10):1393–9, Oct 75

CHLORMADINONE

THERAPEUTIC USE

[Dermatologic indications for anti-androgenic treatment] Zaun H, et al. **Z Hautkr** 53(21):759–65, 1 Nov 78 (Eng. Abstr.) **(Ger)**

CLOMIPHENE

ADMINISTRATION & DOSAGE

Anencephaly and clomiphene-induced pregnancy. Biale Y, et al. **Acta Obstet Gynecol Scand** 57(5):483–4, 1978

Continued clinical experience with an increasing dosage regimen of clomiphene citrate administration. Drake TS, et al. **Fertil Steril** 30(3):274–7, Sep 78

[The hormonal dynamics picture of tamoxifen treatment cases, in comparison of clomid treatment cases (author's transl)] Tajima C, et al. **Nippon Funin Gakkai Zasshi** 23(4):398–404, Oct 78 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Anencephaly and clomiphene-induced pregnancy. Biale Y, et al. **Acta Obstet Gynecol Scand** 57(5):483–4, 1978

DIAGNOSTIC USE

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

Galactorrhoea-amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Tolis G. **Clin Endocrinol (Oxf)** 6 Suppl:81S–89S, 1977

Estrogen treatment of girls with constitutional tall stature. Bierich JR. **Pediatrics** 62(6 Pt 2):1196–201, Dec 78

[12 cases of polycystic ovary type 1 (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep-Oct 78

Oestrogen amplification of LH-RH response in the polycystic ovary syndrome and response to clomiphene. Kandeel FR, et al. **Clin Endocrinol (Oxf)** 9(5):429–41, Nov 78

Continued clinical experience with an increasing dosage regimen of clomiphene citrate administration. Drake TS, et al. **Fertil Steril** 30(3):274–7, Sep 78

Statistical findings on the effects of fertility drugs on plural births. Wyshak G. **Prog Clin Biol Res** 24 Pt B:17–33, 1978

[New data on the mechanism of action of clomiphene (news)] Presl J. **Cesk Gynekol** 43(9):717–8, Nov 78 **(Cze)**

[Oestrogens and clinical supervision: criterion of the hypothalamo-hypophyseal response to clomiphen citrate (proceedings) (author's transl)] Levrier M, et al. **Ann Endocrinol (Paris)** 39(3):261–2, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Selection and pretreatment evaluation of patients treated with human menopausal gonadotropins. Mishell DR Jr. **J Reprod Med** 21(3 Suppl):191–3, Sep 78

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

[Encephalographic records in women with functional anovulatory sterility (author's transl)] Dvořák K, et al. **Cesk Gynekol** 43(9):681–7, Nov 78 (Eng. Abstr.) **(Cze)**

[Oestrogens and clinical supervision: criterion of the hypothalamo-hypophyseal response to clomiphen citrate (proceedings) (author's transl)] Levrier M, et al. **Ann Endocrinol (Paris)** 39(3):261–2, 1978 (Eng. Abstr.) **(Fre)**

[12 cases of polycystic ovary type 1 (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

[Combined drug therapy with mesterolone-clomiphene citrate in oligospermia] Meili HU, et al. **Helv Chir Acta** 44(3):373–6, Jun 77 **(Ger)**

[Causes and therapy of female sterility] Lehmann V. **Schwest Rev** 16(11):12–5, 15 Nov 78 **(Ger)**

[The hormonal dynamics picture of tamoxifen treatment cases, in comparison of clomid treatment cases (author's transl)] Tajima C, et al. **Nippon Funin Gakkai Zasshi** 23(4):398–404, Oct 78 (Eng. Abstr.) **(Jpn)**

[Clinical values of selected technics of ovulation diagnosis during treatment of functional sterility with clomiphene] Dudkiewicz J, et al. **Ginekol Pol** 49(8):697–705, Aug 78 (Eng. Abstr.) **(Pol)**

[Therapeutic effect of clomiphene in hormonal sterility of varying origin] Baranov VG, et al. **Akush Ginekol (Mosk)** (10):9–13, 1978 (Eng. Abstr.) **(Rus)**

[Use of blockers and stimulators of prolactin secretion in the syndrome of persistent lactorrhea--amenorrhea] Starkova NT, et al. **Probl Endokrinol (Mosk)** 24(6):42–7, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

CONTRACEPTIVES, ORAL

Genital herpesvirus infection in women attending a venereal diseases clinic. Willmott FE, et al. **Br J Vener Dis** 54(5):341–3, Oct 78

Erythrocyte membrane (Na^+, K^+) and (Mg^{++}, Ca^{++}) activated adenosine triphosphatases in women using oral contraceptives--a preliminary report. Kaplay SS, et al. **Contraception** 18(3):287–93, Sep 78

Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Morigi EM, et al. **Curr Med Res Opin** 5(8):655–62, 1978

Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78

Contraceptive compliance in family medicine: a comparison of the family physician and the family planning clinics. Hoyos MD, et al. **J Fam Pract** 7(5):961–5, Nov 78

Contraceptives and the young: present status and future prospects. Segal SJ. **Pediatrics** 62(6 Pt 2):1211–5, Dec 78

[Progestins and oral contraception. The role of progestins alone before the uncertainties and perspectives of oral contraception (interview)] Mauvais-Jarvis P. **Concours Med** 100(43):7125–30, 25 Nov 78 **(Fre)**

[Which contraceptive to choose at age 40?] **Infirm Fr** (199):21–5, Nov 78 **(Fre)**

[Contraception before pregnancy. Evolution between 1972 and 1975 in the Rhone-Alpes region (author's transl)] Blondel B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):767–78, May-Jun 78 (Eng. Abstr.) **(Fre)**

[Post-pill amenorrhea and menarche] Wenderlein JM. **Fortschr Med** 96(44):2243–8, 23 Nov 78 (Eng. Abstr.) **(Ger)**

[Use and abuse of the minipill in adolescence] Maranzana A. **Minerva Med** 69(46):3180–2, 30 Sep 78 **(Ita)**

[Advantages and risks of different contraceptives] Westerholm B. **Lakartidningen** 75(45):4123–4, 8 Nov 78 **(Swe)**

ADMINISTRATION & DOSAGE

Starting on the pill [letter] Phillips C, et al. **Br Med J** 2(6143):1021–2, 7 Oct 78

Variations in serum protein fractions following a continuous long term intake of eugynon and lyndiol by Iranian women. Kamyab S, et al. **J Steroid Biochem** 9(8):811–2, Aug 78

Duration of breast-feeding after early initiation and frequent feeding. Salariya EM, et al. **Lancet** 2(8100):1141–3, 25 Nov 78

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Atherothrombology. Wessler S. **Adv Exp Med Biol** 104:409–17, 1978

Elevations in serum copper, erythrocytic copper, and ceruloplasmin concentrations in smokers. Davidoff GN, et al. **Am J Clin Pathol** 70(5):790–2, Nov 78

Chorea complicating oral contraceptive therapy. Case report and review of the literature. Pulsinelli WA, et al. **Am J Med** 65(3):557–9, Sep 78

Focal nodular hyperplasia of the liver and oral contraceptives. Kinch R, et al. **Am J Obstet Gynecol** 132(7):717–27, 1 Dec 78

Effect of oral contraceptives on tear production. Frankel SH, et al. **Ann Ophthalmol** 10(11):1585–8, Nov 78

Oral contraceptives--possible mediation of side effects via an estrogen receptor in liver. Eisenfeld AJ, et al. **Biochem Pharmacol** 27(22):2571–5, 1978

Hypertension and oral contraceptives [letter] Crane MG, et al. **Br Med J** 2(6145):1165, 21 Oct 78

Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Morigi EM, et al. **Curr Med Res Opin** 5(8):655–62, 1978

Depression and oral contraceptives: the role of pyridoxine. **Drug Ther Bull** 16(22):86–7, 27 Oct 78

Oral contraceptives and breast disease in premenopausal Northern Albertan women. Lees AW, et al. **Int J Cancer** 22(6):700–7, Dec 78

Complications of the new contraceptive preparations. Clinch J. **Ir Med J** 71(15):513–4, 31 Oct 78

Considerations in the management of patients taking oral contraceptives. Kennon S, et al. **J Am Dent Assoc** 97(4):641–3, Oct 78

Stratified analysis of case-control studies with the factor under study taking multiple values. Hill AP, et al. **J Chronic Dis** 31(8):547–55, 1978

Adverse drug reactions in a disadvantaged population. Campbell WH, et al. **J Community Health** 3(3):205–15, Spring 78

Review of factors contributing to dry socket through enhanced fibrinolysis. Catellani JE. **J Oral Surg** 37(1):42–6, Jan 79 (30 ref.)

Effect of oral contraceptive therapy on gingival inflammation in humans. Kalkwarf KL. **J Periodontol** 49(11):560–3, Nov 78

Drug-induced pulmonary disease. Rosenow EC 3d. **J Pract Nurs** 29(1):23–6, 43, Jan 79

Contraceptive counselor's dilemma: safety or effectiveness? Cooperman C, et al. **J Sex Res** 14(3):145–50, Aug 78

Oral contraceptive steroids and dysplasia and carcinoma of the cervix uteri. Diddle AW, et al. **J Tenn Med Assoc** 71(10):725–7, 740, Oct 78

Myocardial infarction and other vascular diseases in young women. Role of estrogens and other factors. Jick H, et al. **JAMA** 240(23):2548–52, 1 Dec 78

Patient attitudes about two forms of printed oral contraceptive information. Mazis M, et al. **Med Care** 16(12):1045–54, Dec 78

Acquired colour losses and oral contraceptives. Lakowski R, et al. **Mod Probl Ophthalmol** 19:314–8, 1978

Maternal progestins as a possible cause of hypospadias. Aarskog D. **N Engl J Med** 300(2):75–8, 11 Jan 79 (40 ref.)

Risk factors for the development of cholelithiasis in man (second of two parts). Bennion LJ, et al. **N Engl J Med** 299(22):1221–7, 30 Nov 78 (92 ref.)

Oral contraceptives and birth defects [letter] Bross ID. **N Engl J Med** 300(1):47, 4 Jan 79

Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091–7, Dec 78

Pill findings confirmed. **People** 5(4):41, 1978

What's new in ocular toxicology? Fraunfelder FT. **Sight Sav Rev** 48(2):53–8, Summer 78

Continued use of contraception among Philippine family planning acceptors: a multivariate analysis. Phillips JF. **Stud Fam Plann** 9(7):182–92, Jul 78

[Condylomata, hormonal contraceptives and candidiasis--and their interrelationships in women attending a clinic for veneral diseases] Jepsen LV, et al. **Ugeskr Laeger** 140(49):3054–6, 4 Dec 78 (Eng. Abstr.) **(Dan)**

[The pill...until when?] Wibaut FP, et al. **Ned Tijdschr Geneeskd** 122(49):1926–32, 9 Dec 78 **(Dut)**

[Myocardial infarct before the age of 36: 20 cases] Benacerraf A, et al. **Arch Mal Coeur** 71(7):756–64, Jul 78 (Eng. Abstr.) **(Fre)**

[Precautions to note before prescribing an oral contraceptive] Rozenbaum H. **Concours Med** 100(35):5519–23, 30 Sep 78 **(Fre)**

[Amenorrhea after stopping oral contraceptives: national investigation] Wiel-Masson D, et al. **Gynecologie** 29(4):359–64, 1978 **(Fre)**

[Oral contraception: uncertainties and prospects] Mauvais-Jarvis P. **Rev Prat** 28(41):3143–6, 3149–50, 3153–6, 21 Sep 78 (Eng. Abstr.) **(Fre)**

[Liver tumors and oral contraceptives] Gonvers JJ, et al. **Schweiz Med Wochenschr** 108(48):1899–901, 2 Dec 78 (Eng. Abstr.) **(Fre)**

[Inner ear disturbance following long-term usage of hormonal contraceptives (author's transl)] Okulicz G. **HNO** 26(10):330–4, Oct 78 (Eng. Abstr.) **(Ger)**

[Risk of cancer caused by the pill? (news)] **Med Klin** 73(43):4, 27 Oct 78 **(Ger)**

[Mesenteric venous thrombosis and oral contraceptives (author's transl)] Dzieniszewski GP, et al. **Med Klin** 73(46):1627–32, 17 Nov 78 (Eng. Abstr.) **(Ger)**

[Ophthalmologic complications during use of oral contraceptives] Dame WR, et al. **Med Welt** 29(51–52):2022–6, 22 Dec 78 **(Ger)**

[More myomas caused by oral contraceptives? (letter)] Eder M. **MMW** 120(50):1662, 8 Dec 78 **(Ger)**

[Postcontraceptive acne] Amann W. **ZFA (Stuttgart)** 54(35–36):1809–12, 20 Dec 78 **(Ger)**

[Liver adenoma, causing fatal abdominal hemorrhage, after prolonged administration of oral contraceptives] Lukács J, et al. **Morphol Igazsagugyi Orv Sz** 18(3):228–11, Jul 78 (Eng. Abstr.) **(Hun)**

[Concentration of bilirubin in the neonatal stage in relation to the use of contraceptives] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 36(1):1–7, Jan-Feb 79 (Eng. Abstr.) **(Spa)**

[Advantages and risks of different contraceptives] Westerholm B. **Lakartidningen** 75(45):4123–4, 8 Nov 78 **(Swe)**

ANALYSIS

Gas-liquid chromatographic analysis of lynestrenol in contraceptive tablets. Rizk M, et al. **Pharmazie** 33(8):521–2, Aug 78

METABOLISM

Leukocyte alkaline phosphatase. Okun DB, et al. **Am J Hematol** 4(3):293–9, 1978 (56 ref.)

[Effect of hormonal contraception on the fibrin-stabilizing factor (factor XIII)] Brandt M, et al. **Zentralbl Gynaekol** 100(17):1089–92, 1978 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of oral contraceptives on tear production. Frankel SH, et al. **Ann Ophthalmol** 10(11):1585–8, Nov 78

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Vitamin E status of young women on combined-type oral contraceptives. Tangney CC, et al. **Contraception** 17(6):499–512, Jun 78

The effects of a once-a-week steroid contraceptive (R2323) on lipid and carbohydrate metabolism in women during three months of use. Spellacy WN, et al. **Fertil Steril** 30(3):289–92, Sep 78

Premenstrual tension: a study using the Moos Menstrual Questionnaire. Rouse P. **J Psychosom Res** 22(3):215–22, 1978

From the NIH: Oral contraceptive use no protection against cancer risk-associated fibrocystic breast disease. **JAMA** 241(1):24, 5 Jan 79

The effect of physical training on the serum iron levels of college-age women. Wirth JC, et al. **Med Sci Sports** 10(3):223–6, Fall 78

Metabolic sequelae of oral contraceptives. Briggs M. **Mod Med Asia** 14(10):7–10, Oct 78

The physiological interrelationships between depression, drugs, and sexuality. Watts RJ. **Nurs Forum** 17(2):168–83, 1978

Oral contraceptive estrogen and plasma lipid levels. Hedlin A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571–4, Nov 78

Oral contraceptive use alters the balance of platelet prostaglandin and thromboxane synthesis. Schorer AE, et

al. **Prostaglandins Med** 1(1):5–11, Jul 78

The influence of age, sex, and the use of oral contraceptives on the inhibitory effects of endothelial cells and PGI2 (prostacyclin) on platelet function. Nordøy A, et al. **Scand J Haematol** 21(3):177–87, Sep 78

Serum vitamin B12 and B12-binding protein levels associated with oral contraceptives. Costanzi JJ, et al. **Tex Rep Biol Med** 36:69–77, 1978

[Changes in carbohydrate metabolism brought about by combined oral contraceptives] De Oliveira MH, et al. **Gynecologie** 29(4):403–7, 1978 **(Fre)**

[Preliminary results of a new radioimmunoassay for thyroxine binding globulin (T.B.G.) (author's transl)] Bisset JP, et al. **Nouv Presse Med** 7(32):2841–4, 23 Sep 78 (Eng. Abstr.) **(Fre)**

[Prolonged pregnancy after hormonal contraception] Thalmann K, et al. **Dtsch Gesundheitsw** 33(41):1942–4, 1978 (Eng. Abstr.) **(Ger)**

[Isotope nephrographic studies during hormonal contraception using Depositon] Voigt R, et al. **Zentralbl Gynaekol** 100(20):1338–42, 1978 (Eng. Abstr.) **(Ger)**

[Morphofunctional changes of the ovary after hormonal contraception] Portuondo JA, et al. **Acta Ginecol (Madr)** 33(3):39–47, 1 Sep 78 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091–7, Dec 78

Estrogen treatment of teenage girls in the United States: description of the treated population. Rooks JB. **Pediatrics** 62(6 Pt 2):1098–103, Dec 78

CONTRACEPTIVES, ORAL, HORMONAL

Continuing education examination article. Estrogen therapy. Kim MH, et al. **Ohio State Med J** 74(11):691–706, Nov 78

[Contraception] Lebech PE. **Ugeskr Laeger** 140(49):3069–72, 4 Dec 78 **(Dan)**

[Post-pill amenorrhea and menarche] Wenderlein JM. **Fortschr Med** 96(44):2243–8, 23 Nov 78 (Eng. Abstr.) **(Ger)**

[Effect of chemotherapy agents and antibiotics on hormonal contraception] Hempel E, et al. **Z Aerztl Fortbild (Jena)** 72(19):924–6, 1 Oct 78 **(Ger)**

ADMINISTRATION & DOSAGE

[Isotope nephrographic studies during hormonal contraception using Depositon] Voigt R, et al. **Zentralbl Gynaekol** 100(20):1338–42, 1978 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Focal nodular hyperplasia of the liver and oral contraceptives. Kinch R, et al. **Am J Obstet Gynecol** 132(7):717–27, 1 Dec 78

Oral contraceptives--possible mediation of side effects via an estrogen receptor in liver. Eisenfeld AJ, et al. **Biochem Pharmacol** 27(22):2571–5, 1978

[Condylomata, hormonal contraceptives and candidiasis--and their interrelationships in women attending a clinic for veneral diseases] Jepsen LV, et al. **Ugeskr Laeger** 140(49):3054–6, 4 Dec 78 (Eng. Abstr.) **(Dan)**

[Liver tumors and oral contraceptives] Gonvers JJ, et al. **Schweiz Med Wochenschr** 108(48):1899–901, 2 Dec 78 (Eng. Abstr.) **(Fre)**

[Effect of sex hormones on hemostasis] Andrassy K. **Fortschr Med** 96(40):2019–21, 26 Oct 78 **(Ger)**

[Prevention in general practice: what is dangerous for liver cells?] Riemann JF. **Fortschr Med** 96(43):2197–202, 16 Nov 78 (Eng. Abstr.) **(Ger)**

[Inner ear disturbance following long-term usage of hormonal contraceptives (author's transl)] Okulicz G. **HNO** 26(10):330–4, Oct 78 (Eng. Abstr.) **(Ger)**

[Risk of cancer caused by the pill? (news)] **Med Klin** 73(43):4, 27 Oct 78 **(Ger)**

[Ophthalmologic complications during use of oral contraceptives] Dame WR, et al. **Med Welt** 29(51–52):2022–6, 22 Dec 78 **(Ger)**

[Toxic liver lesions caused by alcohol and chemicals] Keiner F. **Med Welt** 29(51–52):2004–10, 22 Dec 78 **(Ger)**

[More myomas caused by oral contraceptives? (letter)] Eder M. **MMW** 120(50):1662, 8 Dec 78 **(Ger)**

[Postcontraceptive acne] Amann W. **ZFA (Stuttgart)** 54(35–36):1809–12, 20 Dec 78 **(Ger)**

[Liver adenoma, causing fatal abdominal hemorrhage, after prolonged administration of oral contraceptives] Lukács J, et al. **Morphol Igazsagugyi Orv Sz** 18(3):228–11, Jul 78 (Eng. Abstr.) **(Hun)**

METABOLISM

[Effect of hormonal contraception on the fibrin-stabilizing factor (factor XIII)] Brandt M, et al. **Zentralbl Gynaekol** 100(17):1089–92, 1978 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Plasma sex hormone binding globulin and oestrogen therapy [proceedings] Jequier AM, et al. **Br J Pharmacol** 64(3):456P, Nov 78

[Prolonged pregnancy after hormonal contraception] Thalmann K, et al. **Dtsch Gesundheitsw** 33(41):1942–4, 1978 (Eng. Abstr.) **(Ger)**

[Isotope nephrographic studies during hormonal contraception using Depositon] Voigt R, et al. **Zentralbl Gynaekol** 100(20):1338–42, 1978 (Eng. Abstr.) **(Ger)**

[Morphofunctional changes of the ovary after hormonal contraception] Portuondo JA, et al. **Acta Ginecol (Madr)** 33(3):39–47, 1 Sep 78 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

[Use of blockers and stimulators of prolactin secretion in the syndrome of persistent lactorrhea--amenorrhea] Starkova NT, et al. **Probl Endokrinol (Mosk)** 24(6):42–7, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

CONTRACEPTIVES, POSTCOITAL

The anti-reproductive pharmacology of LH-RH and agonistic analogues. Corbin A, et al. **Int J Fertil** 23(2):81–92, 1978

[Contraception] Lebech PE. **Ugeskr Laeger** 140(49):3069–72, 4 Dec 78 **(Dan)**

THERAPEUTIC USE

[Abortion induction in early pregnancy using prostin F2 alpha and 15(S)-15-methyl PGF 2 alpha] Seifert B, et al. **Zentralbl Gynaekol** 100(19):1266–71, 1978 (Eng. Abstr.) **(Ger)**

CYPROTERONE

ADMINISTRATION & DOSAGE

[Comparative in vitro studies on the release and penetration of locally applied cyproterone acetate] Kotwas J, et al. **Pharmazie** 33(10):671–3, Oct 78 **(Ger)**

ADVERSE EFFECTS

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449–54, 1978

METABOLISM

[Comparative in vitro studies on the release and penetration of locally applied cyproterone acetate] Kotwas J, et al. **Pharmazie** 33(10):671–3, Oct 78 **(Ger)**

PHARMACODYNAMICS

Alterations in polyamines and nucleic acids in the rat ventral prostate during cyproterone acetate treatment and subsequent withdrawal. Tsang BK, et al. **Can J Physiol Pharmacol** 56(5):785–91, Oct 78

Effect of cyproterone acetate on the production of the estrusinducing pheromone in the wild mouse. Pandey SD, et al. **Indian J Exp Biol** 16(8):887–9, Aug 78

Sexual difference in the effect of cyproterone acetate and glucocorticoids on alpha2u-globulin in gonadectomized rats. Vandoren G, et al. **J Endocrinol** 79(1):135–6, Oct 78

Sex and drugs. Renshaw DC. **S Afr Med J** 54(8):322–6, 19 Aug 78

Behavioural and physiological effects of testosterone propionate and cyproterone acetate in immature male domestic ducks, Anas platyrhynchos. Balthazart J. **Z Tierpsychol** 47(4):410–21, Aug 78

[Effects of an antitestosterone agent (cyproterone acetate) on sex behavior in man] Klotz HP.
Probl Actuels Endocrinol Nutr (21):87–105, 1977 **(Fre)**

THERAPEUTIC USE

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449–54, 1978
Medical treatment of baldness. Orentreich N.
Ann Plast Surg 1(1):116–8, Jan 78
Laughing seizures and precocious puberty (case report and review of the literature). Penfold JL, et al.
Aust Paediatr J 14(3):185–90, Sep 78
An assessment of (1) cyproterone acetate and (2) ethinyl oestradiol and lynoestrenol (Minilyn) in the treatment of idiopathic hirsutism. Anderson JA. **Br J Dermatol** 99(5):545–52, Nov 78
[Effects of an antitestosterone agent (cyproterone acetate) on sex behavior in man] Klotz HP.
Probl Actuels Endocrinol Nutr (21):87–105, 1977 **(Fre)**
[Dermatologic indications for anti-androgenic treatment] Zaun H, et al. **Z Hautkr** 53(21):759–65, 1 Nov 78 (Eng. Abstr.) **(Ger)**

TOXICITY

[Effects of an antitestosterone agent (cyproterone acetate) on sex behavior in man] Klotz HP.
Probl Actuels Endocrinol Nutr (21):87–105, 1977 **(Fre)**

DIETHYLSTILBESTROL

Complications of prenatal therapy with diethylstilbestrol. Herbst AL, et al. **Pediatrics** 62(6 Pt 2):1151–9, Dec 78
[Dynamics of changes in the concentration of estradiol receptors in the cytosol of rat female hypothalamus during postnatal development] Babichev VN, et al.
Probl Endokrinol (Mosk) 24(6):55–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al. **Cancer** 42(4):1720–9, Oct 78
[Experimental studies of the distribution of intravenously injected iodine-labeled cytonal (diethylstilbestrol diphosphate)] Mende T, et al. **Z Urol Nephrol** 71(8):529–34, Aug 78 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin–aldosterone system. Crane MG, et al.
Am J Med Sci 276(1):33–55, Jul–Aug 78
Vaginal and cervical squamous cell dysplasia in women exposed to diethylstilbestrol in utero. Burke L, et al.
Am J Obstet Gynecol 132(5):537–44, 1 Nov 78
Estrogen-induced porphyria cutanea tarda complicating treatment of prostatic carcinoma. Weimar VM, et al.
J Urol 120(5):643–4, Nov 78
Endometrial cancer and estrogen use. Report of a large case–control study. Antunes CM, et al. **N Engl J Med** 300(1):9–13, 4 Jan 79
Comparison of histologic and colposcopic findings in DES-exposed females. Welch WR, et al. **Obstet Gynecol** 52(4):457–61, Oct 78
Pathology of prenatal diethylstilbestrol exposure. Welch WR, et al. **Pathol Annu** 13(Pt. 1):201–16, 1978 (33 ref.)
Estrogen treatment of the young: summary and recommendations. **Pediatrics** 62(6 Pt 2):1216–7, Dec 78
Complications of prenatal therapy with diethylstilbestrol. Herbst AL, et al. **Pediatrics** 62(6 Pt 2):1151–9, Dec 78
Effect of prenatal estrogen exposure on male genitalia. Mills JL, et al. **Pediatrics** 62(6 Pt 2):1160–65, Dec 78
Surgeon general seeks physicians' help in DES alert [news] **Science** 203(4376):159, 12 Jan 79
[Early acute mesenteric and coronary ischemia during treatment of prostatic cancer by estrogens. 2 cases] Vinceneux P, et al. **Ann Med Interne (Paris)** 129(8–9):519–22, Aug–Sep 78 **(Fre)**
[Endocervical form of the vaginal adenosis (author's transl)] Walz KA, et al. **Arch Gynaekol** 225(4):293–303, 18 Oct 78 (Eng. Abstr.) **(Ger)**

ANALYSIS

Use of mass spectrometry for confirmation of animal drug residues. Sphon JA. **J Assoc Off Anal Chem** 61(5):1247–52, Sep 78

BLOOD

Absorption and glucuronylation of diethylstilbestrol by the rat small intestine. Lasker J, et al. **Xenobiotica** 8(11):665–72, Nov 78
[Experimental studies of the distribution of intravenously injected iodine-labeled cytonal (diethylstilbestrol diphosphate)] Mende T, et al. **Z Urol Nephrol** 71(8):529–34, Aug 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Diethylstilbestrol: a review of its toxicity and use as a growth promotant in food-producing animals. McMartin KE, et al.
J Environ Pathol Toxicol 1(3):279–313, Jan–Feb 78 (164 ref.)
Is diethylstilbestrol bioactivated through peroxidase-mediated oxidation? Metzler M, et al. **J Environ Pathol Toxicol** 1(4):531–3, Mar–Apr 78
Absorption and glucuronylation of diethylstilbestrol by the rat small intestine. Lasker J, et al. **Xenobiotica** 8(11):665–72, Nov 78
[Role of guanidine groups of glutamate dehydrogenase arginine residues in the binding of sex hormones] Titova GV, et al. **Biokhimiia** 43(9):1670–3, Sep 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Factors that influence steroid induction of endometrial glycogenesis in organ culture. Demers LM, et al.
Ann NY Acad Sci 286:249–59, 11 Mar 77
Significance of the progesterone receptor in the estrogen-induced and -dependent renal tumor of the Syrian golden hamster. Li SA, et al. **Ann NY Acad Sci** 286:369–83, 11 Mar 77
Uptake of labelled free and esterified cholesterol from plasma by the aortic intima--media tissue measured in vivo in three animal species. Stender S, et al. **Atherosclerosis** 31(3):279–93, Nov 78
Alterations of the antibody response following in utero exposure to diethylstilbestrol. Luster MI, et al.
Bull Environ Contam Toxicol 20(4):433–7, Oct 78
Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al. **Cancer** 42(4):1720–9, Oct 78
Transcription of the chicken ovalbumin and conalbumin gene during early secondary induction with estrogens. Nguyen-Huu MC, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1307–13, Oct 78
Effect of estrogens on uterine tone and life span of the corpus luteum in mares. Berg SL, et al. **J Anim Sci** 47(1):203–8, Jul 78
Diethylstilbestrol: a review of its toxicity and use as a growth promotant in food-producing animals. McMartin KE, et al.
J Environ Pathol Toxicol 1(3):279–313, Jan–Feb 78 (164 ref.)
Estrogen receptor immunocytochemistry. Kurzon RM, et al.
J Histochem Cytochem 26(10):803–8, Oct 78
The newborn mouse as a model for study of the effects of hormonal steroids in the young. Kohrman AF.
Pediatrics 62(6 Pt 2):1143–50, Dec 78

THERAPEUTIC USE

Estrogen-induced porphyria cutanea tarda complicating treatment of prostatic carcinoma. Weimar VM, et al.
J Urol 120(5):643–4, Nov 78
Estrogen treatment of the young: summary and recommendations. **Pediatrics** 62(6 Pt 2):1216–7, Dec 78
Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091–7, Dec 78
Treatment of tall girls with estrogen. Crawford JD.
Pediatrics 62(6 Pt 2):1189–95, Dec 78
Complications of prenatal therapy with diethylstilbestrol. Herbst AL, et al. **Pediatrics** 62(6 Pt 2):1151–9, Dec 78
Effect of prenatal estrogen exposure on male genitalia. Mills JL, et al. **Pediatrics** 62(6 Pt 2):1160–65, Dec 78

TOXICITY

Chemical carcinogenesis in C3H/StWi mice, a worthwhile experimental model for breast cancer. Smith GH, et al.
Cancer Res 38(12):4504–9, Dec 78
Pathological changes in female C3H mice continuously fed

diets containing diethylstilbestrol or 17beta--estradiol. Highman B, et al. **J Environ Pathol Toxicol** 1(1):1-30, Sep-Oct 78

Diethylstilbestrol: a review of its toxicity and use as a growth promotant in food-producing animals. McMartin KE, et al. **J Environ Pathol Toxicol** 1(3):279-313, Jan-Feb 78 (164 ref.)

Rat differences in mammary tumor induction with estrogen and neutron radiation. Shellabarger CJ, et al. **JNCI** 61(6):1505-8, Dec 78

DROMOSTANOLONE

THERAPEUTIC USE

[Androgen therapy of incurable breast neoplasms. Controlled clinical study: nandrolone-testololactone-drostanolone] Wolff G, et al. **Onkologie** 1(4):172-4, Aug 78 (Eng. Abstr.) **(Ger)**

DYDROGESTERONE

ADMINISTRATION & DOSAGE

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93-9, 1978

PHARMACODYNAMICS

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93-9, 1978

ESTRADIOL

Hormone receptors and breast cancer. Keightley DD. **Aust NZ J Surg** 48(3):270-5, Jun 78

The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653-6, Oct 78

Measurement of oestradiol receptors by five institutions on common tissue samples. King RJ, et al. **Br J Cancer** 38(3):428-30, Sep 78

Evidence for the common identity of rabbit ovarian 20alpha- and 17beta-hydroxysteroid dehydrogenases. Rodway RG, et al. **J Endocrinol** 78(3):459-60, Sep 78

[Sex hormone binding globulin (SHBG), a new metabolic in vitro thyroid function test] Staub JJ, et al. **Schweiz Med Wochenschr** 108(48):1909-11, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[Dynamics of changes in the concentration of estradiol receptors in the cytosol of rat female hypothalamus during postnatal development] Babichev VN, et al. **Probl Endokrinol (Mosk)** 24(6):55-9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98-107, Nov-Dec 78 (134 ref.) **(Rus)**

[Preparation of the estradiol benzoate injection suspension] Struhár M, et al. **Cesk Farm** 27(6):245-9, Jul 78 (Eng. Abstr.) **(Slo)**

[Preparation of an estradiol-benzoate injection suspension] Struhár H, et al. **Cesk Fysiol** 27(6):245-9, Nov 78 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Progesterone induction of messenger RNA and protein synthesis in rabbit uterus. Bullock DW. **Ann NY Acad Sci** 286:260-72, 11 Mar 77

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331-54, 11 Mar 77 (136 ref.)

Persistent gynecomastia resulting from scalp inunction of estradiol: a model for persistent gynecomastia. Gabrilove JL, et al. **Arch Dermatol** 114(11):1672-3, Nov 78

The effects of repeated estrogen administration on cell division in the uterine luminal epithelium of the immature rat. Krueger WA, et al. **Biol Reprod** 19(2):385-8, Sep 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431-8, Sep 78

Pure crystalline estradiol pellet implantation for contraception. Asch RH, et al. **Int J Fertil** 23(2):100-5, 1978

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128-32, 1978

Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186-90, Nov 78

Protein electrophoretic patterns of canine prostatic fluid. Effect of hormonal manipulation. Stubbs AJ, et al. **Invest Urol** 16(3):175-8, Nov 78

Prolactin receptors in mouse liver: species differences in response to estrogenic stimulation. Marshall S, et al. **Proc Soc Exp Biol Med** 159(2):256-9, Nov 78

Does time of exposure to estradiol and LHRH effect LH release from bovine pituitary cells? Padmanabhan V, et al. **Proc Soc Exp Biol Med** 159(1):157-60, Oct 78

[In vivo metabolism of unconjugated or conjugated estradiol-17 beta in the dog kidney (author's transl)] Yamamoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1103-15, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Evaluation of an estrogen-progestagen combination in reduced doses with contraceptive purpose] Foix A, et al. **Obstet Ginecol Lat Am** 36(1-2):23-31, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Persistent gynecomastia resulting from scalp inunction of estradiol: a model for persistent gynecomastia. Gabrilove JL, et al. **Arch Dermatol** 114(11):1672-3, Nov 78

Pure crystalline estradiol pellet implantation for contraception. Asch RH, et al. **Int J Fertil** 23(2):100-5, 1978

[Evaluation of an estrogen-progestagen combination in reduced doses with contraceptive purpose] Foix A, et al. **Obstet Ginecol Lat Am** 36(1-2):23-31, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

New biospecific adsorbents for the purification of estradiol receptor. Bucourt R, et al. **J Biol Chem** 253(22):2881-8, 25 Nov 78

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11-12):1517-22, Nov-Dec 75

Electrophoretic desorption: preparative elution of steroid specific antibodies from immunoadsorbents. Morgan MR, et al. **J Steroid Biochem** 9(8):767-70, Aug 78

Preparation of specific antisera to estradiol 17-glucuronide. Nambara T, et al. **J Steroid Biochem** 9(8):785-90, Aug 78

ANALYSIS

Statistical estimation of the minimal detectable concentration ('sensitivity') for radioligand assays. Rodbard D. **Anal Biochem** 90(1):1-12, 1 Oct 78

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267-73, Jun 78

Endogenous estradiol-17beta in bovine tissues. Henricks DM, et al. **J Assoc Off Anal Chem** 61(5):1280-3, Sep 78

High-pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. Roos RW. **J Pharm Sci** 67(12):1735-9, Dec 78

BIOSYNTHESIS

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249-55, Sep 78

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007-11, Oct 78

Hormone production by the intact human corpus luteum in vitro. Biggs JS, et al. **J Reprod Fertil** 54(2):221-5, Nov 78

Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. Fowler RE, et al. **J Reprod Fertil** 54(1):109-17, Sep 78

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445-9, Oct 75

Conversion, in vitro, of (7n-3H) testosterone to estrone and estradiol-17beta and their 3-sulfate conjugate by the guinea-pig placenta. Adessi GL, et al. **Steroids** 32(3):295-306, Oct 78

Kinetics of testosterone metabolism in normal postmenopausal women and women with breast cancer. Bird CE, et al.

Steroids 32(3):323–35, Oct 78

Steroidogenic capabilities of the early mouse embryo. Grube KE, et al. **Steroids** 32(3):345–54, Oct 78

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

BLOOD

Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)

Transfer of estradiol to human milk. Nilsson S, et al. **Am J Obstet Gynecol** 132(6):653–7, 15 Nov 78

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post–menopausal women. Isaacs AJ, et al. **Clin Endocrinol (Oxf)** 9(4):297–302, Oct 78

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78

Effect of surgical stress on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Sex steroid hormones and antibodies to Candida albicans. Mathur S, et al. **Clin Exp Immunol** 33(1):79–87, Jul 78

Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue - a new approach to birth control? Nillius SJ, et al. **Contraception** 17(6):537–44, Jun 78

Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Toivonen J, et al. **Contraception** 18(3):201–11, Sep 78

Response of the hypothalamic–pituitary–testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

Effect of postovulatory treatment with a luteinizing hormone–releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365–78, 1978

Influence of hormones on arterial smooth muscle cell proliferation. pp. 367–71. Fischer–Dzoga K. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 16222i 1977.**

Pure crystalline estradiol pellet implantation for contraception. Asch RH, et al. **Int J Fertil** 23(2):100–5, 1978

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Effect of season and artificial photoperiod on levels of estradiol–17beta and estrone in blood serum of stallions. Thompson DL, et al. **J Anim Sci** 47(1):184–7, Jul 78

Maturational changes in the characteristics of oestrogen–induced surges of luteinizing hormone in immature domestic gilts. Elsaesser F, et al. **J Endocrinol** 78(3):455–6, Sep 78

Concentrations of oestradiol–17beta and progesterone in the peripheral plasma of the cynomolgus monkey (Macaca fascicularis) in relation to the length of the menstrual cycle and its component phases. Shaikh AA, et al. **J Endocrinol** 79(1):1–7, Oct 78

Specific suppression of follicle–stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

Methodological validation of HCS, estriol, estradiol and progesterone radioimmunoassay in pregnancy. Giannessi D, et al. **J Nucl Med Allied Sci** 22(2):71–8, Apr–Jun 78

The binding of sex steroids in human maternal and fetal blood at different stages of gestation. Abramovich DR, et al. **J Steroid Biochem** 9(8):791–4, Aug 78

An assessment of the total estrone, estradiol–17beta and estriol in high risk pregnancy plasma. Mathur RS, et al. **J Steroid Biochem** 6(10):1421–7, Oct 75

Oestradiol–17beta, progesterone and 17alpha–hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier M, et al. **J Steroid Biochem** 6(10):1433–7, Oct 75

Subpopulations of breast carcinoma defined by S–phase fraction, morphology, and estrogen receptor content. Meyer JS, et al. **Lab Invest** 39(3):225–35, Sep 78

Oestrogens, myocardial infarction, and smoking [letter] Carr D. **Lancet** 2(8098):1048, 11 Nov 78

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78

Circulating pituitary–gonadal hormones in clomiphene–induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

Natural family planning. I. The peak symptom and estimated time of ovulation. Hilgers TW, et al. **Obstet Gynecol** 52(5):575–82, Nov 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134–7, Dec 78

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra–luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539–45, Nov 78

[Longitudinal study of the effect of exogenous LH–RH upon serumlevels of LH and FSH and upon plasma–oestradiol during a regular cycle in women (author's transl)] Horský J, et al. **Cesk Gynekol** 43(9):677–80, Nov 78 (Eng. Abstr.) **(Cze)**

[Plasma estradiol levels in quail during sexual development and after different estrogenic treatments] Laugier C, et al. **C R Acad Sci [D] (Paris)** 287(4):293–6, 11 Sep 78 (Eng. Abstr.) **(Fre)**

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

[Sexuality in hyperprolactinemic patients] Merceron RE, et al. **Probl Actuels Endocrinol Nutr** (21):185–9, 1977 **(Fre)**

[Investigations on pituitary–testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[Relationships between the HPL determination in maternal serum and the condition of the associated placental villous trophoblast] Ruckhäberle KE, et al. **Zentralbl Gynaekol** 100(19):1245–53, 1978 (Eng. Abstr.) **(Ger)**

[Corpus luteum function in the middle luteal phase following treatment with prostaglandins] Seifert B, et al. **Zentralbl Gynaekol** 100(17):1112–8, 1978 (Eng. Abstr.) **(Ger)**

[The hormonal dynamics picture of tamoxifen treatment cases, in comparison of clomid treatment cases (author's transl)] Tajima C, et al. **Nippon Funin Gakkai Zasshi** 23(4):398–404, Oct 78 (Eng. Abstr.) **(Jpn)**

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Temporal relationship of LH and estradiol at mid cycle (author's transl)] Uemura T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):855–65, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Relationship between serum estradiol levels and arterial calcification (author's transl)] Nakao J, et al. **Nippon Ronen Igakkai Zasshi** 15(4):369–74, Jul 78 (Eng. Abstr.) **(Jpn)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Galactorrhoea–amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Tolis G. **Clin Endocrinol (Oxf)** 6 Suppl:81S–89S, 1977

Ovarian function in suckling and non-suckling beef cows post partum. Radford HM, et al. **J Reprod Fertil** 54(1):49–56, Sep 78

IMMUNOLOGY

The effect of passive immunization against oestrogens on the onset of parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(2):363–7, Nov 78

Electrophoretic desorption: preparative elution of steroid specific antibodies from immunoadsorbents. Morgan MR, et al. **J Steroid Biochem** 9(8):767–70, Aug 78

Preparation of specific antisera to estradiol 17-glucuronide. Nambara T, et al. **J Steroid Biochem** 9(8):785–90, Aug 78

ISOLATION & PURIFICATION

[Cyto-immuno-enzymological localization trial of steroid hormones in the female ovarian corpus luteum (author's transl)] Benkoël L, et al. **Cell Mol Biol** 23(2):191–5, 1978 (Eng. Abstr.) **(Fre)**

METABOLISM

Autoradiographic studies of 3H-estramustine in the rat ventral prostate. Appelgren LE, et al. **Acta Pharmacol Toxicol (Copenh)** 43(5):368–74, Nov 78

Transfer of estradiol to human milk. Nilsson S, et al. **Am J Obstet Gynecol** 132(6):653–7, 15 Nov 78

Local treatment of the endometrium with progesterone. Pharris BB. **Ann NY Acad Sci** 286:226–32, 11 Mar 77

Effect of chaotropic anions on the rate of dissociation of estradiol-receptor protein complexes of mouse uterine cytosol. Kumar SA, et al. **Biochem Biophys Res Commun** 84(3):631–8, 16 Oct 78

Estrogen receptor in the mammalian liver: effect of metabolism on the amount and identity of receptor-bound estrogen. Weinberger MJ, et al. **Biochem Pharmacol** 27(20):2469–74, 1978

Estrogen receptor in the mouse skin. Uzuka M, et al. **Biochim Biophys Acta** 544(2):329–37, 1 Dec 78

The pars nervosa is a target for androgen in the mouse. Sheridan PJ. **Biol Reprod** 19(3):657–60, Oct 78

DNA, protein and specific [3H]-estradiol binding in the nuclear fractions of fetal guinea pig kidney and lung during fetal development. Sumida C, et al. **Biol Reprod** 19(2):338–45, Sep 78

Oestrogen binding proteins in bone cell cytosol. van Paassen HC, et al. **Calcif Tissue Res** 25(3):249–54, 18 Aug 78

An immunohistological study of steroid localization in Sertoli-Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

An estrogen receptor from Xenopus laevis liver possibly connected with vitellogenin synthesis. Westley B, et al. **Cell** 15(2):367–74, Oct 78

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

Estrogen-binding sites of chicken liver. Preliminary characterization of nuclear components. Gschwendt M, et al. **Eur J Biochem** 91(1):139–49, 2 Nov 78

Binding of steroids to human spermatozoa and its possible role in contraception. Hyne RV, et al. **Fertil Steril** 30(3):322–8, Sep 78

The occurrence of steroid-free, 'activated' estrogen receptor in target cell nuclei. Jungblut PW, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1259–68, Oct 78

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128–32, 1978

Endogenous estradiol-17beta in bovine tissues. Henricks DM, et al. **J Assoc Off Anal Chem** 61(5):1280–3, Sep 78

Nuclear mechanisms of estrogen action. Effects of estradiol and anti-estrogens on estrogen receptors and nuclear receptor processing. Horwitz KB, et al. **J Biol Chem** 253(22):8185–91, 25 Nov 78

In vitro conversion of estradiol-17beta into estrone in normal human myometrium and leiomyoma. Pollow K, et al. **J Clin Chem Clin Biochem** 16(9):493–502, Sep 78

Topography of estrogen target cells in the forebrain of goldfish, Carassius auratus. Kim YS, et al. **J Comp Neurol** 182(4):611–20, 15 Dec 78

Steroid feedback on luteinizing hormone secretion during sexual maturation in the pig. Elsaesser F, et al. **J Endocrinol** 78(3):329–42, Sep 78

A micromethod for measuring the activation of estradiol receptors of the rat uterus. Buchi K, et al. **J Steroid Biochem** 6(11–12):1467–9, Nov–Dec 75

Metabolism of estradiol-17beta in human endometrium during the menstrual cycle. Buirchell BJ, et al. **J Steroid Biochem** 6(11–12):1489–94, Nov–Dec 75

A series of optical structural and isomeric analogs of estradiol: a comparative study of the biological activity and affinity to cytosol receptor of rabbit uterus. Chernayaev GA, et al. **J Steroid Biochem** 6(11–12):1483–8, Nov–Dec 75

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov–Dec 75

Binding characteristics of estrone, estradiol and estriol to the human myometrial estrogen receptor. Lövgren T, et al. **J Steroid Biochem** 9(8):803–9, Aug 78

Opiate receptor binding activity of 17-alpha estrogenic steroids. LaBella FS, et al. **Life Sci** 23(17–18):1797–804, 30 Oct 78

Receptors for 17beta-estradiol in prolactin-secreting rat pituitary cells. Haug E, et al. **Mol Cell Endocrinol** 12(1):81–95, Oct 78

In vitro transcription of vitellogenin sequences on chick liver chromatin. Dierks-Ventling C. **Nucleic Acids Res** 5(10):3929–43, Oct 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

Differential biological activity of estradiol metabolites. Fishman J, et al. **Pediatrics** 62(6 Pt 2):1128–33, Dec 78

Metabolic influences on the action of estrogens: therapeutic implications. Gurpide E. **Pediatrics** 62(6 Pt 2):1114–20, Dec 78

Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen-binding protein in rat testes. Bulger WH, et al. **Steroids** 32(2):165–77, Sep 78

[Estradiol metabolism in normal and cirrhotic rat liver. I. Estradiol metabolism in perfused liver and in liver sections] Lacroix E, et al. **Verh K Acad Geneeskd Belg** 40(4):269–316, 1978 **(Dut)**

[Estradiol metabolism in normal and cirrhotic rat liver. II. Estradiol metabolism in liver homogenates and liver microsomes] Lacroix E, et al. **Verh K Acad Geneeskd Belg** 40(4):317–49, 1978 (Eng. Abstr.) **(Dut)**

[In vivo metabolism of unconjugated or conjugated estradiol-17 beta in the dog kidney (author's transl)] Yamamoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1103–15, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep–Oct 78 (59 ref.) **(Rus)**

PHARMACODYNAMICS

Codon-specific serine transfer ribonucleic acid synthesis in avian liver during vitellogenin induction. Kanerva PA, et al. **Acta Chem Scand [B]** B32(8):561–8, 1978

Estrogen induced inhibition of 3H-noradrenaline release in the uterus and portal vein of the rat. Bengtsson B. **Acta Physiol Scand** 104(3):287–98, Nov 78

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Possible role of gap junctions in activation of myometrium during parturition. Garfield RE, et al. **Am J Physiol** 235(5):C168–79, Nov 78

Effect of progestins on glucose and lipid metabolism. Beck P. **Ann NY Acad Sci** 286:434–45, 11 Mar 77 (57 ref.)

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

Reproductive tract fluid proteins and their hormonal control. Feigelson M, et al. **Ann NY Acad Sci** 286:273–86, 11 Mar 77 (44 ref.)

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77

Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77

Significance of the progesterone receptor in the estrogen-induced and -dependent renal tumor of the Syrian golden hamster. Li SA, et al. **Ann NY Acad Sci** 286:369–83, 11 Mar 77

Hormonal control of progesterone receptors. Vu Hai MT, et al. **Ann NY Acad Sci** 286:199–209, 11 Mar 77

Effect of the mouse mutants testicular feminization and sex reversal on hormone-mediated induction and repression of enzymes. Bulfield G, et al. **Biochem Genet** 16(7–8):743–50, Aug 78

The time course of the effect of hypophysectomy and oestrogen treatment on the hepatic metabolism of androst-4-ene-3,17-dione in male and female rats. Skett P. **Biochem J** 174(3):753–60, 15 Sep 78

Studies on sex-organ development. Oestrogenic effect on ornithine decarboxylase activity in the differentiating Müllerian ducts and other organs of the chick embryo. Teng CS, et al. **Biochem J** 176(1):143–9, 15 Oct 78

Oestrogen-induced changes in the population of uterine polyribosomal polyadenylated RNA. Aziz S, et al. **Biochem Soc Trans** 6(4):755–7, 1978

The role of cyclic 3',5'-AMP in the regulation of aminoacyl-tRNA synthetase activities in mouse uterus and liver following 17beta-oestradiol treatment. Activation of a phosphoaminoacyl-tRNA synthetase phosphatase by phosphorylation with cyclic 3',5'-AMP dependent protein kinase. Berg BH. **Biochim Biophys Acta** 521(1):274–87, 21 Nov 78

Estradiol-induced synthesis of vitellogenin. IV. The isolation of non-degraded polysomes from avian liver using an endogenous ribonuclease inhibitor. Dijkstra J, et al. **Biochim Biophys Acta** 521(1):363–73, 21 Nov 78

Lipoprotein lipase of cultured mesenchymal rat heart cells. III. Effect of glucocorticoids and insulin on enzyme formation. Friedman G, et al. **Biochim Biophys Acta** 531(2):222–32, 22 Nov 78

Regulation of protein synthesis by estradiol-17beta in cultured hepatocytes. Traniello S, et al. **Biochim Biophys Acta** 520(3):664–70, 24 Oct 78

Dimethystilbestrol is not antiestrogenic for rat sexual behavior or gonadotropin secretion. Etgen AM, et al. **Biol Reprod** 19(2):454–8, Sep 78

Regulation of plasma LH by estradiol and progesterone in ovariectomized mares. Garcia MC, et al. **Biol Reprod** 19(2):447–53, Sep 78

Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Haney AF, et al. **Biol Reprod** 19(2):242–8, Sep 78

Dissociation between release of luteinizing hormone and prolactin and induction of female sexual behavior in normal and androgenized rats. Harlan RE, et al. **Biol Reprod** 19(2):439–46, Sep 78

Sexual differences in steroid facilitated luteinizing hormone release independent from timing of secretion and effect of bleeding procedures. Harlan RE, et al. **Biol Reprod** 19(3):580–4, Oct 78

The effects of repeated estrogen administration on cell division in the uterine luminal epithelium of the immature rat. Krueger WA, et al. **Biol Reprod** 19(2):385–8, Sep 78

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

Influence of ovarian hormones on prolactin release in the rhesus monkey. Milmore JE. **Biol Reprod** 19(3):593–6, Oct 78

Cycloheximide blockage of estradiol-17beta-induced contractions in ovariectomized ewes. Rexroad CE Jr. **Biol Reprod** 19(3):648–52, Oct 78

Undernutrition, puberty and the development of estrogen positive feedback in the female rat. Ronnekleiv OK, et al. **Biol Reprod** 19(2):414–24, Sep 78

Plasma concentrations of luteinizing hormone and prolactin in the ovariectomized ewe during induced hyperthermia. Schillo KK, et al. **Biol Reprod** 19(2):306–13, Sep 78

The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653–6, Oct 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431–8, Sep 78

The effect of progesterone, estradiol and serum on RNA synthesis in preimplantation mouse embryos cultured in vitro. Warner CM, et al. **Biol Reprod** 19(2):332–7, Sep 78

Contrasting subcellular responses to monohydroxytamoxifen and oestradiol benzoate in the immature rat uterus [proceedings] Dix CJ, et al. **Br J Pharmacol** 64(3):375P–376P, Nov 78

Effects of estrogen upon hypothalamic vulnerability to goldthioglucose in mice. Young JK, et al. **Brain Res Bull** 3(3):231–5, May-Jun 78

Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. El Etreby MF, et al. **Cell Tissue Res** 193(2):211–8, 17 Oct 78

Estrogen-induced alterations in the myoepithelial cells of the rat mammary gland. Strum JM. **Cell Tissue Res** 193(1):155–61, 6 Oct 78

Oestrogen amplification of LH-RH response in the polycystic ovary syndrome and response to clomiphene. Kandeel FR, et al. **Clin Endocrinol (Oxf)** 9(5):429–41, Nov 78

Estrogen and tracheal secretion: the effect of estrogen on the epithelial secretory cells of the rat trachea. Vidić B, et al. **Cytobiologie** 18(1):10–21, Oct 78

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al. **Endocr Res Commun** 5(2):135–59, 1978

In vitro effect of LH-RH on RNA content and synthesis in isolated anterior pituitary cells from intact and castrated female rats. Bíró J. **Endocrinol Exp (Bratisl)** 12(3):193–8, Sep 78

Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Kawashima S, et al. **Endocrinol Jpn** 25(4):341–8, Aug 78

Inhibition of fetal adrenal 21-hydroxylase by naturally occurring steroids. Yoshida N, et al. **Endocrinol Jpn** 25(4):349–53, Aug 78

Estrogen-binding sites of chicken liver. Preliminary characterization of nuclear components. Gschwendt M, et al. **Eur J Biochem** 91(1):139–49, 2 Nov 78

Regulation of translation of ovalbumin messenger RNA by estrogens and progesterone in oviduct of withdrawn chicks. Pennequin P, et al. **Eur J Biochem** 90(1):51–8, 15 Sep 78

An estrogen responsive primary amphibian liver cell culture system. Stanchfield JE, et al. **Exp Cell Res** 116(2):239–52, 15 Oct 78

Attenuation of thirst in estrogen-treated rats. Fregly MJ. **Fed Proc** 37(13):2694–8, Nov 78

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

Sex differences in hepatic sulfation of taurolithocholate in the rat. Hammerman KJ, et al. **Gastroenterology** 75(6):1021–5, Dec 78

The effects of oestrogen treatment on certain plasma constituents associated with vitellogenesis in the elasmobranch Scyliorhinus canicula L. Craik JC. **Gen Comp Endocrinol** 35(4):455–64, Aug 78

A histochemical study of the adrenogenital syndrome in frog tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):347–54, Aug 78

Further evidence for decreased delta5-3beta-hydroxysteroid dehydrogenase activity in female tadpoles after estradiol treatment. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):451–4, Aug 78

Influence of hormones on arterial smooth muscle cell proliferation. pp. 367–71. Fischer-Dzoga K. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.**

In vitro effects of estrogen on cyclic nucleotides in the arterial wall. pp. 373–83. Numano F. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.**

Lactate dehydrogenase isoenzymes in human endometrium, uterine fluids & erythrocytes in uterine dysfunction. Ganguly S, et al. **Indian J Biochem Biophys** 15(2):101–4, Apr 78

Regulation of growth & metabolism of ovariectomised rat uterus by adenosine 3', 5'-cyclic monophosphate. Jain SK. **Indian J Biochem Biophys** 15(1):43–8, Feb 78

Monoamine oxidase activity in the pituitary of mice after estrogen, progesterone and centchroman treatment. Srivastava K, et al. **Indian J Physiol Pharmacol** 22(3):310–2, Jul-Sep 78

Response of the rabbit vas deferens in vivo to vasoactive drugs. Gillenwater JY, et al. **Invest Urol** 16(3):213–8, Nov 78

Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186–90, Nov 78

Protein electrophoretic patterns of canine prostatic fluid. Effect of hormonal manipulation. Stubbs AJ, et al. **Invest Urol** 16(3):175–8, Nov 78

Effect of estrogens on uterine tone and life span of the corpus luteum in mares. Berg SL, et al. **J Anim Sci** 47(1):203–8, Jul 78

Mechanism of action of hydrocortisone potentiation of sulfogalactosylceramide synthesis in mouse oligodendroglioma clonal cell lines. Dawson G, et al. **J Biol Chem** 254(1):163–7, 10 Jan 79

Nuclear mechanisms of estrogen action. Effects of estradiol and anti-estrogens on estrogen receptors and nuclear receptor processing. Horwitz KB, et al. **J Biol Chem** 253(22):8185–91, 25 Nov 78

Differential effects of estrogen and progesterone on ovalbumin mRNA utilization. Robins DM, et al. **J Biol Chem**

253(24):8925–34, 25 Dec 78

Failure of histamine to induce the release of luteinizing hormone in castrated rats primed with sex steroids. Donoso AO, et al. **J Endocrinol** 78(3):447–8, Sep 78

Maturational changes in the characteristics of oestrogen-induced surges of luteinizing hormone in immature domestic gilts. Elsaesser F, et al. **J Endocrinol** 78(3):455–6, Sep 78

Steroid feedback on luteinizing hormone secretion during sexual maturation in the pig. Elsaesser F, et al. **J Endocrinol** 78(3):329–42, Sep 78

Effects of an intra-uterine device on uterine cell division and epithelial morphology in ovariectomized mice treated with oestrogen and progesterone. Martin L, et al. **J Endocrinol** 78(3):417–25, Sep 78

In vitro assay for tumor promoters and anti-promoters. Chang CC, et al. **J Environ Pathol Toxicol** 2(1):43–64, Sep–Oct 78 (95 ref.)

Estrogen receptor immunocytochemistry. Kurzon RM, et al. **J Histochem Cytochem** 26(10):803–8, Oct 78

beta-Estradiol reduces natural killer cells in mice. Seaman WE, et al. **J Immunol** 121(6):2193–8, Dec 78

Inhibition of oestrogen-induced increase in uterine blood flow in the rat. Phaily S, et al. **J Pharm Pharmacol** 30(11):734–5, Nov 78

Effect of oestradiol-17beta on monoamine concentrations in the hypothalamus of anoestrous ewe [proceedings] Kendall DA, et al. **J Physiol (Lond)** 282:44P–45P, Sep 78

Examination of factors which might influence ovine sodium preference during the oestrous cycle: food intake and oestrogens [proceedings] Michell AR. **J Physiol (Lond)** 282:41P–42P, Sep 78

Uterine blood flow and prostaglandin levels in ovariectomized rabbits. Antonini R, et al. **J Reprod Fertil** 54(2):349–56, Nov 78

The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). Milligan SR. **J Reprod Fertil** 54(2):309–11, Nov 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Chromatin-associated ribonucleases are activated by estradiol in chick oviduct. Cox RF. **J Steroid Biochem** 9(8):697–702, Aug 78

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Progesterone-binding protein in human myometrium. Binding site concentration in relation to endogenous progesterone and estradiol-17beta levels. Kontula K. **J Steroid Biochem** 6(11–12):1555–61, Nov–Dec 75

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Oestrogens and the unfavourable cervix [letter] Hillier K, et al. **Lancet** 2(8104–5):1377–8, 23–30 Dec 78

Myometrial cells in primary culture: characterization and hormonal profile. Vallet-Strouve C, et al. **Mol Cell Endocrinol** 12(1):97–110, Oct 78

Specific impedance studies of visceral smooth muscle: effects of steroid hormones. Bortoff A. **Nippon Heikatsukin Gakkai Zasshi** 14 Suppl:15–6, Feb 78

Estrogen receptor binding and growth of the reproductive tract. Clark JH, et al. **Pediatrics** 62(6 Pt 2):1121–7, Dec 78

Differential biological activity of estradiol metabolites. Fishman J, et al. **Pediatrics** 62(6 Pt 2):1128–33, Dec 78

The newborn mouse as a model for study of the effects of hormonal steroids in the young. Kohrman AF. **Pediatrics** 62(6 Pt 2):1143–50, Dec 78

Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Schreiber V, et al. **Physiol Bohemoslov** 27(6):505–13, 1978

Prolactin receptors in mouse liver: species differences in response to estrogenic stimulation. Marshall S, et al. **Proc Soc Exp Biol Med** 159(2):256–9, Nov 78

The effects of indomethacin and meclofenamate on estrogen induced vasodilation in the rabbit uterus. Mueller D, et al. **Proc Soc Exp Biol Med** 159(1):25–9, Oct 78

Effects of hormones in the newborn period on the development of the penis. Rajfer J, et al. **Surg Forum** 28:570–3, 1977

Inhibition of mammary carcinoma invasiveness with cartilage-derived inhibitor. Sadove AM, et al. **Surg Forum** 28:499–501, 1977

Hormonal activation of mammary gland peroxidase. Strum JM. **Tissue Cell** 10(3):505–14, 1978

Effect of the endocrine state of blastocyst donors on the time required for initiation of trophoblast outgrowth. Naeslund G, et al. **Ups J Med Sci** 83(3):135–9, 1978

Influence of corticoid-induced parturition on postpartum uterine activity. Piper EL, et al. **VM SAC** 73(11):1447–9, Nov 78

[Effect of estradiol and tocopherol on peroxidation of erythrocyte membrane lipids following ultraviolet irradiation] Denisov IuP. **Farmakol Toksikol** 41(6):697–701, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Determination of the period of sex cell sensitivity of the chick embryo to the action of estradiol benzoate] Lukina NA. **Tsitologiia** 20(8):903–9, Aug 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

[Plasma estradiol levels in quail during sexual development and after different estrogenic treatments] Laugier C, et al. **C R Acad Sci [D] (Paris)** 287(4):293–6, 11 Sep 78 (Eng. Abstr.) **(Fre)**

[Study of male type sex behavior induced by hormonal treatment in adult ovariectomized female sheep] Fabre C, et al. **Probl Actuels Endocrinol Nutr** (21):107–17, 1977 **(Fre)**

[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. **Probl Actuels Endocrinol Nutr** (21):13–41, 1977 (71 ref.) **(Fre)**

[Mechanism of gonadotropin secretion in rats (author's transl)] Kawakami M. **Nippon Hinyokika Gakkai Zasshi** 69(9):1133–5, Sep 78 **(Jpn)**

SECRETION

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

[Dynamics of the sex hormone and progesterone level in the peripheral blood and their production by the gonads and adrenals in postnatal ontogeny in silver foxes] Krass PM, et al. **Ontogenez** 9(6):576–83, 1978 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Changes in bone mineral content in women with natural menopause during treatment with female sex hormones. Dalén N, et al. **Acta Obstet Gynecol Scand** 57(5):435–7, 1978

Effects of estrogen on cartilage and experimentally induced osteoarthritis. Rosner IA, et al. **Arthritis Rheum** 22(1):52–8, Jan 79

An assessment of the effects of steriod hormones and antiestrogens on short-term organ culture of human endometrial carcinoma. Jacobelli S, et al. **Eur J Cancer** 14(9):931–8, Sep 78

Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091–7, Dec 78

Treatment of Turner's syndrome with estrogen. Levine LS. **Pediatrics** 62(6 Pt 2):1178–83, Dec 78

Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Nathan E, et al. **Ups J Med Sci** 83(3):175–83, 1978

TOXICITY

Pathological changes in female C3H mice continuously fed diets containing diethylstilbestrol or 17beta-estradiol. Highman B, et al. **J Environ Pathol Toxicol** 1(1):1–30, Sep–Oct 78

URINE

[In vivo metabolism of unconjugated or conjugated estradiol-17 beta in the dog kidney (author's transl)] Yamamoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1103–15, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

ESTRADIOL ANTAGONISTS

Regulation of estrogen receptor replenishment by progesterone. Clark JH, et al. **Ann NY Acad Sci** 286:161–79, 11 Mar 77

Inhibition of oestrogen-induced increase in uterine blood flow in the rat. Phaily S, et al. **J Pharm Pharmacol** 30(11):734–5, Nov 78

The effects of indomethacin and meclofenamate on estrogen induced vasodilation in the rabbit uterus. Mueller D, et al. **Proc Soc Exp Biol Med** 159(1):25–9, Oct 78

METABOLISM

Oestrogen binding proteins in bone cell cytosol. van Paassen HC, et al. **Calcif Tissue Res** 25(3):249–54, 18 Aug 78

ESTRANES

PHARMACODYNAMICS

Opiate receptor binding activity of 17-alpha estrogenic steroids. LaBella FS, et al. **Life Sci** 23(17–18):1797–804, 30 Oct 78

ESTRIOL

ADMINISTRATION & DOSAGE

Effect of estriol administration on the hypogonadal woman. Schiff I, et al. **Fertil Steril** 30(3):278–82, Sep 78

Development of an estriol-releasing intrauterine device. Baker RW, et al. **J Pharm Sci** 68(1):20–6, Jan 79

ANALOGS & DERIVATIVES

Unconjugated oestetrol in plasma in response to an intravenous load of dehydroepiandrosterone sulphate (DHAS) in uncomplicated and complicated human pregnancy. Axelsson O. **Acta Endocrinol (Copenh)** 89(4):753–62, Dec 78

Conversion of 3beta, 15beta, 16beta-trihydroxy-5-androsten-17-one to 1,3,5(10)-oestratriene-3,15beta,16beta,17beta-tetrol by placental homogenates. Shackleton CH, et al. **J Steroid Biochem** 6(10):1401–3, Oct 75

Sequential determination of serum human placental lactogen, estriol, and estetrol for assessment of fetal morbidity. Kundu N, et al. **Obstet Gynecol** 52(5):513–20, Nov 78

BIOSYNTHESIS

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519–27, Nov 78

BLOOD

Comparison of oestriol in mother and fetus during labour and in the baby at birth. Shackleton CH, et al. **Acta Obstet Gynecol Scand** 57(5):411–4, 1978

The plasma half-life of placental hormones. Klopper A, et al. **Br J Obstet Gynaecol** 85(10):738–47, Oct 78

Actions of salbutamol in late pregnancy. Serum levels of human chorionic gonadotrophin, human placental lactogen, total oestriol and progesterone in diabetic and non-diabetic women during infusion of salbutamol. Carlström K, et al. **Horm Metab Res** 10(5):434–8, Sep 78

Biochemical parameters for surveillance of high-risk pregnancies. Goebel R. **Horm Res** 9(6):339–64, 1978

Recent trends in methodological simplification of steroid radioimmunoassay. Malvano R, et al. **Horm Res** 9(6):422–39, 1978

Methodological validation of HCS, estriol, estradiol and progesterone radioimmunoassay in pregnancy. Giannessi D, et al. **J Nucl Med Allied Sci** 22(2):71–8, Apr–Jun 78

An assessment of the total estrone, estradiol-17beta and estriol in high risk pregnancy plasma. Mathur RS, et al. **J Steroid Biochem** 6(10):1421–7, Oct 75

Sequential determination of serum human placental lactogen, estriol, and estetrol for assessment of fetal morbidity. Kundu N, et al. **Obstet Gynecol** 52(5):513–20, Nov 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134–7, Dec 78

[Assay of total blood estriol from capiliary blood and by a micromethod (letter)] Deltour G, et al. **Nouv Presse Med** 7(32):2873, 23 Sep 78 **(Fre)**

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[A rapid and direct 125 I-based radioimmunoassay for unconjugated estriol in pregnancy serum and its clinical application (author's transl)] Yamamoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):848–54, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Criteria for the diagnosis, management and treatment of intrauterine growth retardation] Pommier M. **Ginecol Obstet Mex** 44(264):335–45, Oct 78 (Eng. Abstr.) **(Spa)**

METABOLISM

An immunohistological study of steroid localization in Sertoli-Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Binding characteristics of estrone, estradiol and estriol to the human myometrial estrogen receptor. Lövgren T, et al. **J Steroid Biochem** 9(8):803–9, Aug 78

PHARMACODYNAMICS

Effect of estriol administration on the hypogonadal woman. Schiff I, et al. **Fertil Steril** 30(3):278–82, Sep 78

Estriol antagonism of the action of bradykinin and adrenalin on human umbilical artery. Silva de Sá MF, et al. **Gynecol Obstet Invest** 9(1):49–56, 1978

THERAPEUTIC USE

Changes in bone mineral content in women with natural menopause during treatment with female sex hormones. Dalén N, et al. **Acta Obstet Gynecol Scand** 57(5):435–7, 1978

Effect of estriol administration on the hypogonadal woman. Schiff I, et al. **Fertil Steril** 30(3):278–82, Sep 78

Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Nathan E, et al. **Ups J Med Sci** 83(3):175–83, 1978

[Local and general clinical effect of estriol in patients with anomalies in the position of the genitalia] Cherevishnik ZhV. **Akush Ginekol (Mosk)** (10):44–8, 1978 (Eng. Abstr.) **(Rus)**

[Experience with estriol in the treatment of juvenile hemorrhages] Bogdanova EA, et al. **Vopr Okhr Materin Det** 23(9):75–7, Sep 78 (Eng. Abstr.) **(Rus)**

[Experiences with the general treatment of hemorrhages and a new local hemostatic] Larrauri OM, et al. **Rev Circ Argent Odontol** 41(3–4):13–21, Sep–Dec 77 **(Spa)**

URINE

Monitoring of fetuses with retarded BPD growth. Persson PH, et al. **Acta Obstet Gynecol Scand [Suppl]** (78):49–55, 1978

Improved liquid chromatographic determination of placental estriol in urine. Gotelli GR, et al. **Clin Chem** 24(12):2132–4, Dec 78

Colpocytology and its correlation with urinary oestriol and pregnanediol in third trimester of pregnancy. Aikat M. **Indian J Pathol Microbiol** 21(1):61–7, Jan 78

The biochemical effects of a maternal hyperalimentation during pregnancy. Benny PS, et al. **NZ Med J** 88(621):283–5, 11 Oct 78

Urinary estriol determinations in normal and pathological pregnancies. Ryu K, et al. **Yonsei Med J** 18(2):123–9, 1977

[The effects of heparin in underdevelopment of the fetus due to maternal vascular conditions (author's transl)] Chupin L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):849–54, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801–7, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Honda T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1125–50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

ESTROGEN ANTAGONISTS

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

Inhibition of oestrogen-induced increase in uterine blood flow in the rat. Phaily S, et al. **J Pharm Pharmacol** 30(11):734–5, Nov 78

[Biological activities of 3 different types of ethynodiol

diacetate-ethynyl estradiol combinations (author's transl)] Higashiyama S. **Nippon Funin Gakkai Zasshi** 23(4):414-20, Oct 78 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210-25, 11 Mar 77

THERAPEUTIC USE

New directions in the treatment of breast cancer: hormone-binding receptors. Katz ME. **Conn Med** 42(12):761-5, Dec 78

An assessment of the effects of steriod hormones and antiestrogens on short-term organ culture of human endometrial carcinoma. Jacobelli S, et al. **Eur J Cancer** 14(9):931-8, Sep 78

ESTROGENIC SUBSTANCES, CONJUGATED

What you should know about estrogens. Or the perils of Pauline. Landau RL. **JAMA** 241(1):47-51, 5 Jan 79

ADVERSE EFFECTS

Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin-aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33-55, Jul-Aug 78

Endometrial cancer and estrogen use. Report of a large case-control study. Antunes CM, et al. **N Engl J Med** 300(1):9-13, 4 Jan 79

METABOLISM

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11-12):1517-22, Nov-Dec 75

Enterohepatic cycling of 3H-estrone in the bull: identification of estrone-3-glucuronide. Leung BS, et al. **J Steroid Biochem** 6(11-12):1477-81, Nov-Dec 75

URINE

[Glucuronic acid, glucuronyltransferase and estrogens in breast cancer and precancer] Al'pert AE, et al. **Vopr Onkol** 24(10):66-70, 1978 (Eng. Abstr.) **(Rus)**

ESTROGENS

A review of the evidence linking estrogens and cancer in animals. Hertz R. **Pediatrics** 62(6 Pt 2):1138-42, Dec 78

Postmenopausal carcinoma as a result of estrogen treatment: survey of evidence. Mack TM. **Pediatrics** 62(6 Pt 2):1104-13, Dec 78

Effect of prenatal estrogen exposure on male genitalia. Mills JL, et al. **Pediatrics** 62(6 Pt 2):1160-65, Dec 78

Estrogen 2-hydroxylase: activity in rat tissues. Barbieri RL, et al. **Steroids** 32(4):529-38, Nov 78

[Chemotherapy entire agents of malignant tumors] Hartl J, et al. **Cesk Fysiol** 27(6):260-9, Nov 78 (105 ref.) **(Cze)**

ADMINISTRATION & DOSAGE

The influence of oestrogen on bone metabolism. Langeland N. **Arch Orthop Trauma Surg** 92(2-3):149-52, 30 Aug 78

Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391-6, Aug 78

What you should know about estrogens. Or the perils of Pauline. Landau RL. **JAMA** 241(1):47-51, 5 Jan 79

[Relationships between the size of ovarian follicles, the binding capacity of uterine estrogen receptors and estrogen concentrations in the follicular fluid and urine of calves under estrogen therapy] Rockel P, et al. **Berl Muench Tieraerztl Wochenschr** 91(24):476-9, 1978 (Eng. Abstr.) **(Ger)**

[Multidrug treatment of breast cancer according to the Manes method] Singer Z, et al. **Nowotwory** 28(3):263-8, Jul-Sep 78 (Eng. Abstr.) **(Pol)**

[Modern views on climacterium in women] Wolny HL, et al. **Wiad Lek** 31(19):1369-74, 1 Oct 78 (59 ref.) (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin-aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33-55, Jul-Aug 78

Menopausal therapy and endometrial pathology [letter] Studd J, et al. **Br Med J** 2(6148):1369, 11 Nov 78

Complications of the new contraceptive preparations. Clinch J. **Ir Med J** 71(15):513-4, 31 Oct 78

Estrogen use, hypertension and stroke in postmenopausal women. Pfeffer RI. **J Chronic Dis** 31(6-7):389-98, 1978

Effect of oral contraceptive therapy on gingival inflammation in humans. Kalkwarf KL. **J Periodontol** 49(11):560-3, Nov 78

Myocardial infarction and other vascular diseases in young women. Role of estrogens and other factors. Jick H, et al. **JAMA** 240(23):2548-52, 1 Dec 78

What you should know about estrogens. Or the perils of Pauline. Landau RL. **JAMA** 241(1):47-51, 5 Jan 79

Maternal progestins as a possible cause of hypospadias. Aarskog D. **N Engl J Med** 300(2):75-8, 11 Jan 79 (40 ref.)

Endometrial cancer and estrogen use. Report of a large case-control study. Antunes CM, et al. **N Engl J Med** 300(1):9-13, 4 Jan 79

Risk factors for the development of cholelithiasis in man (second of two parts). Bennion LJ, et al. **N Engl J Med** 299(22):1221-7, 30 Nov 78 (92 ref.)

Continuing education examination article. Estrogen therapy. Kim MH, et al. **Ohio State Med J** 74(11):691-706, Nov 78

Estrogen treatment of the young: summary and recommendations. **Pediatrics** 62(6 Pt 2):1216-7, Dec 78

Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091-7, Dec 78

Treatment of tall girls with estrogen. Crawford JD. **Pediatrics** 62(6 Pt 2):1189-95, Dec 78

Postmenopausal carcinoma as a result of estrogen treatment: survey of evidence. Mack TM. **Pediatrics** 62(6 Pt 2):1104-13, Dec 78

Endometrial pathology and its relation to estrogen therapy in patients with hypogonadism. Rosenwaks Z, et al. **Pediatrics** 62(6 Pt 2):1184-8, Dec 78

Estrogens: hormones' link to cancer disputed [news] Marx JL. **Science** 202(4374):1270-1, 22 Dec 78

[Early acute mesenteric and coronary ischemia during treatment of prostatic cancer by estrogens. 2 cases] Vinceneux P, et al. **Ann Med Interne (Paris)** 129(8-9):519-22, Aug-Sep 78 **(Fre)**

[Therapeutics in 1978] Dry J, et al. **Rev Prat** 28(41):3077-8, 3081-4, 3087-90, 21 Sep 78 (36 ref.) **(Fre)**

[Oral contraception: uncertainties and prospects] Mauvais-Jarvis P. **Rev Prat** 28(41):3143-6, 3149-50, 3153-6, 21 Sep 78 (Eng. Abstr.) **(Fre)**

[Effect of sex hormones on hemostasis] Andrassy K. **Fortschr Med** 96(40):2019-21, 26 Oct 78 **(Ger)**

[Estrogens and endometrial carcinoma. Position paper on the publication of the drug commission] Lauritzen C. **Fortschr Med** 96(45):2293-4, 1 Dec 78 **(Ger)**

[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. 1. Bones and hematopoiesis, hematopoiesis and kidney--effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273-6, 1 Dec 78 **(Ger)**

[More myomas caused by oral contraceptives? (letter)] Eder M. **MMW** 120(50):1662, 8 Dec 78 **(Ger)**

ANALYSIS

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417-27, Jul 78 (51 ref.)

Screening of Mesua ferrea (Nagkesar) for estrogenic & progestational activity in human & experimental models. Meherji PK, et al. **Indian J Exp Biol** 16(8):932-3, Aug 78

The management of high risk pregnancy. Anuman-Rajadhon Y, et al. **J Med Assoc Thai** 61(10):576-85, Oct 78

High-pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. Roos RW. **J Pharm Sci** 67(12):1735-9, Dec 78

[Round-table conference. Radioimmunologic studies: principles, interpretation of results, clinical significance] **Przegl Lek** 35(10):781-94, 1978 **(Pol)**

BIOSYNTHESIS

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758-65, 1 Dec 78

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249–55, Sep 78

The action of ethidium bromide and chloramphenicol on the steroidogenesis induced by gonadotrophic hormones in the ovaries of amphibia and mammals. Shmerling ZG, et al. **Gen Comp Endocrinol** 35(4):355–9, Aug 78

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007–11, Oct 78

[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep–Oct 78 **(Ukr)**

BLOOD

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)

Electrical and mechanical activity of rat uterus in vivo during the estrous cycle. Ishikawa M, et al. **Am J Obstet Gynecol** 132(6):611–9, 15 Nov 78

Effect of luteinizing hormone on ovarian release of steroids: ovarian vein–sampling technique in conscious gilt. Eiler H. **Am J Vet Res** 39(10):1695–8, Oct 78

Effects of progesterone on the adrenergic mechanisms of the genital tract. Moawad AH, et al. **Ann NY Acad Sci** 286:287–303, 11 Mar 77

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Enzyme immunoassay for total oestrogens in pregnancy plasma or serum. Bosch AM, et al. **Clin Chim Acta** 89(1):59–70, 2 Oct 78

Sensation seeking and gonadal hormones. Daitzman RJ, et al. **J Biosoc Sci** 10(4):401–8, Oct 78

Oestrogen and progesterone concentrations in peripheral blood in pregnant red foxes (Vulpes vulpes). Bonnin M, et al. **J Reprod Fertil** 54(1):37–41, Sep 78

Correlations of maternal and fetal endocrine events with uterine pressure changes around parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(1):1–8, Sep 78

The effect of passive immunization against oestrogens on the onset of parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(2):363–7, Nov 78

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134–7, Dec 78

[Preliminary results of a new radioimmunoassay for thyroxine binding globulin (T.B.G.) (author's transl)] Bisset JP, et al. **Nouv Presse Med** 7(32):2841–4, 23 Sep 78 (Eng. Abstr.) **(Fre)**

[Specific features in estrogen excretion during the 1st trimester of pregnancy following stimulation of the ovulation] Orlova VG, et al. **Vopr Okhr Materin Det** 23(9):80–2, Sep 78 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Elevated alkaline phosphatase in a hypoestrin-–hyperthyroid patient. Margolese MS, et al. **Am J Clin Pathol** 70(5):846, Nov 78

The study of induction of ovulation with menotropins: analysis of results of 1897 treatment cycles. Oelsner G, et al. **Fertil Steril** 30(5):538–44, Nov 78

[Effectiveness of single LH–RH stimulation in hypoestrogenis amenorrhea] Ruiz Velasco V, et al. **Ginecol Obstet Mex** 44(264):275–84, Oct 78 (Eng. Abstr.) **(Spa)**

METABOLISM

Diet and breast cancer: a review. Hankin JH, et al. **Am J Clin Nutr** 31(11):2005–16, Nov 78 (91 ref.)

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Hormonal control of progesterone receptors. Vu Hai MT, et al. **Ann NY Acad Sci** 286:199–209, 11 Mar 77

The influence of oestrogen on bone metabolism. Langeland N. **Arch Orthop Trauma Surg** 92(2–3):149–52, 30 Aug 78

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Estrogen and progesterone binding proteins in normal human myometrium and leiomyoma tissue. Pollow K, et al. **J Clin Chem Clin Biochem** 16(9):503–11, Sep 78

A review of embryonic mortality in cattle. Ayalon N. **J Reprod Fertil** 54(2):483–93, Nov 78 (72 ref.)

Therapeutic regimens and monitoring techniques for human menopausal gonadotropin administration. March CM. **J Reprod Med** 21(3 Suppl):198–204, Sep 78

Transformation of C18–, C19– and C21–steroids by cultures of Candida albicans. Ghraf R, et al. **J Steroid Biochem** 6(11–12):1531–6, Nov–Dec 75

Metabolism of androgens and estrogens by human fecal microorganisms. Lombardi P, et al. **J Steroid Biochem** 9(8):795–801, Aug 78

Opiate receptor binding activity of 17–alpha estrogenic steroids. LaBella FS, et al. **Life Sci** 23(17–18):1797–804, 30 Oct 78

Metabolic influences on the action of estrogens: therapeutic implications. Gurpide E. **Pediatrics** 62(6 Pt 2):1114–20, Dec 78

Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen–binding protein in rat testes. Bulger WH, et al. **Steroids** 32(2):165–77, Sep 78

[Oestrogens and clinical supervision: criterion of the hypothalamo–hypophyseal response to clomiphen citrate (proceedings) (author's transl)] Levrier M, et al. **Ann Endocrinol (Paris)** 39(3):261–2, 1978 (Eng. Abstr.) **(Fre)**

[Relationships between the size of ovarian follicles, the binding capacity of uterine estrogen receptors and estrogen concentrations in the follicular fluid and urine of calves under estrogen therapy] Rockel P, et al. **Berl Muench Tieraerztl Wochenschr** 91(24):476–9, 1978 (Eng. Abstr.) **(Ger)**

[The chicken-–a biochemical–endocrinological model] Schlatterer B. **DTW** 85(12):477–82, 5 Dec 78 (Eng. Abstr.) **(Ger)**

[Role of hormonal receptors in mammary gland carcinogenesis and estimation of its sensitivity to hormones] Szukalski B. **Endokrynol Pol** 29(6):441–58, Nov–Dec 78 **(Pol)**

PHARMACODYNAMICS

The influence of oestrogen on bone metabolism. Langeland N. **Arch Orthop Trauma Surg** 92(2–3):149–52, 30 Aug 78

Plasma sex hormone binding globulin and oestrogen therapy [proceedings] Jequier AM, et al. **Br J Pharmacol** 64(3):456P, Nov 78

Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al. **Cancer** 42(4):1720–9, Oct 78

Transcription of structural and intervening sequences in the ovalbumin gene and identification of potential ovalbumin mRNA precursors. Roop DR, et al. **Cell** 15(2):671–85, Oct 78

The difference between the sexes in their gonadotrophin responses to oestrogen or oestrogen–progestogen treatments [letter] Odell WD. **Clin Endocrinol (Oxf)** 9(4):387–8, Oct 78

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555–69, Oct 78 (71 ref.)

Methods of electrophoretical application of estrogen to a single neuron of the brain under in vivo and in vitro conditions. Yamada Y, et al. **Endocrinol Jpn** 25(4):397–401, Aug 78

Estrogens as disposing factors in experimental liver injury. Kulscár–Gergely J, et al. **Exp Pathol (Jena)** 16(1–6):283–90, 1978

Attenuation of thirst in estrogen–treated rats. Fregly MJ. **Fed Proc** 37(13):2694–8, Nov 78

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)

The effects of oestrogen treatment on certain plasma constituents associated with vitellogenesis in the elasmobranch Scyliorhinus canicula L. Craik JC. **Gen Comp Endocrinol** 35(4):455–64, Aug 78

Effects of chronically administered quinacrine hydrochloride on the histology & biochemistry of intact, ovariectomized & estrogen treated female genital tract of gerbil Meriones hurrianae Jerdon. Dixit VP, et al. **Indian J Exp Biol** 16(9):984–6, Sep 78

Effect of estrogens on uterine tone and life span of the corpus luteum in mares. Berg SL, et al. **J Anim Sci** 47(1):203–8, Jul 78

The scientific basis for the correlation between human and laboratory responses to carcinogens: overview, fact, myth and speculation. Clayson DB. **J Environ Pathol Toxicol**

2(1):1–8, Sep–Oct 78
Review of factors contributing to dry socket through enhanced fibrinolysis. Catellani JE. **J Oral Surg** 37(1):42–6, Jan 79 (30 ref.)
Influence of arginine vasotocin on the estrogen–induced surge of LH and FSH in adult ovariectomized rats. Blask DE, et al. **Life Sci** 23(10):1035–40, 11 Sep 78
Estrogen receptor binding and growth of the reproductive tract. Clark JH, et al. **Pediatrics** 62(6 Pt 2):1121–7, Dec 78
Differential biological activity of estradiol metabolites. Fishman J, et al. **Pediatrics** 62(6 Pt 2):1128–33, Dec 78
Composition of acidic glycoconjugates (glycosaminoglycans and glycoprotein) in myometrium of rabbit uterus under estrogenic condition. Endo M, et al. **Tohoku J Exp Med** 126(2):103–10, Oct 78
[Isotope nephrographic studies during hormonal contraception using Depositon] Voigt R, et al. **Zentralbl Gynaekol** 100(20):1338–42, 1978 (Eng. Abstr.) **(Ger)**
[The effect of enzymes on progesterone–receptor binding and chromatin binding of the complex in the estrogen–primed rabbit uterus (author's transl)] Tamaya T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1198–206, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
[Growth effect of oxandrolone in patients with Turner's syndrome (author's transl)] Armendares S, et al. **Rev Invest Clin** 30(4):343–50, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)
The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78
Gonadotrophins and ovarian–follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)
Theories regarding endocrine contributions to the onset of labor. Gay J. **JOGN Nurs** 7(5):42–7, Sep–Oct 78
Don't write us off as neurotics. Cooper W. **Nurs Mirror** 147(24):21–2, 14 Dec 78
Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)
Hormone–dependent brain differentiation and sexual behavior animal experiment. Dörner G. **Probl Actuels Endocrinol Nutr** (21):7–11, 1977
[Role of the cervical factor in the female reproductive function] Lavrushko IL. **Akush Ginekol (Mosk)** (10):1–5, 1978 (25 ref.) **(Rus)**
[New concept related to implantation. II. Decidual reaction] Gil Recasens ME, et al. **Ginecol Obstet Mex** 44(263):211–21, Sep 78 (Eng. Abstr.) **(Spa)**

POISONING

Enzyme activities and protein and carbohydrate concentrations in cervical secretions at dioestrus in normal ewes and ewes with permanent phytooestrogenic infertility. Tang BY, et al. **Aust J Biol Sci** 31(3):241–6, Jun 78

SECRETION

Role of pineal gland in aetiology and treatment of breast cancer [letter] **Lancet** 2(8097):1001–2, 4 Nov 78
[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**
[Testicular neoplasms: New endocrinologic and clinical results] Jacobi GH. **Urologe [A]** 17(6):399–401, Nov 78 **(Ger)**
[Significance of tryptophan metabolism disorders in obstetrics and gynecology] Korzon T, et al. **Ginekol Pol** 49(10):917–22, Oct 78 (20 ref.) (Eng. Abstr.) **(Pol)**
[Modern views on climacterium in women] Wolny HL, et al. **Wiad Lek** 31(19):1369–74, 1 Oct 78 (59 ref.) (Eng. Abstr.) **(Pol)**
[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep–Oct 78 **(Ukr)**

THERAPEUTIC USE

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)
Menopause: a welcome or dreaded stage of development. Pedersen B, et al. **J Nurse Midwife** 23:45–51, Fall 78
What you should know about estrogens. Or the perils of Pauline. Landau RL. **JAMA** 241(1):47–51, 5 Jan 79
Continuing education examination article. Estrogen therapy. Kim MH, et al. **Ohio State Med J** 74(11):691–706, Nov 78
Report of the Conference on estrogen treatment of the young. **Pediatrics** 62(6 Pt 2):1087–217, Dec 78
Estrogen treatment of the young: summary and recommendations. **Pediatrics** 62(6 Pt 2):1216–7, Dec 78
Estrogen treatment of girls with constitutional tall stature. Bierich JR. **Pediatrics** 62(6 Pt 2):1196–201, Dec 78
Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091–7, Dec 78
Treatment of tall girls with estrogen. Crawford JD. **Pediatrics** 62(6 Pt 2):1189–95, Dec 78
Behavioral effects of estrogen in the human female. Ehrhardt AA. **Pediatrics** 62(6 Pt 2):1166–70, Dec 78
Metabolic influences on the action of estrogens: therapeutic implications. Gurpide E. **Pediatrics** 62(6 Pt 2):1114–20, Dec 78
Treatment of Turner's syndrome with estrogen. Levine LS. **Pediatrics** 62(6 Pt 2):1178–83, Dec 78
Behavioral effects of estrogen treatment in human males. Meyer–Bahlburh HF. **Pediatrics** 62(6 Pt 2):1171–7, Dec 78
Effect of prenatal estrogen exposure on male genitalia. Mills JL, et al. **Pediatrics** 62(6 Pt 2):1160–65, Dec 78
Treatment of excessively tall girls and boys with sex hormones. Prader A, et al. **Pediatrics** 62(6 Pt 2):1202–10, Dec 78
Estrogen treatment of teenage girls in the United States: description of the treated population. Rooks JB. **Pediatrics** 62(6 Pt 2):1098–103, Dec 78
Endometrial pathology and its relation to estrogen therapy in patients with hypogonadism. Rosenwaks Z, et al. **Pediatrics** 62(6 Pt 2):1184–8, Dec 78
Sexuality in the menopause. Jones M, et al. **Probl Actuels Endocrinol Nutr** (21):119–24, 1977
Scanning electron microscopy of the effect of short–term hormonal therapy on postmenopausal endometrium. Nathan E, et al. **Ups J Med Sci** 83(3):175–83, 1978
[Sex disorders during menopause] Simonin R. **Probl Actuels Endocrinol Nutr** (21):133–50, 1977 (75 ref.) **(Fre)**
[Osteoporosis] Femppel J. **Fortschr Med** 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**
[Favorable effects of estrogens and progesterones on general diseases] Lauritzen C, et al. **Fortschr Med** 96(40):2014–8, 26 Oct 78 **(Ger)**
[Estrogens and endometrial carcinoma. Position paper on the publication of the drug commission] Lauritzen C. **Fortschr Med** 96(45):2293–4, 1 Dec 78 **(Ger)**
[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. 1. Bones and hematopoiesis, hematopoiesis and kidney—effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273–6, 1 Dec 78 **(Ger)**
[The prognostic significance of cytologic differentiation grades of estrogen–treated prostata carcinoma. Progress control of 496 prostate carcinoma patients treated with estrogen for five years (author's transl)] Faul P, et al. **Urologe [A]** 17(6):377–81, Nov 78 (Eng. Abstr.) **(Ger)**
[Analysis of the results of the long–term estrogen therapy of gonadal dysgenesis] Savitskiĭ GA. **Akush Ginekol (Mosk)** (10):41–4, 1978 (Eng. Abstr.) **(Rus)**
[Current trends in the treatment of the climacteric syndrome] Vikhliaeva EM. **Akush Ginekol (Mosk)** (10):63–7, 1978 (0 ref.) **(Rus)**
[Growth effect of oxandrolone in patients with Turner's syndrome (author's transl)] Armendares S, et al. **Rev Invest Clin** 30(4):343–50, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

URINE

Unconjugated oestetrol in plasma in response to an intravenous load of dehydroepiandrosterone sulphate (DHAS) in uncomplicated and complicated human pregnancy. Axelsson O. **Acta Endocrinol (Copenh)** 89(4):753–62, Dec 78
Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Starup J, et al. **Acta Endocrinol (Copenh)** 89(4):744–52, Dec 78
X–linked icthyosis. A sulphatase deficiency. Koppe G, et al. **Arch Dis Child** 53(10):803–6, Oct 78
Urinary oestrogen and pregnanediol excretion, endometrial and ovarian pathology and body weight in women with postmenopausal bleeding. Reti LL, et al. **Br J Obstet Gynaecol** 85(11):857–61, Nov 78
Extraction of Kober chromogen into tetrachloroethane containing trichloroacetic acid in determination of urinary estrogens during pregnancy [letter] Yang NY, et al. **Clin Chem** 24(12):2217, Dec 78
Interpretation of urinary oestrogen:creatinine ratio for monitoring fetoplacental function in late pregnancy. Phillips

SD, et al. **Clin Chim Acta** 89(1):71–8, 2 Oct 78
Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78
The excretion of steroids by the adult marmoset monkey (Callithrix jacchus). Shackleton CH. **J Steroid Biochem** 6(10):1429–32, Oct 75
The preparation of pregnancy urine for an estrogen profile. Cohen SL, et al. **Steroids** 32(2):279–93, Sep 78
[Relationships between the size of ovarian follicles, the binding capacity of uterine estrogen receptors and estrogen concentrations in the follicular fluid and urine of calves under estrogen therapy] Rockel P, et al. **Berl Muench Tieraerztl Wochenschr** 91(24):476–9, 1978 (Eng. Abstr.) **(Ger)**
[Antepartum recordings with a cardiotocograph] Lunde O. **Tidsskr Nor Laegeforen** 98(30):1514–6, 30 Oct 78 (Eng. Abstr.) **(Nor)**
[Treatment of severe forms of pathological climacteric] Anisimova MI, et al. **Akush Ginekol (Mosk)** (10):60–1, 1978 **(Rus)**
[Glucuronic acid, glucuronyltransferase and estrogens in breast cancer and precancer] Al'pert AE, et al. **Vopr Onkol** 24(10):66–70, 1978 (Eng. Abstr.) **(Rus)**
[A method of estrogens determination in urine by gas–liquid chromatography with application to everyday clinical practice] Campos ME, et al. **Rev Clin Esp** 150(3–4):133–5, Aug 78 (Eng. Abstr.) **(Spa)**
[Generative function in women with myasthenia (a review of the literature)] Mikhailenko OT, et al. **Pediatr Akush Ginekol** (5):57–9, Sep–Oct 78 **(Ukr)**

ESTROGENS, SYNTHETIC

What you should know about estrogens. Or the perils of Pauline. Landau RL. **JAMA** 241(1):47–51, 5 Jan 79

ADMINISTRATION & DOSAGE

Oral contraceptive estrogen and plasma lipid levels. Hedlin A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

ADVERSE EFFECTS

Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin–aldosterone system. Crane MG, et al. **Am J Med Sci** 276(1):33–55, Jul–Aug 78
Increase in cancer of the corpus uteri in the San Francisco–Oakland standard metropolitan statistical area, 1960–75. Austin DF, et al. **JNCI** 62(1):13–6, Jan 79
Pathogenesis of prolactin–secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

ANALYSIS

High–pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. Roos RW. **J Pharm Sci** 67(12):1735–9, Dec 78

PHARMACODYNAMICS

New hypolipidemic drugs. Bencze WL. **Adv Exp Med Biol** 109:77–95, 1978 (61 ref.)
Effect of progestins on glucose and lipid metabolism. Beck P. **Ann NY Acad Sci** 286:434–45, 11 Mar 77 (57 ref.)
Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77
A role for progesterone in breast cancer. McGuire WL, et al. **Ann NY Acad Sci** 286:90–100, 11 Mar 77 (135 ref.)
Effects of progesterone on the adrenergic mechanisms of the genital tract. Moawad AH, et al. **Ann NY Acad Sci** 286:287–303, 11 Mar 77
Effects of estrogen and progesterone on ovalbumin synthesis in the withdrawn oviduct. Schimke RT, et al. **Ann NY Acad Sci** 286:116–24, 11 Mar 77
Estradiol receptor and 17 beta–dehydrogenase in normal and abnormal human endometrium. Tseng L, et al. **Ann NY Acad Sci** 286:190–8, 11 Mar 77
Reminiscences and comments on progesterone research. Wiest WG. **Ann NY Acad Sci** 286:446–9, 11 Mar 77
Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78
Subpopulations of breast carcinoma defined by S–phase fraction, morphology, and estrogen receptor content. Meyer JS, et al. **Lab Invest** 39(3):225–35, Sep 78
Oral contraceptive estrogen and plasma lipid levels. Hedlin A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

THERAPEUTIC USE

New directions in the treatment of breast cancer: hormone–binding receptors. Katz ME. **Conn Med** 42(12):761–5, Dec 78
Carcinoma of the male breast: a thirty year experience and literature review. Roswit B, et al. **Int J Radiat Oncol Biol Phys** 4(7–8):711–6, Jul–Aug 78 (41 ref.)

TOXICITY

Pituitary adenomas and oral contraceptives [letter] **Lancet** 2(8104–5):1384, 23–30 Dec 78

ETHINYL ESTRADIOL

ADMINISTRATION & DOSAGE

Variations in serum protein fractions following a continuous long term intake of eugynon and lyndiol by Iranian women. Kamyab S, et al. **J Steroid Biochem** 9(8):811–2, Aug 78
Vitamin–D analogues and renal function [letter] **Lancet** 2(8102):1259–60, 9 Dec 78
[Biological activities of 3 different types of ethynodiol diacetate–ethynyl estradiol combinations (author's transl)] Higashiyama S. **Nippon Funin Gakkai Zasshi** 23(4):414–20, Oct 78 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449–54, 1978
Focal nodular hyperplasia of the liver and oral contraceptives. Kinch R, et al. **Am J Obstet Gynecol** 132(7):717–27, 1 Dec 78
Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Morigi EM, et al. **Curr Med Res Opin** 5(8):655–62, 1978
Effect of prenatal estrogen exposure on male genitalia. Mills JL, et al. **Pediatrics** 62(6 Pt 2):1160–65, Dec 78
Multiple pulmonary thromboemboli and pneumothorax. Complications of exogenous estrogen in an alpha–1–antitrypsin deficient woman. Fiechtner JJ, et al. **Wis Med J** 77(10):S103–6, Oct 78
[Liver tumors and oral contraceptives] Gonvers JJ, et al. **Schweiz Med Wochenschr** 108(48):1899–901, 2 Dec 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

High–pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. Roos RW. **J Pharm Sci** 67(12):1735–9, Dec 78

BLOOD

The pharmacokinetics of tritiated ethinylestradiol in the rabbit. Back DJ, et al. **Steroids** 32(4):423–33, Nov 78

METABOLISM

Biliary excretion of synthetic sex steroids in heterozygous and homozygous Gunn rats. Back DJ, et al. **Life Sci** 23(10):1053–6, 11 Sep 78

PHARMACODYNAMICS

The effects of menstruation and Microgynon 30 on sway behaviour. Graham SE, et al. **Agressologie** 19(B):55–6, 1978
Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Morigi EM, et al. **Curr Med Res Opin** 5(8):655–62, 1978
Attenuation of thirst in estrogen–treated rats. Fregly MJ. **Fed Proc** 37(13):2694–8, Nov 78
Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78
Hormones and high–density lipoproteins [letter] Manninen V, et al. **Lancet** 2(8100):1155, 25 Nov 78
Oral contraceptive estrogen and plasma lipid levels. Hedlin

A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571–4, Nov 78

[Changes in carbohydrate metabolism brought about by combined oral contraceptives] De Oliveira MH, et al. **Gynecologie** 29(4):403–7, 1978 **(Fre)**

[Biological activities of 3 different types of ethynodiol diacetate–ethynyl estradiol combinations (author's transl)] Higashiyama S. **Nippon Funin Gakkai Zasshi** 23(4):414–20, Oct 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449–54, 1978

Elevated alkaline phosphatase in a hypoestrin––hyperthyroid patient. Margolese MS, et al. **Am J Clin Pathol** 70(5):846, Nov 78

An assessment of (1) cyproterone acetate and (2) ethinyl oestradiol and lynoestrenol (Minilyn) in the treatment of idiopathic hirsutism. Anderson JA. **Br J Dermatol** 99(5):545–52, Nov 78

Menopausal hot flushes: a double blind comparison of placebo, ethinyl oestradiol and norgestrel. Dennerstein L, et al. **Br J Obstet Gynaecol** 85(11):852–6, Nov 78

Estrogen use in children and adolescents: a survey. Conte FA, et al. **Pediatrics** 62(6 Pt 2):1091–7, Dec 78

Treatment of Turner's syndrome with estrogen. Levine LS. **Pediatrics** 62(6 Pt 2):1178–83, Dec 78

Effect of prenatal estrogen exposure on male genitalia. Mills JL, et al. **Pediatrics** 62(6 Pt 2):1160–65, Dec 78

Treatment of excessively tall girls and boys with sex hormones. Prader A, et al. **Pediatrics** 62(6 Pt 2):1202–10, Dec 78

Estrogen treatment of teenage girls in the United States: description of the treated population. Rooks JB. **Pediatrics** 62(6 Pt 2):1098–103, Dec 78

[12 cases of polycystic ovary type 1 (Stein–Leventhal syndrome): complete hormonal study (author's transl)] Mauvais–Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

ETHYLESTRENOL

PHARMACODYNAMICS

[Non–enzymatic fibrinolytic agents] Nilsson IM, et al. **Ann Anesthesiol Fr** 19(8):697–702, 1978 (Eng. Abstr.) **(Fre)**

ETHYNODIOL DIACETATE

ADMINISTRATION & DOSAGE

[Biological activities of 3 different types of ethynodiol diacetate–ethynyl estradiol combinations (author's transl)] Higashiyama S. **Nippon Funin Gakkai Zasshi** 23(4):414–20, Oct 78 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Chorea complicating oral contraceptive therapy. Case report and review of the literature. Pulsinelli WA, et al. **Am J Med** 65(3):557–9, Sep 78

Multiple pulmonary thromboemboli and pneumothorax. Complications of exogenous estrogen in an alpha–1–antitrypsin deficient woman. Fiechtner JJ, et al. **Wis Med J** 77(10):S103–6, Oct 78

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

PHARMACODYNAMICS

[Biological activities of 3 different types of ethynodiol diacetate–ethynyl estradiol combinations (author's transl)] Higashiyama S. **Nippon Funin Gakkai Zasshi** 23(4):414–20, Oct 78 (Eng. Abstr.) **(Jpn)**

FLUOXYMESTERONE

PHARMACODYNAMICS

[Erythropoietin in serum and urine in healthy persons and patients with chronic renal disease upon hypoxic stimulation and hypoxic stimulation after pretreatment with fluoxymesterone (author's transl)] Schulz E, et al. **Klin Wochenschr** 56(20):1019–27, 15 Oct 78 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Treatment of primary amyloidosis [editorial] **Lancet** 2(8101):1187–8, 2 Dec 78

HEXESTROL

ANALOGS & DERIVATIVES

[Effect of iodobenzoteph and cytostasan on several immune responses in animals] Pykhtina AA. **Farmakol Toksikol** 41(6):719–23, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ANALYSIS

Modified method for electron capture gas–liquid chromatographic determination of hexestrol residues in bovine tissues. Tobioka H, et al. **J Assoc Off Anal Chem** 61(5):1054–7, Sep 78

PHARMACODYNAMICS

[Effect of several drugs and nonspecific substances on the uterine microflora of cows during the puerperal period and at the time of impregnation] Konstantinov P, et al. **Vet Med Nauki** 15(3):36–41, 1978 (Eng. Abstr.) **(Bul)**

[Effect of iodobenzoteph and cytostasan on several immune responses in animals] Pykhtina AA. **Farmakol Toksikol** 41(6):719–23, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

HYDROXYPROGESTERONES

The solubilization of progesterone by mixed bile salt–phospholipid sols. Martin GP, et al. **Chem Phys Lipids** 22(3):227–38, Oct 78

BLOOD

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Response of the hypothalamic–pituitary–testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

Recent trends in methodological simplification of steroid radioimmunoassay. Malvano R, et al. **Horm Res** 9(6):422–39, 1978

Simultaneous radioimmunoassay of plasma progesterone and 17–hydroxyprogesterone normal values in children, in men and in women throughout the menstrual cycle and in early pregnancy. Tea NT, et al. **J Steroid Biochem** 6(11–12):1509–16, Nov–Dec 75

Oestradiol–17beta, progesterone and 17alpha–hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier M, et al. **J Steroid Biochem** 6(10):1433–7, Oct 75

METABOLISM

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355–68, 11 Mar 77

Inhibition of fetal adrenal 21–hydroxylase by naturally occurring steroids. Yoshida N, et al. **Endocrinol Jpn** 25(4):349–53, Aug 78

Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea–pig adrenals. Patwardhan VV, et al. **J Steroid Biochem** 6(10):1451–4, Oct 75

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

PHARMACODYNAMICS

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355–68, 11 Mar 77

HYDROXYTESTOSTERONES

ANTAGONISTS & INHIBITORS

Medical treatment of baldness. Orentreich N. **Ann Plast Surg** 1(1):116–8, Jan 78

BLOOD

Medical treatment of baldness. Orentreich N. **Ann Plast Surg** 1(1):116–8, Jan 78

CHEMICAL SYNTHESIS

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519–27, Nov 78

METABOLISM

Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Numazawa M, et al. **Steroids** 32(4):519–27, Nov 78

LYNESTRENOL

ADMINISTRATION & DOSAGE

Variations in serum protein fractions following a continuous long term intake of eugynon and lyndiol by Iranian women. Kamyab S, et al. **J Steroid Biochem** 9(8):811–2, Aug 78

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

Gas-liquid chromatographic analysis of lynestrenol in contraceptive tablets. Rizk M, et al. **Pharmazie** 33(8):521–2, Aug 78

PHARMACODYNAMICS

Clinical experience with implant contraception. Coutinho E. **Contraception** 18(4):411–27, Oct 78

Hormones and high-density lipoproteins [letter] Manninen V, et al. **Lancet** 2(8100):1155, 25 Nov 78

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

An assessment of (1) cyproterone acetate and (2) ethinyl oestradiol and lynoestrenol (Minilyn) in the treatment of idiopathic hirsutism. Anderson JA. **Br J Dermatol** 99(5):545–52, Nov 78

MEDROXYPROGESTERONE

ADMINISTRATION & DOSAGE

High dose medroxyprogesterone-acetate treatment in advanced mammary carcinoma. A phase II investigation. Mattsson W. **Acta Radiol Oncol Radiat Phys Biol** 17(5):387–400, 1978

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

Effect of medroxyprogesterone acetate contraception on cytoplasmic estrogen receptor content of the human cervix uteri. Rall HJ, et al. **Int J Fertil** 23(1):51–6, 1978

Progeston therapy for menstrually related aphthae. Ferguson MM, et al. **Int J Oral Surg** 7(5):463–70, Oct 78

ADVERSE EFFECTS

Progeston therapy for menstrually related aphthae. Ferguson MM, et al. **Int J Oral Surg** 7(5):463–70, Oct 78

ANALOGS & DERIVATIVES

Androgenic, synandrogenic, and antiandrogenic actions of progestins. Bullock LP, et al. **Ann NY Acad Sci** 286:321–30, 11 Mar 77

Factors that influence steroid induction of endometrial glycogenesis in organ culture. Demers LM, et al. **Ann NY Acad Sci** 286:249–59, 11 Mar 77

Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al. **Cancer** 42(4):1720–9, Oct 78

BLOOD

Effect of medroxyprogesterone acetate contraception on cytoplasmic estrogen receptor content of the human cervix uteri. Rall HJ, et al. **Int J Fertil** 23(1):51–6, 1978

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

Androgenic, synandrogenic, and antiandrogenic actions of progestins. Bullock LP, et al. **Ann NY Acad Sci** 286:321–30, 11 Mar 77

PHARMACODYNAMICS

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

Factors that influence steroid induction of endometrial glycogenesis in organ culture. Demers LM, et al. **Ann NY Acad Sci** 286:249–59, 11 Mar 77

Recent advances in the pharmacologic regulation of fertility in men. Barwin BN. **Can Med Assoc J** 119(7):757–9, 7 Oct 78

Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Seal US, et al. **Cancer** 42(4):1720–9, Oct 78

Vitamin and trace mineral metabolism in medroxyprogesterone acetate users. Amatayakul K, et al. **Contraception** 18(3):253–69, Sep 78

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

Effect of medroxyprogesterone acetate contraception on cytoplasmic estrogen receptor content of the human cervix uteri. Rall HJ, et al. **Int J Fertil** 23(1):51–6, 1978

Cellular regulation of the metabolism of androgens in rat oral mucosa: I. Effect of medroxyprogesterone acetate (MPA) on the soluble supernatant (cytosol) activating microsomal delta4-3-ketosteroid-5alpha-reductase and 17beta-hydroxysteroid oxidoreductase enzyme systems. Vittek J, et al. **J Dent Res** 57(11–12):1016–8, Nov-Dec 78

Role of ACTH on the effect of medroxyprogesterone in brain stem serotonin. Izquierdo JA, et al. **Pharmacol Res Commun** 10(7):643–56, Jul 78

THERAPEUTIC USE

High dose medroxyprogesterone-acetate treatment in advanced mammary carcinoma. A phase II investigation. Mattsson W. **Acta Radiol Oncol Radiat Phys Biol** 17(5):387–400, 1978

Progeston therapy for menstrually related aphthae. Ferguson MM, et al. **Int J Oral Surg** 7(5):463–70, Oct 78

Behavioral effects of estrogen in the human female. Ehrhardt AA. **Pediatrics** 62(6 Pt 2):1166–70, Dec 78

MEGESTROL

ADMINISTRATION & DOSAGE

Steroid release from silastic capsules and rods. Nash HA, et al. **Contraception** 18(4):367–94, Oct 78

Release of contraceptive steroids from sustained release dosage forms and resulting plasma levels. Nash HA, et al. **Contraception** 18(4):395–409, Oct 78

BLOOD

Release of contraceptive steroids from sustained release dosage forms and resulting plasma levels. Nash HA, et al. **Contraception** 18(4):395–409, Oct 78

PHARMACODYNAMICS

Clinical experience with implant contraception. Coutinho E. **Contraception** 18(4):411–27, Oct 78

Contraception with long acting subdermal implants: I. An effective and acceptable modality in international clinical trials. Coutinho E, et al. **Contraception** 18(4):315–33, Oct 78

Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78

Treatment of advanced cancer of prostate with megestrol acetate. Geller J, et al. **Urology** 12(5):537–41, Nov 78

Control of feral cat populations by long-term administration of megestrol acetate. Remfry J. **Vet Rec** 103(18):403–4, 28 Oct 78

THERAPEUTIC USE

Treatment of advanced cancer of prostate with megestrol acetate. Geller J, et al. **Urology** 12(5):537–41, Nov 78

MESTRANOL

ADMINISTRATION & DOSAGE

Variations in serum protein fractions following a continuous long term intake of eugynon and lyndiol by Iranian women. Kamyab S, et al. **J Steroid Biochem** 9(8):811–2, Aug 78

Oral contraceptive estrogen and plasma lipid levels. Hedlin A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

ADVERSE EFFECTS

Chorea complicating oral contraceptive therapy. Case report and review of the literature. Pulsinelli WA, et al. **Am J Med** 65(3):557–9, Sep 78

Focal nodular hyperplasia of the liver and oral contraceptives. Kinch R, et al. **Am J Obstet Gynecol** 132(7):717–27, 1 Dec 78

Cerebrovascular occlusion in a transsexual man taking mestranol. deMarinis M, et al. **Arch Intern Med** 138(11):1732–3, Nov 78

[Liver tumors and oral contraceptives] Gonvers JJ, et al. **Schweiz Med Wochenschr** 108(48):1899–901, 2 Dec 78 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78

Oral contraceptive estrogen and plasma lipid levels. Hedlin A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571–4, Nov 78

THERAPEUTIC USE

Estrogen treatment of teenage girls in the United States: description of the treated population. Rooks JB. **Pediatrics** 62(6 Pt 2):1098–103, Dec 78

METHANDROSTENOLONE

ADMINISTRATION & DOSAGE

[Treatment of hereditary angioneurotic edema with androgens] Lagrue G, et al. **Nouv Presse Med** 7(33):2927–31, 30 Sep 78 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Treatment of hereditary angioneurotic edema with androgens] Lagrue G, et al. **Nouv Presse Med** 7(33):2927–31, 30 Sep 78 (Eng. Abstr.) **(Fre)**

METHYLTESTOSTERONE

ANALOGS & DERIVATIVES

Calusterone. Brodkin RA, et al. **Ann Intern Med** 89(6):945–8, Dec 78 (37 ref.)

THERAPEUTIC USE

The 'cure' of an inherited disease. Alper CA. **J Lab Clin Med** 92(4):497–500, Oct 78

Treatment of excessively tall girls and boys with sex hormones. Prader A, et al. **Pediatrics** 62(6 Pt 2):1202–10, Dec 78

Effects of methyltestosterone and oophorectomy in acute experimental mediocalcinosis in the rat. Hodara MA, et al. **Rev Bras Pesqui Med Biol** 11(4–5):237–40, Oct 78

NANDROLONE

ADVERSE EFFECTS

Effects of mibolerone on conception, pregnancy, parturition, and offspring in the Beagle. Sokolowski JH, et al. **Am J Vet Res** 39(5):837–9, May 78

ANALOGS & DERIVATIVES

Effects of mibolerone on conception, pregnancy, parturition, and offspring in the Beagle. Sokolowski JH, et al. **Am J Vet Res** 39(5):837–9, May 78

Evaluation of estrous activity in bitches treated with mibolerone and exposed to adult male dogs. Sokolowski JH. **J Am Vet Med Assoc** 173(8):983–4, 15 Oct 78

[Pathogenetic therapy procedures in cobalt lesions of the myocardium] Chekunova MP, et al. **Gig Tr Prof Zabol** (12):50–2, Dec 78 **(Rus)**

PHARMACODYNAMICS

Effects of mibolerone on conception, pregnancy, parturition, and offspring in the Beagle. Sokolowski JH, et al. **Am J Vet Res** 39(5):837–9, May 78

A stereological analysis of the effect of 19-nortestosterone (Durabolin) on rat skeletal muscle. Beck S, et al. **Br J Exp Pathol** 59(5):514–21, Oct 78

Enhanced post-irradiation recovery of the haemopoietic system in animals pretreated with a variety of cytotoxic agents. Millar JL, et al. **Cell Tissue Kinet** 11(5):543–53, Sep 78

Evaluation of estrous activity in bitches treated with mibolerone and exposed to adult male dogs. Sokolowski JH. **J Am Vet Med Assoc** 173(8):983–4, 15 Oct 78

THERAPEUTIC USE

[Androgen therapy of incurable breast neoplasms. Controlled clinical study: nandrolone-testololactone-drostanolone] Wolff G, et al. **Onkologie** 1(4):172–4, Aug 78 (Eng. Abstr.) **(Ger)**

[Pathogenetic therapy procedures in cobalt lesions of the myocardium] Chekunova MP, et al. **Gig Tr Prof Zabol** (12):50–2, Dec 78 **(Rus)**

NORETHANDROLONE

Evidence for microfilament involvement in norethandrolone-induced intrahepatic cholestasis. Phillips MJ, et al. **Am J Pathol** 93(3):729–44, Dec 78

ADMINISTRATION & DOSAGE

Evidence for microfilament involvement in norethandrolone-induced intrahepatic cholestasis. Phillips MJ, et al. **Am J Pathol** 93(3):729–44, Dec 78

NORETHINDRONE

ADMINISTRATION & DOSAGE

Combined cytotoxic and progestogen therapy for advanced breast cancer. Rubens RD, et al. **Cancer** 42(4):1680–6, Oct 78

Steroid release from silastic capsules and rods. Nash HA, et al. **Contraception** 18(4):367–94, Oct 78

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

First-pass effect of norethindrone in rabbits and rats. Back DJ, et al. **J Pharmacol Exp Ther** 207(2):555–65, Nov 78

Vitamin-D analogues and renal function [letter] **Lancet** 2(8102):1259–60, 9 Dec 78

[Mathematical modeling of pharmacokinetic processes and its potential practical application] Diachina EG. **Biofizika** 23(6):1051–5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Focal nodular hyperplasia of the liver and oral contraceptives. Kinch R, et al. **Am J Obstet Gynecol** 132(7):717–27, 1 Dec 78

Combined cytotoxic and progestogen therapy for advanced breast cancer. Rubens RD, et al. **Cancer** 42(4):1680–6, Oct 78

Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Morigi EM, et al. **Curr Med Res Opin** 5(8):655–62, 1978

ANALOGS & DERIVATIVES

Combined cytotoxic and progestogen therapy for advanced breast cancer. Rubens RD, et al. **Cancer** 42(4):1680–6, Oct 78

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

The reduction of the enterohepatic circulation of norethisterone by antibiotics in the rat [proceedings] Back DJ, et al. **Br J Pharmacol** 64(3):401P, Nov 78

First-pass effect of norethindrone in rabbits and rats. Back DJ, et al. **J Pharmacol Exp Ther** 207(2):555–65, Nov 78

Biliary excretion of synthetic sex steroids in heterozygous and homozygous Gunn rats. Back DJ, et al. **Life Sci** 23(10):1053–6, 11 Sep 78

PHARMACODYNAMICS

Clinical experience with implant contraception. Coutinho E. **Contraception** 18(4):411–27, Oct 78

Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Morigi EM, et al. **Curr Med Res Opin** 5(8):655–62, 1978

Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

Hormones and high-density lipoproteins [letter] Manninen V, et al. **Lancet** 2(8100):1155, 25 Nov 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571–4, Nov 78

[Peculiar secretory activity of endometrial cancer cells during progestational therapy] Szarvas Z. **Morphol Igazsagugyi Orv Sz** 18(2):101–6, Apr 78 (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Changes in bone mineral content in women with natural menopause during treatment with female sex hormones. Dalén N, et al. **Acta Obstet Gynecol Scand** 57(5):435–7, 1978

Menopausal therapy and endometrial pathology [letter] Studd J, et al. **Br Med J** 2(6148):1369, 11 Nov 78

Treatment of tall girls with estrogen. Crawford JD. **Pediatrics** 62(6 Pt 2):1189–95, Dec 78

Treatment of excessively tall girls and boys with sex hormones. Prader A, et al. **Pediatrics** 62(6 Pt 2):1202–10, Dec 78

Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Nathan E, et al. **Ups J Med Sci** 83(3):175–83, 1978

[Peculiar secretory activity of endometrial cancer cells during progestational therapy] Szarvas Z. **Morphol Igazsagugyi Orv Sz** 18(2):101–6, Apr 78 (Eng. Abstr.) **(Hun)**

NORETHYNODREL

BLOOD

Norethynodrel binding to human plasma proteins. Murugesan K, et al. **J Steroid Biochem** 6(11–12):1495–9, Nov-Dec 75

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

PHARMACODYNAMICS

Attenuation of thirst in estrogen-treated rats. Fregly MJ. **Fed Proc** 37(13):2694–8, Nov 78

THERAPEUTIC USE

[Sex disorders during menopause] Simonin R. **Probl Actuels Endocrinol Nutr** (21):133–50, 1977 (75 ref.) **(Fre)**

NORGESTREL

ADMINISTRATION & DOSAGE

Release of contraceptive steroids from sustained release dosage forms and resulting plasma levels. Nash HA, et al. **Contraception** 18(4):395–409, Oct 78

Steroid release from silastic capsules and rods. Nash HA, et al. **Contraception** 18(4):367–94, Oct 78

The effect of norgestrel and clogestone on the spontaneous motility of the human fallopian tube. Elder MG, et al. **Int J Fertil** 23(1):61–4, 1978

Variations in serum protein fractions following a continuous long term intake of eugynon and lyndiol by Iranian women. Kamyab S, et al. **J Steroid Biochem** 9(8):811–2, Aug 78

[Evaluation of an estrogen-progestagen combination in reduced doses with contraceptive purpose] Foix A, et al. **Obstet Ginecol Lat Am** 36(1–2):23–31, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Focal nodular hyperplasia of the liver and oral contraceptives. Kinch R, et al. **Am J Obstet Gynecol** 132(7):717–27, 1 Dec 78

Contraception with long acting subdermal implants: II. Measured and perceived effects in international clinical trials. Coutinho E, et al. **Contraception** 18(4):335–53, Oct 78

Contraception with long acting subdermal implants: I. An effective and acceptable modality in international clinical trials. Coutinho E, et al. **Contraception** 18(4):315–33, Oct 78

[Evaluation of an estrogen-progestagen combination in reduced doses with contraceptive purpose] Foix A, et al. **Obstet Ginecol Lat Am** 36(1–2):23–31, Jan-Feb 78 (Eng. Abstr.) **(Spa)**

BLOOD

Sustained intrauterine release of d-norgestrel. Luukkainen T, et al. **Contraception** 18(4):451–4, Oct 78

Release of contraceptive steroids from sustained release dosage forms and resulting plasma levels. Nash HA, et al. **Contraception** 18(4):395–409, Oct 78

Determination of plasma concentrations of d-norgestrel during a one year follow-up in women with a d-norgestrel-releasing IUD. Nilsson CG, et al. **Contraception** 17(6):569–73, Jun 78

Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Toivonen J, et al.

Contraception 18(3):201–11, Sep 78

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

PHARMACODYNAMICS

The effects of menstruation and Microgynon 30 on sway behaviour. Graham SE, et al. **Agressologie** 19(B):55–6, 1978

Contraception with long acting subdermal implants: II. Measured and perceived effects in international clinical trials. Coutinho E, et al. **Contraception** 18(4):335–53, Oct 78

Contraception with long acting subdermal implants: I. An effective and acceptable modality in international clinical trials. Coutinho E, et al. **Contraception** 18(4):315–33, Oct 78

Clinical experience with implant contraception. Coutinho E. **Contraception** 18(4):411–27, Oct 78

Clinical chemistry in women treated with progestogen implants. Croxatto HB, et al. **Contraception** 18(4):441–50, Oct 78

Long acting contraceptive implants. An analysis of menstrual bleeding patterns. Faundes A, et al. **Contraception** 18(4):355–65, Oct 78

Sustained intrauterine release of d-norgestrel. Luukkainen T, et al. **Contraception** 18(4):451–4, Oct 78

Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78

The effect of norgestrel and clogestone on the spontaneous motility of the human fallopian tube. Elder MG, et al. **Int J Fertil** 23(1):61–4, 1978

Oral contraceptive estrogen and plasma lipid levels. Hedlin A, et al. **Obstet Gynecol** 52(4):430–5, Oct 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571–4, Nov 78

[Changes in carbohydrate metabolism brought about by combined oral contraceptives] De Oliveira MH, et al. **Gynecologie** 29(4):403–7, 1978 **(Fre)**

THERAPEUTIC USE

Menopausal hot flushes: a double blind comparison of placebo, ethinyl oestradiol and norgestrel. Dennerstein L, et al. **Br J Obstet Gynaecol** 85(11):852–6, Nov 78

Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Nathan E, et al. **Ups J Med Sci** 83(3):175–83, 1978

OXANDROLONE

PHARMACODYNAMICS

[Growth effect of oxandrolone in patients with Turner's syndrome (author's transl)] Armendares S, et al. **Rev Invest Clin** 30(4):343–50, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

[Growth effect of oxandrolone in patients with Turner's syndrome (author's transl)] Armendares S, et al. **Rev Invest Clin** 30(4):343–50, Oct–Dec 78 (Eng. Abstr.) **(Spa)**

OXYMETHOLONE

ADMINISTRATION & DOSAGE

Effect of a single oral dose of oxymetholone on the metabolism of human erythrocytes. Molinari PF, et al. **Exp Hematol** 6(8):648–54, Sep 78

PHARMACODYNAMICS

Effect of a single oral dose of oxymetholone on the metabolism of human erythrocytes. Molinari PF, et al. **Exp Hematol** 6(8):648–54, Sep 78

PREGNANEDIOL

BIOSYNTHESIS

Isolated Sertoli cells from immature rats produce 20alpha-hydroxy-pregn-4-en-3-one from progesterone and 3beta,20alpha-dihydroxy-5alpha-pregnane from pregnenolone. Wiebe JP. **Biochem Biophys Res Commun** 84(4):1003–8, 30 Oct 78

BLOOD

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801–7, May–Jun 78 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep–Oct 78 **(Ukr)**

URINE

Urinary oestrogen and pregnanediol excretion, endometrial and ovarian pathology and body weight in women with postmenopausal bleeding. Reti LL, et al. **Br J Obstet Gynaecol** 85(11):857–61, Nov 78

Colpocytology and its correlation with urinary oestriol and pregnanediol in third trimester of pregnancy. Aikat M. **Indian J Pathol Microbiol** 21(1):61–7, Jan 78

PREGNANES

BLOOD

Management of congenital hypoaldosteronism. Sack J, et al. **Monogr Hum Genet** 10:181–4, 1978

URINE

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

[Gas chromatographic determination of urinary 17-ketosteroids in normal adults of various ages] Loré F. **Minerva Med** 69(43):2927–42, 19 Sep 78 (Eng. Abstr.) **(Ita)**

PREGNENOLONE

3beta-Hydroxysteroid dehydrogenase activity in human fetal membranes. Gibb W, et al. **Steroids** 32(3):365–72, Oct 78

ANALOGS & DERIVATIVES

Pregnenolone sulfate binding in the guinea pig adrenal cortex: comparison with pregnenolone binding. Strott CA, et al. **Biochemistry** 17(21):4557–63, 17 Oct 78

BIOSYNTHESIS

Cholesterol side-chain cleavage, cytochrome P450, and iron-sulfur protein in human placental mitochondria. Simpson ER, et al. **Arch Biochem Biophys** 190(2):800–8, Oct 78

The role of protein kinases in ACTH-stimulated steroidogenesis. Hofmann K, et al. **Biochem Biophys Res Commun** 84(4):1136–43, 30 Oct 78

Control of sterol metabolism in rat adrenal mitochondria. Mason JI, et al. **Biochem J** 174(3):1045–51, 15 Sep 78

Biosynthesis of pregnenolone from cholesterol by mitochondrial enzymes of bovine adrenal cortex. The question of the participation of the 20(22)-olefins and 20, 22-epoxides of cholesterol. Teicher BA, et al. **Eur J Biochem** 91(1):11–9, 2 Nov 78

BLOOD

Progesterone binding to serum proteins. Westphal U, et al. **Ann NY Acad Sci** 286:10–28, 11 Mar 77 (50 ref.)

[Radioimmunoassay for plasma pregnenolone. Dexamethasone suppressibility of plasma pregnenolone (author's transl)] Nishida S, et al. **Radioisotopes** 27(9):543–6, Sep 78 **(Jpn)**

METABOLISM

Isolated Sertoli cells from immature rats produce 20alpha-hydroxy-pregn-4-en-3-one from progesterone and 3beta,20alpha-dihydroxy-5alpha-pregnane from pregnenolone. Wiebe JP. **Biochem Biophys Res Commun** 84(4):1003–8, 30 Oct 78

Pregnenolone sulfate binding in the guinea pig adrenal cortex: comparison with pregnenolone binding. Strott CA, et al. **Biochemistry** 17(21):4557–63, 17 Oct 78

Testicular steroid biosynthesis by the green lizard Lacerta viridis. Hews EA, et al. **Gen Comp Endocrinol** 35(4):432–5, Aug 78

Further evidence for decreased delta5-3beta-hydroxysteroid dehydrogenase activity in female tadpoles after estradiol treatment. Hsü CY, et al. **Gen Comp Endocrinol** 35(4):451–4, Aug 78

Steroid transformations in porcine salivary glands. Kadis B, et al. **J Steroid Biochem** 6(11–12):1543–8, Nov–Dec 75

Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea-pig adrenals. Patwardhan VV, et al. **J Steroid Biochem** 6(10):1451–4, Oct 75

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257–67, Sep 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

PHARMACODYNAMICS

Effects of sodium nitroprusside and ascorbic acid on rat adrenocortical cell cGMP levels and steroidogenesis. Laychock SG, et al. **J Cyclic Nucleotide Res** 4(5):335–44, Oct 78

PROGESTATIONAL HORMONES

Progestasert IUD and ectopic pregnancy [news] **FDA Drug Bull** 8(6):37, Dec 78–Jan 79

Conservative correction of uterine anomalies in cases of congenital and posttraumatic infertility. Danezis J, et al. **Int J Fertil** 23(2):118–22, 1978

A review of the evidence linking estrogens and cancer in animals. Hertz R. **Pediatrics** 62(6 Pt 2):1138–42, Dec 78

[Progestins and oral contraception. The role of progestins alone before the uncertainties and perspectives of oral contraception (interview)] Mauvais-Jarvis P. **Concours Med** 100(43):7125–30, 25 Nov 78 **(Fre)**

ADMINISTRATION & DOSAGE

Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391–6, Aug 78

ADVERSE EFFECTS

Patient brochure for progestins warns against use in pregnancy [news] **FDA Drug Bull** 8(6):36–7, Dec 78–Jan 79

Complications of the new contraceptive preparations. Clinch J. **Ir Med J** 71(15):513–4, 31 Oct 78

Effect of oral contraceptive therapy on gingival inflammation in humans. Kalkwarf KL. **J Periodontol** 49(11):560–3, Nov 78

Maternal progestins as a possible cause of hypospadias. Aarskog D. **N Engl J Med** 300(2):75–8, 11 Jan 79 (40 ref.)

[Oral contraception: uncertainties and prospects] Mauvais-Jarvis P. **Rev Prat** 28(41):3143–6, 3149–50, 3153–6, 21 Sep 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

Screening of Mesua ferrea (Nagkesar) for estrogenic & progestational activity in human & experimental models. Meherji PK, et al. **Indian J Exp Biol** 16(8):932–3, Aug 78

BIOSYNTHESIS

Parallel competitive binding and metabolic endpoint assays for hCG based on rabbit granulosa cells. Boggis J, et al. **J Reprod Fertil** 54(1):127–31, Sep 78

BLOOD

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

HISTORY

The genesis of research on the progestins. Greep RO. **Ann NY Acad Sci** 286:1–9, 11 Mar 77 (60 ref.)

ISOLATION & PURIFICATION

The genesis of research on the progestins. Greep RO. **Ann NY Acad Sci** 286:1–9, 11 Mar 77 (60 ref.)

METABOLISM

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

PHARMACODYNAMICS

Progesterone and progestins in the male reproductive system. Terner C. **Ann NY Acad Sci** 286:313–20, 11 Mar 77

The difference between the sexes in their gonadotrophin responses to oestrogen or oestrogen-progestogen treatments [letter] Odell WD. **Clin Endocrinol (Oxf)** 9(4):387–8, Oct 78

Clinical chemistry in women treated with progestogen implants. Croxatto HB, et al. **Contraception** 18(4):441–50, Oct 78

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)

Cellular regulation of the metabolism of androgens in rat oral mucosa: I. Effect of medroxyprogesterone acetate (MPA) on the soluble supernatant (cytosol) activating microsomal delta4-3-ketosteroid-5alpha-reductase and 17beta-hydroxysteroid oxidoreductase enzyme systems. Vittek J, et al. **J Dent Res** 57(11–12):1016–8, Nov–Dec 78

PHYSIOLOGY

The genesis of research on the progestins. Greep RO. **Ann NY Acad Sci** 286:1–9, 11 Mar 77 (60 ref.)

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

SECRETION

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(3):233–50, Jul–Sep 78 **(Pol)**

THERAPEUTIC USE

Conservative treatment of endometriosis: 1978. Hammond CB, et al. **Fertil Steril** 30(5):497–509, Nov 78 (76 ref.)

Behavioral effects of estrogen in the human female. Ehrhardt AA. **Pediatrics** 62(6 Pt 2):1166–70, Dec 78

Behavioral effects of estrogen treatment in human males. Meyer-Bahlburh HF. **Pediatrics** 62(6 Pt 2):1171–7, Dec 78

Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Nathan E, et al. **Ups J Med Sci** 83(3):175–83, 1978

[Sex disorders during menopause] Simonin R. **Probl Actuels Endocrinol Nutr** (21):133–50, 1977 (75 ref.) **(Fre)**

[Favorable effects of estrogens and progesterones on general diseases] Lauritzen C, et al. **Fortschr Med** 96(40):2014–8, 26 Oct 78 **(Ger)**

PROGESTATIONAL HORMONES, SYNTHETIC

Current efforts to develop male hormonal contraception. Schearer SB. **Stud Fam Plann** 9(8):229–31, Aug 78

ADMINISTRATION & DOSAGE

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Current efforts to develop male hormonal contraception. Schearer SB. **Stud Fam Plann** 9(8):229–31, Aug 78

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

PHARMACODYNAMICS

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

Effect of progestins on glucose and lipid metabolism. Beck P. **Ann NY Acad Sci** 286:434–45, 11 Mar 77 (57 ref.)

Androgenic, synandrogenic, and antiandrogenic actions of progestins. Bullock LP, et al. **Ann NY Acad Sci** 286:321–30, 11 Mar 77

Estradiol receptor and 17 beta-dehydrogenase in normal and abnormal human endometrium. Tseng L, et al. **Ann NY Acad Sci** 286:190–8, 11 Mar 77

Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Goldzieher JW, et al. **Fertil Steril** 30(5):522–33, Nov 78

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Effect of various plans of therapy of dysfunctional uterine hemorrhages on the state of the hypophysis and ovaries in women of reproductive age] Krepkaia VK. **Pediatr Akush Ginekol** (5):47–9, Sep–Oct 78 **(Ukr)**

PROGESTERONE

The solubilization of progesterone by mixed bile salt–phospholipid sols. Martin GP, et al. **Chem Phys Lipids** 22(3):227–38, Oct 78

Amino acid sequence of a progesterone-binding protein. Popp RA, et al. **Proc Natl Acad Sci USA** 75(11):5516–9, Nov 78

Stimulatory effect of soluble supernatant on hydroxylase activity of rat testis microsomes. Betz G, et al. **Steroids** 32(3):389–97, Oct 78

ADMINISTRATION & DOSAGE

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

Local treatment of the endometrium with progesterone. Pharris BB. **Ann NY Acad Sci** 286:226–32, 11 Mar 77

The effect of maternal progesterone on brain monoamine oxidase activity of neonatal rats. Franz JR, et al. **Brain Res** 158(2):397–406, 15 Dec 78

The effect of treatment with a progesterone releasing intravaginal device on the fertility of spring calving Friesian dairy cows. Drew SB, et al. **Vet Rec** 103(12):259–62, 16 Sep 78

ADVERSE EFFECTS

Effect of oral contraceptive therapy on gingival inflammation in humans. Kalkwarf KL. **J Periodontol** 49(11):560–3, Nov 78

[Autoimmune progesterone dermatosis (author's transl)] Linse R, et al. **Dermatol Monatsschr** 164(9):656–61, Sep 78 (Eng. Abstr.) **(Ger)**

[Progesterone-induced changes of the endometrium and cervix mucosa in glandular, cystic hyperplasia of the endometrium] Dinges HP. **Zentralbl Gynaekol** 100(17):1093–102, 1978 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355–68, 11 Mar 77

Isolated Sertoli cells from immature rats produce 20alpha-hydroxy-pregn-4-en-3-one from progesterone and 3beta,20alpha-dihydroxy-5alpha-pregnane from pregnenolone. Wiebe JP. **Biochem Biophys Res Commun** 84(4):1003–8, 30 Oct 78

ANALYSIS

Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Tassell R, et al. **Aust J Biol Sci** 31(3):267–73, Jun 78

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

Milk progesterone levels in relation to conception, repeat breeding and factors influencing acyclicity in dairy cows. Bulman DC, et al. **J Reprod Fertil** 54(2):447–58, Nov 78

The use of homologous and heterologous 125I-radioligands in the radioimmunoassay of progesterone. Allen RM, et al. **Steroids** 32(4):467–86, Nov 78

The effect of treatment with a progesterone releasing intravaginal device on the fertility of spring calving Friesian dairy cows. Drew SB, et al. **Vet Rec** 103(12):259–62, 16 Sep 78

[Round-table conference. Radioimmunologic studies: principles, interpretation of results, clinical significance] **Przegl Lek** 35(10):781–94, 1978 **(Pol)**

BIOSYNTHESIS

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Progesterone binding and metabolism in human fetal membranes. Schwarz BE, et al. **Ann NY Acad Sci** 286:304–12, 11 Mar 77

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249–55, Sep 78

The action of ethidium bromide and chloramphenicol on the steroidogenesis induced by gonadotrophic hormones in the ovaries of amphibia and mammals. Shmerling ZG, et al. **Gen Comp Endocrinol** 35(4):355–9, Aug 78

Hormone production by the intact human corpus luteum in vitro. Biggs JS, et al. **J Reprod Fertil** 54(2):221–5, Nov 78

Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. Fowler RE, et al. **J Reprod Fertil** 54(1):109–17, Sep 78

Embryonic stimulation of ovine and bovine corpora lutea. Godkin JD, et al. **J Reprod Fertil** 54(2):375–8, Nov 78

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445–9, Oct 75

Role of prostaglandin F2alpha in modulation of LH-stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

In vitro synthesis of progesterone and prostaglandin F by luteal tissue and prostaglandin F by endometrial tissue from the pig. Guthrie HD, et al. **Prostaglandins** 16(3):433–40, Sep 78

Steroidogenic capabilities of the early mouse embryo. Grube KE, et al. **Steroids** 32(3):345–54, Oct 78

[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

BLOOD

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)

Possible ovulatory deficiency after tubal ligation. Berger GS, et al. **Am J Obstet Gynecol** 132(6):699–700, 15 Nov 78

Electrical and mechanical activity of rat uterus in vivo during the estrous cycle. Ishikawa M, et al. **Am J Obstet Gynecol** 132(6):611–9, 15 Nov 78

Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Schulz KD, et al. **Am J Obstet Gynecol** 132(5):561–6, 1 Nov 78

Effect of luteinizing hormone on ovarian release of steroids: ovarian vein-sampling technique in conscious gilt. Eiler H. **Am J Vet Res** 39(10):1695–8, Oct 78

Effects of progesterone on the adrenergic mechanisms of the genital tract. Moawad AH, et al. **Ann NY Acad Sci** 286:287–303, 11 Mar 77

Progesterone binding and metabolism in human fetal membranes. Schwarz BE, et al. **Ann NY Acad Sci** 286:304–12, 11 Mar 77

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Pregnancy maintenance and progesterone concentrations in the musk shrew, Suncus murinus (order: Insectivora). Hasler MJ, et al. **Biol Reprod** 19(2):407–13, Sep 78

Plasma gonadotropins, prolactin and progesterone at the time of implantation in the mouse: effects of hypoxia and restricted dietary intake. Rattner BA, et al. **Biol Reprod** 19(3):558–65, Oct 78

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Variations in 'functional' blood flow as related to corpus luteum activity in cyclic guinea pigs. Wehrenberg WB, et al. **Biol Reprod** 19(2):380–4, Sep 78

Comparison of placebo and bromocriptine in the treatment of patients with normoprolactinaemic amenorrhoea. Crosignani PG, et al. **Br J Obstet Gynaecol** 85(10):773–5, Oct 78

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862–7, Nov 78

The effect of maternal progesterone on brain monoamine oxidase activity of neonatal rats. Franz JR, et al. **Brain Res** 158(2):397–406, 15 Dec 78

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

An improved enzyme immunoassay for progesterone in human plasma. Joyce BG, et al. **Clin Chem** 24(12):2099–102, Dec 78

Sex steroid hormones and antibodies to Candida albicans. Mathur S, et al. **Clin Exp Immunol** 33(1):79–87, Jul 78

Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue – a new approach to birth control? Nillius SJ, et al. **Contraception** 17(6):537–44, Jun 78

Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Toivonen J, et al. **Contraception** 18(3):201–11, Sep 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

Plasma progesterone levels in normal and abnormal early human pregnancy. Radwanska E, et al. **Fertil Steril** 30(4):398–402, Oct 78

Interceptive activity of azastene in rhesus monkeys. Schane HP, et al. **Fertil Steril** 30(3):343–7, Sep 78

Influence of progesterone on sexual behavior in castrated male Rhesus monkeys treated with testosterone. Buhl AE, et al. **Horm Behav** 10(3):258–63, Jun 78

Actions of salbutamol in late pregnancy. Serum levels of human chorionic gonadotrophin, human placental lactogen, total oestriol and progesterone in diabetic and non-diabetic women during infusion of salbutamol. Carlström K, et al. **Horm Metab Res** 10(5):434–8, Sep 78

Biochemical parameters for surveillance of high-risk pregnancies. Goebel R. **Horm Res** 9(6):339–64, 1978

Abnormalities in evening plasma prolactin levels in nulliparous women with benign or malignant breast disease. Tarquini A, et al. **Int J Cancer** 22(6):687–90, Dec 78

Pure crystalline estradiol pellet implantation for contraception. Asch RH, et al. **Int J Fertil** 23(2):100–5, 1978

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

Concentrations of oestradiol-17beta and progesterone in the peripheral plasma of the cynomolgus monkey (Macaca fascicularis) in relation to the length of the menstrual cycle and its component phases. Shaikh AA, et al. **J Endocrinol** 79(1):1–7, Oct 78

Specific suppression of follicle-stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants. Uilenbroek JT, et al. **J Endocrinol** 78(3):399–406, Sep 78

Methodological validation of HCS, estriol, estradiol and progesterone radioimmunoassay in pregnancy. Giannessi D, et al. **J Nucl Med Allied Sci** 22(2):71–8, Apr-Jun 78

Relation between daylight ratio, plasma progesterone levels and timing of nidation in mink (Mustela vison). Allais C, et al. **J Reprod Fertil** 54(1):133–6, Sep 78

Oestrogen and progesterone concentrations in peripheral blood in pregnant red foxes (Vulpes vulpes). Bonnin M, et al. **J Reprod Fertil** 54(1):37–41, Sep 78

The importance of prostaglandin synthesis for the initiation of blastocyst implantation in the hamster. Evans CA, et al. **J Reprod Fertil** 54(2):255–61, Nov 78

Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. **J Reprod Fertil** 54(1):153–7, Sep 78

Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

Ovarian function in suckling and non-suckling beef cows post partum. Radford HM, et al. **J Reprod Fertil** 54(1):49–56, Sep 78

Correlations of maternal and fetal endocrine events with uterine pressure changes around parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(1):1–8, Sep 78

The effect of passive immunization against oestrogens on the onset of parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(2):363–7, Nov 78

Plasma progesterone levels during pregnancy and pseudo-pregnancy in the hare (Lepus europaeus syriacus). Stavy M, et al. **J Reprod Fertil** 54(1):9–14, Sep 78

Simultaneous radioimmunoassay of plasma progesterone and 17-hydroxyprogesterone normal values in children, in men and in women throughout the menstrual cycle and in early pregnancy. Tea NT, et al. **J Steroid Biochem** 6(11–12):1509–16, Nov-Dec 75

Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier M, et al. **J Steroid Biochem** 6(10):1433–7, Oct 75

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

Natural family planning. I. The peak symptom and estimated time of ovulation. Hilgers TW, et al. **Obstet Gynecol** 52(5):575–82, Nov 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134–7, Dec 78

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161–4, Oct 78

Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

Effects of prostaglandin-F2alpha on some reproductive parameters of fertile male rats. Saksena SK, et al. **Prostaglandins Med** 1(2):107–15, Aug 78

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra-luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539–45, Nov 78

[The hormonal basis of discontinuous progestational contraception (author's transl)] Kuttenn F, et al. **Nouv Presse Med** 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**

[The new synthetic gestagen danazol in the treatment of endometriosis, fibrosystic disease of the breast and prolonged primary infertility (author's transl)] Goebel R, et al. **Geburtshilfe Frauenheilkd** 38(11):932–40, Nov 78 (Eng. Abstr.) **(Ger)**

[Corpus luteum function in the middle luteal phase following treatment with prostaglandins] Seifert B, et al. **Zentralbl Gynaekol** 100(17):1112–8, 1978 (Eng. Abstr.) **(Ger)**

[The hormonal dynamics picture of tamoxifen treatment cases,

in comparison of clomid treatment cases (author's transl)] Tajima C, et al. **Nippon Funin Gakkai Zasshi** 23(4):398–404, Oct 78 (Eng. Abstr.) **(Jpn)**

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Dynamics of the sex hormone and progesterone level in the peripheral blood and their production by the gonads and adrenals in postnatal ontogeny in silver foxes] Krass PM, et al. **Ontogenez** 9(6):576–83, 1978 (Eng. Abstr.) **(Rus)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Plasma progesterone during labor and the puerperium] del Castillo FJ, et al. **Ginecol Obstet Mex** 44(264):285–8, Oct 78 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Pregnant mare's serum gonadotropin: V. Indomethacin or cortisone and the reversal of antifertility efficacy of pregnant mare's serum gonadotropin. Gupta T, et al. **Contraception** 17(6):547–52, Jun 78

DIAGNOSTIC USE

A case of intermittent ovarian failure. Schreiber JR, et al. **Am J Obstet Gynecol** 132(6):698–9, 15 Nov 78

[Deciding analysis in the diagnosis and therapy of female functional sterility] Presl J. **Cesk Gynekol** 43(9):679–702, Nov 78 **(Cze)**

HISTORY

Reminiscences and comments on progesterone research. Wiest WG. **Ann NY Acad Sci** 286:446–9, 11 Mar 77

IMMUNOLOGY

The effect of passive immunization against oestrogens on the onset of parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(2):363–7, Nov 78

ISOLATION & PURIFICATION

[Cyto–immuno–enzymological localization trial of steroid hormones in the female ovarian corpus luteum (author's transl)] Benkoël L, et al. **Cell Mol Biol** 23(2):191–5, 1978 (Eng. Abstr.) **(Fre)**

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78

Steroid hormone action: recent advances. Chan L, et al. **Ann Intern Med** 89(5 Pt 1):694–701, Nov 78

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355–68, 11 Mar 77

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77

Local treatment of the endometrium with progesterone. Pharris BB. **Ann NY Acad Sci** 286:226–32, 11 Mar 77

Progesterone binding and metabolism in human fetal membranes. Schwarz BE, et al. **Ann NY Acad Sci** 286:304–12, 11 Mar 77

Nuclear binding sites ('acceptors') for progesterone in avian oviduct: characterization of the highest-affinity sites. Spelsberg TC, et al. **Ann NY Acad Sci** 286:43–63, 11 Mar 77 (55 ref.)

Progesterone and progestins in the male reproductive system. Terner C. **Ann NY Acad Sci** 286:313–20, 11 Mar 77

Hormonal control of progesterone receptors. Vu Hai MT, et al. **Ann NY Acad Sci** 286:199–209, 11 Mar 77

Progesterone binding to serum proteins. Westphal U, et al. **Ann NY Acad Sci** 286:10–28, 11 Mar 77 (50 ref.)

Reminiscences and comments on progesterone research. Wiest WG. **Ann NY Acad Sci** 286:446–9, 11 Mar 77

Isolated Sertoli cells from immature rats produce 20alpha-hydroxy-pregn-4-en-3-one from progesterone and 3beta,20alpha-dihydroxy-5alpha-pregnane from pregnenolone. Wiebe JP. **Biochem Biophys Res Commun** 84(4):1003–8, 30 Oct 78

Progesterone binding in rat uterine cytosol during early pregnancy [proceedings] Brodie JY, et al. **Biochem Soc Trans** 6(4):773–5, 1978

Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Haney AF, et al. **Biol Reprod** 19(2):242–8, Sep 78

Pregnancy maintenance and progesterone concentrations in the musk shrew, Suncus murinus (order: Insectivora). Hasler MJ, et al. **Biol Reprod** 19(2):407–13, Sep 78

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

The possible mode of action of prostaglandins: XIV. Evidence of an involvement of progesterone in the initiation of prostaglandin F2a-induced premature labor in rats. Basu R, et al. **Contraception** 18(3):225–31, Sep 78

Binding of 3H-progesterone by isolated rat islets of Langerhans. Green IC, et al. **Diabetologia** 15(4):349–55, Oct 78

Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors. Westphal HM, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1297–305, Oct 78

Estrogen and progesterone binding proteins in normal human myometrium and leiomyoma tissue. Pollow K, et al. **J Clin Chem Clin Biochem** 16(9):503–11, Sep 78

Initiation of parturition in the goat: evidence for control by foetal glucocorticoid through activation of placental C21-steroid 17alpha-hydroxylase. Flint AP, et al. **J Endocrinol** 78(3):367–78, Sep 78

A review of embryonic mortality in cattle. Ayalon N. **J Reprod Fertil** 54(2):483–93, Nov 78 (72 ref.)

Metabolism of estrone and progesterone in vitro in human saliva. Elattar TM. **J Steroid Biochem** 6(10):1455–8, Oct 75

Transformation of C18-, C19- and C21-steroids by cultures of Candida albicans. Ghraf R, et al. **J Steroid Biochem** 6(11–12):1531–6, Nov–Dec 75

Progesterone-binding protein in human myometrium. Binding site concentration in relation to endogenous progesterone and estradiol-17beta levels. Kontula K. **J Steroid Biochem** 6(11–12):1555–61, Nov–Dec 75

Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea-pig adrenals. Patwardhan VV, et al. **J Steroid Biochem** 6(10):1451–4, Oct 75

Effect of bilateral cryptorchidism on the in vitro transformation of progesterone by testicular tissue at different stages of sexual maturation. Rager K, et al. **J Steroid Biochem** 6(11–12):1537–41, Nov–Dec 75

Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. Strauss JF 3d, et al. **J Steroid Biochem** 9(8):731–8, Aug 78

Radioautographic study of the rat brain, uterus and vagina after [3H]R-5020 injection. Warembourg M. **Mol Cell Endocrinol** 12(1):67–79, Oct 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

Trilostane, an orally active inhibitor of steroid biosynthesis. Potts GO, et al. **Steroids** 32(2):257–67, Sep 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

[Role of guanidine groups of glutamate dehydrogenase arginine residues in the binding of sex hormones] Titova GV, et al. **Biokhimiia** 43(9):1670–3, Sep 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Possible role of gap junctions in activation of myometrium during parturition. Garfield RE, et al. **Am J Physiol** 235(5):C168–79, Nov 78

Effect of progestins on glucose and lipid metabolism. Beck P. **Ann NY Acad Sci** 286:434–45, 11 Mar 77 (57 ref.)

Progesterone induction of messenger RNA and protein synthesis in rabbit uterus. Bullock DW. **Ann NY Acad Sci** 286:260–72, 11 Mar 77

Stimulation of poly(adenosine diphosphate ribose) synthase activity of Xenopus germinal vesicle by progesterone. Burzio LO, et al. **Ann NY Acad Sci** 286:398–407, 11 Mar 77

Regulation of estrogen receptor replenishment by progesterone. Clark JH, et al. **Ann NY Acad Sci** 286:161–79, 11 Mar 77

Factors that influence steroid induction of endometrial glycogenesis in organ culture. Demers LM, et al. **Ann NY Acad Sci** 286:249–59, 11 Mar 77

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355–68, 11 Mar 77

Reproductive tract fluid proteins and their hormonal control. Feigelson M, et al. **Ann NY Acad Sci** 286:273–86, 11 Mar 77 (44 ref.)

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77

Protein composition of human endometrium and its secretion at different stages of the menstrual cycle. Hirsch PJ, et al. **Ann NY Acad Sci** 286:233–48, 11 Mar 77

Significance of the progesterone receptor in the estrogen–induced and –dependent renal tumor of the Syrian golden hamster. Li SA, et al. **Ann NY Acad Sci** 286:369–83, 11 Mar 77

A role for progesterone in breast cancer. McGuire WL, et al. **Ann NY Acad Sci** 286:90–100, 11 Mar 77 (135 ref.)

Effects of progesterone on the adrenergic mechanisms of the genital tract. Moawad AH, et al. **Ann NY Acad Sci** 286:287–303, 11 Mar 77

Effects of estrogen and progesterone on ovalbumin synthesis in the withdrawn oviduct. Schimke RT, et al. **Ann NY Acad Sci** 286:116–24, 11 Mar 77

Discussion paper: induction by progesterone and a 'maturation–promoting factor' of soluble proteins in Xenopus laevis oocytes in vitro. Schorderet–Slatkine S. **Ann NY Acad Sci** 286:421–33, 11 Mar 77

Effect of progesterone receptors on transcription. Schwartz RJ, et al. **Ann NY Acad Sci** 286:147–60, 11 Mar 77 (48 ref.)

Progesterone–dependent messenger RNA: identification of the products of heterospecific activity in vivo. Segal SJ, et al. **Ann NY Acad Sci** 286:125–34, 11 Mar 77

Progesterone and maintenance of pregnancy: is progesterone nature's immunosuppressant? Siiteri PK, et al. **Ann NY Acad Sci** 286:384–97, 11 Mar 77

Nuclear binding sites ('acceptors') for progesterone in avian oviduct: characterization of the highest–affinity sites. Spelsberg TC, et al. **Ann NY Acad Sci** 286:43–63, 11 Mar 77 (55 ref.)

Progesterone and progestins in the male reproductive system. Terner C. **Ann NY Acad Sci** 286:313–20, 11 Mar 77

Hormonal control of progesterone receptors. Vu Hai MT, et al. **Ann NY Acad Sci** 286:199–209, 11 Mar 77

Reminiscences and comments on progesterone research. Wiest WG. **Ann NY Acad Sci** 286:446–9, 11 Mar 77

Amino acid sequence of progesterone–induced rabbit uteroglobin. Ponstingl H, et al. **Biochemistry** 17(19):3908–12, 19 Sep 78

Lipoprotein lipase of cultured mesenchymal rat heart cells. III. Effect of glucocorticoids and insulin on enzyme formation. Friedman G, et al. **Biochim Biophys Acta** 531(2):222–32, 22 Nov 78

Dimethystilbestrol is not antiestrogenic for rat sexual behavior or gonadotropin secretion. Etgen AM, et al. **Biol Reprod** 19(2):454–8, Sep 78

Regulation of plasma LH by estradiol and progesterone in ovariectomized mares. Garcia MC, et al. **Biol Reprod** 19(2):447–53, Sep 78

Sexual differences in steroid facilitated luteinizing hormone release independent from timing of secretion and effect of bleeding procedures. Harlan RE, et al. **Biol Reprod** 19(3):580–4, Oct 78

Dissociation between release of luteinizing hormone and prolactin and induction of female sexual behavior in normal and androgenized rats. Harlan RE, et al. **Biol Reprod** 19(2):439–46, Sep 78

Progesterone–induced asynchrony and embryo mortality in rabbits. Schacht CJ, et al. **Biol Reprod** 19(3):534–9, Oct 78

The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653–6, Oct 78

The effect of progesterone, estradiol and serum on RNA synthesis in preimplantation mouse embryos cultured in vitro. Warner CM, et al. **Biol Reprod** 19(2):332–7, Sep 78

Effect of progesterone on the magnum proteins during primary stimulation of chick oviduct. Goel VK, et al. **Br Poult Sci** 19(5):591–4, Sep 78

The possible mode of action of prostaglandins: XIV. Evidence of an involvement of progesterone in the initiation of prostaglandin F2a–induced premature labor in rats. Basu R, et al. **Contraception** 18(3):225–31, Sep 78

No increase of the fibrinolytic activity of the human endometrium by progesterone–releasing IUD (ProgestasertR). Liedholm P, et al. **Contraception** 17(6):531–6, Jun 78

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al. **Endocr Res Commun** 5(2):135–59, 1978

Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Kawashima S, et al. **Endocrinol Jpn** 25(4):341–8, Aug 78

Inhibition of fetal adrenal 21–hydroxylase by naturally occurring steroids. Yoshida N, et al. **Endocrinol Jpn** 25(4):349–53, Aug 78

Regulation of translation of ovalbumin messenger RNA by estrogens and progesterone in oviduct of withdrawn chicks. Pennequin P, et al. **Eur J Biochem** 90(1):51–8, 15 Sep 78

Binding of steroids to human spermatozoa and its possible role in contraception. Hyne RV, et al. **Fertil Steril** 30(3):322–8, Sep 78

Interceptive activity of azastene in rhesus monkeys. Schane HP, et al. **Fertil Steril** 30(3):343–7, Sep 78

Influence of progesterone on sexual behavior in castrated male Rhesus monkeys treated with testosterone. Buhl AE, et al. **Horm Behav** 10(3):258–63, Jun 78

In vitro effects of estrogen on cyclic nucleotides in the arterial wall. pp. 373–83. Numano F. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.**

Lactate dehydrogenase isoenzymes in human endometrium, uterine fluids & erythrocytes in uterine dysfunction. Ganguly S, et al. **Indian J Biochem Biophys** 15(2):101–4, Apr 78

Monoamine oxidase activity in the pituitary of mice after estrogen, progesterone and centchroman treatment. Srivastava K, et al. **Indian J Physiol Pharmacol** 22(3):310–2, Jul–Sep 78

Effect of endogenous and exogenous progesterone on human endometrial enzymes. Jelinek J, et al. **Int J Fertil** 23(1):31–7, 1978

Effect of estrogens on uterine tone and life span of the corpus luteum in mares. Berg SL, et al. **J Anim Sci** 47(1):203–8, Jul 78

Differential effects of estrogen and progesterone on ovalbumin mRNA utilization. Robins DM, et al. **J Biol Chem** 253(24):8925–34, 25 Dec 78

Failure of histamine to induce the release of luteinizing hormone in castrated rats primed with sex steroids. Donoso AO, et al. **J Endocrinol** 78(3):447–8, Sep 78

Effects of an intra–uterine device on uterine cell division and epithelial morphology in ovariectomized mice treated with oestrogen and progesterone. Martin L, et al. **J Endocrinol** 78(3):417–25, Sep 78

The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). Milligan SR. **J Reprod Fertil** 54(2):309–11, Nov 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Effects of medium composition and progesterone on maturation in vitro of rabbit oocytes from Graafian follicles of different sizes. Smith DM, et al. **J Reprod Fertil** 54(2):393–400, Nov 78

The effect of exogenous intrauterine progesterone on the amount and prostaglandin F2alpha content of menstrual blood in dysmenorrheic women. Trobough G, et al. **J Reprod Med** 21(3):153–8, Sep 78

Progesterone–binding protein in human myometrium. Binding site concentration in relation to endogenous progesterone and estradiol–17beta levels. Kontula K. **J Steroid Biochem** 6(11–12):1555–61, Nov–Dec 75

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Effect of aldosterone on flavin coenzyme biosynthesis in the kidney. Tan EL, et al. **J Steroid Biochem** 6(11–12):1471–5, Nov–Dec 75

Specific impedance studies of visceral smooth muscle: effects of steroid hormones. Bortoff A. **Nippon Heikatsukin Gakkai Zasshi** 14 Suppl:15–6, Feb 78

Prostaglandin F2alpha induced termination of pregnancy and its reversal by prolactin or progesterone in rats. Saksena SK, et al. **Prostaglandins Med** 1(3):201–6, Sep 78

The effects of the administration of fenoprofen or indomethacin to rat dams during late pregnancy, with special reference to the ductus arteriosus of the fetuses and neonates. Powell JG Jr, et al. **Toxicol Appl Pharmacol** 45(3):783–96, Sep 78

The effect of treatment with a progesterone releasing intravaginal device on the fertility of spring calving Friesian dairy cows. Drew SB, et al. **Vet Rec** 103(12):259–62, 16 Sep 78

[Change of skin collagen in an experimental skin sclerosis, and effect of progesterone and dextran sulfate on the sclerotic change (author's transl)] Katayama H.

Nippon Hifuka Gakkai Zasshi 88(10):627–41, Sep 78 (Jpn)

PHYSIOLOGY

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR.
Acta Endocrinol [Suppl] (Copenh) (221):1–70, 1978 (121 ref.)
New aspects of the control of pituitary hormone secretion. Labrie F, et al. Ann Clin Res 10(3):109–119, 1978 (72 ref.)
Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. Ann NY Acad Sci 286:331–54, 11 Mar 77 (136 ref.)
A role for progesterone in breast cancer. McGuire WL, et al. Ann NY Acad Sci 286:90–100, 11 Mar 77 (135 ref.)
Induction of oocytic maturation and differentiation: mode of progesterone action. Schuetz AW. Ann NY Acad Sci 286:408–20, 11 Mar 77 (60 ref.)
Progesterone and maintenance of pregnancy: is progesterone nature's immunosuppressant? Siiteri PK, et al.
Ann NY Acad Sci 286:384–97, 11 Mar 77
Effect of endogenous and exogenous progesterone on human endometrial enzymes. Jelinek J, et al. Int J Fertil 23(1):31–7, 1978
Control of the oestrous cycle of the mare. Palmer E.
J Reprod Fertil 54(2):495–505, Nov 78 (63 ref.)
Theories regarding endocrine contributions to the onset of labor. Gay J. JOGN Nurs 7(5):42–7, Sep–Oct 78
[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. Probl Actuels Endocrinol Nutr (21):13–41, 1977 (71 ref.) (Fre)
[New concept related to implantation. II. Decidual reaction] Gil Recasens ME, et al. Ginecol Obstet Mex 44(263):211–21, Sep 78 (Eng. Abstr.) (Spa)
[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. Pediatr Akush Ginekol (5):33–8, Sep–Oct 78 (Ukr)

SECRETION

A stimulatory effect of the fluid from preimplantation rabbit blastocysts upon luteinization of monkey granulosa cell cultures. Channing CP, et al. J Reprod Fertil 54(2):215–20, Nov 78
Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. J Reprod Fertil 54(1):153–7, Sep 78
Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al.
J Reprod Fertil 54(1):21–7, Sep 78

THERAPEUTIC USE

Medical treatment of baldness. Orentreich N.
Ann Plast Surg 1(1):116–8, Jan 78
Plasma gonadotropins, prolactin and progesterone at the time of implantation in the mouse: effects of hypoxia and restricted dietary intake. Rattner BA, et al. Biol Reprod 19(3):558–65, Oct 78
The effect of exogenous intrauterine progesterone on the amount and prostaglandin F2alpha content of menstrual blood in dysmenorrheic women. Trobough G, et al.
J Reprod Med 21(3):153–8, Sep 78
Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Nathan E, et al. Ups J Med Sci 83(3):175–83, 1978
The obesity-hypoventilation syndrome. Morgan EJ, et al.
West J Med 129(5):387–93, Nov 78 (53 ref.)
[Estrogens and endometrial carcinoma. Position paper on the publication of the drug commission] Lauritzen C.
Fortschr Med 96(45):2293–4, 1 Dec 78 (Ger)
[Dermatologic indications for anti-androgenic treatment] Zaun H, et al. Z Hautkr 53(21):759–65, 1 Nov 78 (Eng. Abstr.) (Ger)

RELAXIN

A comparative circular dichroism study of relaxin and insulin. Schwabe C, et al. Biochem Biophys Res Commun 84(2):374–80, 29 Sep 78

ANALYSIS

Distribution of relaxin in women during pregnancy. Weiss G, et al. Obstet Gynecol 52(5):569–70, Nov 78
[Relaxin, a male hormone? Immunocytological localization of a related antigen in the testis and the epididymis of an adult mammal (proceedings) (author's transl)] Dubois MP, et al.
Ann Endocrinol (Paris) 39(3):239–40, 1978 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Distribution of relaxin in women during pregnancy. Weiss G, et al. Obstet Gynecol 52(5):569–70, Nov 78

METABOLISM

Distribution of relaxin in women during pregnancy. Weiss G, et al. Obstet Gynecol 52(5):569–70, Nov 78

SEX HORMONES

Cell kinetics and the control of growth in long bones. Kember NF. Cell Tissue Kinet 11(5):477–85, Sep 78
[Sex hormones and general diseases; andrologic aspects] Hornstein OP. Fortschr Med 96(40):2035–43, 26 Oct 78 (Ger)
[Marginal gingival diseases. Brief guide for the physician] Ketterl W. MMW 120(49):1631–2, 8 Dec 78 (Ger)

ADMINISTRATION & DOSAGE

Transsexualism. An insight into the power of psychologic gender--a panel discussion. Edgerton MT, et al. Pharos 41(4):31–6, Oct 78

ADVERSE EFFECTS

Behavioral teratology: birth defects of the mind. Kolata GB.
Science 202(4369):732–4, 17 Nov 78
[Postcontraceptive acne] Amann W. ZFA (Stuttgart) 54(35–36):1809–12, 20 Dec 78 (Ger)

ANALYSIS

The World Health Organization's programme for the standardization and quality control of radioimmunoassay of hormones in reproductive physiology. Hall PE.
Horm Res 9(6):440–9, 1978
External quality control for hormone determinations in the Federal Republic of Germany. Röhle G, et al.
Horm Res 9(6):450–4, 1978
[91 cases of male homosexuality : morphological and hormonal study] Decourt J. Probl Actuels Endocrinol Nutr (21):219–30, 1977 (Fre)

BIOSYNTHESIS

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. Birth Defects 13(2):41–58, 1977 (62 ref.)
[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. Nippon Naibunpi Gakkai Zasshi 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) (Jpn)

BLOOD

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. Horm Res 9(6):394–403, 1978
Endocrine diagnosis in the climacteric female. Schneider HP.
Horm Res 9(6):365–78, 1978
Metabolic and endocrine alterations in end-stage renal failure. Klein KL, et al. Postgrad Med 64(5):99–108, Nov 78
[Abnormality of sex hormone and pituitary-gonadal axis in liver disease (author's transl)] Morimoto I.
Nippon Naika Gakkai Zasshi 67(6):580–90, 10 Jun 78 (Jpn)
[Dynamics of the sex hormone and progesterone level in the peripheral blood and their production by the gonads and adrenals in postnatal ontogeny in silver foxes] Krass PM, et al. Ontogenez 9(6):576–83, 1978 (Eng. Abstr.) (Rus)

METABOLISM

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. Obstet Gynecol 52(5):609–12, Nov 78
[Sex hormones and homosexuality] Vague J, et al.
Probl Actuels Endocrinol Nutr (21):197–217, 1977 (92 ref.) (Fre)
[Reciprocal relationship between bones, hematopoiesis and kidney with reference to sex hormoses. 2. Endocrine

osteopathy and sex hormones] Schulz W. **Fortschr Med** 96(46):2329–35, 7 Dec 78 (Eng. Abstr.) **(Ger)**
[Role of guanidine groups of glutamate dehydrogenase arginine residues in the binding of sex hormones] Titova GV, et al. **Biokhimiia** 43(9):1670–3, Sep 78 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Hormonal modulation of specific messenger RNA species in normal and neoplastic rat liver. Feigelson P, et al. **Adv Enzymol** 47:275–312, 1978 (59 ref.)
Sex difference in L-glutamine D-fructose-6-phosphate aminotransferase activity of mouse submandibular gland. Hosoi K, et al. **Biochim Biophys Acta** 543(3):283–92, 18 Oct 78
Control of globin gene expression by steroid hormones in differentiating Friend leukemia cells. Lo SC, et al. **Cell** 15(2):447–53, Oct 78
Quantitative determination of prostatic epithelial and stromal hyperplasia by a new technique. Biomorphometrics. DeKlerk DP, et al. **Invest Urol** 16(3):240–5, Nov 78
Effect of gonadectomy and sex hormone treatment on pantothenic acid content in the liver of the rats. Saad SF, et al. **Mater Med Pol** 10(3):188–90, Jul–Sep 78
Inhibition of caerulein and physalaemin-induced contractions of guinea-pig isolated ileum by non-steroidal antiinflammatory drugs and various steroids and their reversal by prostaglandin E1. Fontaine J, et al. **Prostaglandins Med** 1(5):351–7, Nov 78
[Effect of sex hormones on hemostasis] Andrassy K. **Fortschr Med** 96(40):2019–21, 26 Oct 78 **(Ger)**
[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. 1. Bones and hematopoiesis, hematopoiesis and kidney--effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273–6, 1 Dec 78 **(Ger)**
[Pharmacologic regulation of the functional activity of the lysosomal apparatus of the cell (review of the literature)] Nichoga VD, et al. **Farmakol Toksikol** 41(6):730–50, Nov–Dec 78 (223 ref.) **(Rus)**
[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep–Oct 78 (59 ref.) **(Rus)**

PHYSIOLOGY

Hormones in the morphogenesis of the genital system. Jost A, et al. **Birth Defects** 13(2):85–97, 1977
Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)
Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)
Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)
Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)
Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186–90, Nov 78
Demonstration of adrenergic catecholamine receptors in rat myometrium and their regulation by sex steroid hormones. Krall JF, et al. **Life Sci** 23(10):1073–81, 11 Sep 78
Hormone-dependent brain differentiation and sexual behavior in man. Dörner G. **Probl Actuels Endocrinol Nutr** (21):231–3, 1977
[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**
[Hormones of the other sex and sex behavior] Bounhiol JJ. **Probl Actuels Endocrinol Nutr** (21):247–74, 1977 (16 ref.) **(Fre)**
[Hormones and transsexualism] Klotz HP. **Probl Actuels Endocrinol Nutr** (21):313–21, 1977 **(Fre)**
[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. **Probl Actuels Endocrinol Nutr** (21):13–41, 1977 (71 ref.) **(Fre)**
[Physiology of the sex hormones] Zander J. **Fortschr Med** 96(40):2007–13, 26 Oct 78 **(Ger)**
[Biological aspects of some sex differences] Sárkány J. **Orv Hetil** 119(47):2855–61, 19 Nov 78 **(Hun)**

SECRETION

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(3):233–50, Jul–Sep 78 **(Pol)**

THERAPEUTIC USE

[Reciprocal relationship between bones, hematopoiesis and kidney with reference to sex hormoses. 2. Endocrine osteopathy and sex hormones] Schulz W. **Fortschr Med** 96(46):2329–35, 7 Dec 78 (Eng. Abstr.) **(Ger)**
[Climacteric cardiopathy] Kretova NE. **Klin Med (Mosk)** 56(10):40–4, Oct 78 (Eng. Abstr.) **(Rus)**
[Experimental and clinical substantiation of adequate hormonal chemotherapy of kidney tumors] Polianichko MF, et al. **Urol Nefrol (Mosk)** (6):58–61, Nov–Dec 78 **(Rus)**

STANOLONE

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98–107, Nov–Dec 78 (134 ref.) **(Rus)**

ANALOGS & DERIVATIVES

The effects of mesterolone on the male accessory sex organs, on spermiogram, plasma testosterone and FSH. Nikkanen V. **Andrologia** 10(4):299–306, Jul–Aug 78
[Combined drug therapy with mesterolone–clomiphene citrate in oligospermia] Meili HU, et al. **Helv Chir Acta** 44(3):373–6, Jun 77 **(Ger)**

ANALYSIS

An improved method for extraction and determination of prostate concentrations of endogenous androgens. Albert J, et al. **J Steroid Biochem** 9(8):717–20, Aug 78
Correlation of in vivo and in vitro activities of some naturally occurring androgens using a radioreceptor assay for 5alpha-dihydrotestosterone with rat prostate cytosol receptor protein. Grover PK, et al. **J Steroid Biochem** 6(10):1373–9, Oct 75

BIOSYNTHESIS

5-alpha-Reductase deficiency causing male pseudohermaphroditism. Greene SA, et al. **Arch Dis Child** 53(9):751–3, Sep 78
An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

BLOOD

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78
Selected metastable peak monitoring: a new specific technique in quantitative gas chromatography mass spectrometry. Gaskell SJ, et al. **Biomed Mass Spectrom** 5(9):557–8, Sep 78
Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78
Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Roulier R, et al. **Clin Endocrinol (Oxf)** 9(4):303–11, Oct 78
The binding of sex steroids in human maternal and fetal blood at different stages of gestation. Abramovich DR, et al. **J Steroid Biochem** 9(8):791–4, Aug 78
Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78
Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

METABOLISM

Progesterone and progestins in the male reproductive system. Terner C. **Ann NY Acad Sci** 286:313–20, 11 Mar 77
The pars nervosa is a target for androgen in the mouse. Sheridan PJ. **Biol Reprod** 19(3):657–60, Oct 78
Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)
Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)
Androgen dependence of rat prostatic 3alpha-hydroxysteroid dehydrogenase. Massa R, et al. **J Endocrinol** 79(1):143–4, Oct 78
In vivo metabolism of 3H-dihydrotestosterone and 3H-androstanediol in adult male rats. Van Doorn EJ, et al. **J Steroid Biochem** 6(11–12):1549–54, Nov–Dec 75

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

[Autoradiographic demonstration of sex hormones in the human prostate] Ranft R. **Z Urol Nephrol** 71(8):535–7, Aug 78 **(Ger)**

PHARMACODYNAMICS

Pharmacological properties of some androgenic steroid nitrates. Cuparencu B, et al. **Agressologie** 19(1):39–58, 1978

Effect of the mouse mutants testicular feminization and sex reversal on hormone-mediated induction and repression of enzymes. Bulfield G, et al. **Biochem Genet** 16(7–8):743–50, Aug 78

Ovarian-dependent development of a stimulatory effect of 5alpha-dihydrotestosterone on serum follicle stimulating hormone in the ovariectomized rat. Campbell GT, et al. **Biol Reprod** 19(3):612–9, Oct 78

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Haney AF, et al. **Biol Reprod** 19(2):242–8, Sep 78

Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186–90, Nov 78

Effects of 5alpha-androstane-3beta,17beta-diol and 5beta-dihydrotestosterone on acid phosphatase activity in the prostate gland of the castrated adult rat. Tenniswood MP, et al. **J Endocrinol** 79(1):9–16, Oct 78

beta-Estradiol reduces natural killer cells in mice. Seaman WE, et al. **J Immunol** 121(6):2193–8, Dec 78

Suppression of sebaceous gland development in laboratory animals by 17alpha-propyltestosterone. Ferrari RA, et al. **J Invest Dermatol** 71(5):320–3, Nov 78

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Effects of hormones in the newborn period on the development of the penis. Rajfer J, et al. **Surg Forum** 28:570–3, 1977

[Study of male type sex behavior induced by hormonal treatment in adult ovariectomized female sheep] Fabre C, et al. **Probl Actuels Endocrinol Nutr** (21):107–17, 1977 **(Fre)**

PHYSIOLOGY

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. **Probl Actuels Endocrinol Nutr** (21):13–41, 1977 (71 ref.) **(Fre)**

SECRETION

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78

[12 cases of polycystic ovary type 1 (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

TOXICITY

Toxicological investigations on androgenic steroid nitrates. Csutak V, et al. **Agressologie** 19(2):123–35, 1978

STANOZOLOL

THERAPEUTIC USE

Behcet's disease [letter] Newland AC, et al. **Br Med J** 2(6145):1163–4, 21 Oct 78

TESTOSTERONE

The secretory immunological system of the fowl. VI. The effect of chemical bursectomy on immunoglobulin concentration in tears. Kowalski WJ, et al. **Immunology** 34(4):663–7, Apr 78

Circular dichroism of bovine serum albumin--testosterone systems. Tucker R, et al. **J Steroid Biochem** 6(11–12):1523–5, Nov-Dec 75

[Sex hormone binding globulin (SHBG), a new metabolic in vitro thyroid function test] Staub JJ, et al. **Schweiz Med Wochenschr** 108(48):1909–11, 2 Dec 78 (Eng. Abstr.) **(Ger)**

[Dynamics of changes in the concentration of estradiol receptors in the cytosol of rat female hypothalamus during postnatal development] Babichev VN, et al. **Probl Endokrinol (Mosk)** 24(6):55–9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98–107, Nov-Dec 78 (134 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Micropenis and its management. Smith DW. **Birth Defects** 13(2):147–54, 1977 (14 ref.)

Effect of androgen depletion on growth and androgen dependency of Shionogi carcinoma 115. Kitamura Y, et al. **Cancer Res** 38(12):4711–6, Dec 78

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128–32, 1978

Protein electrophoretic patterns of canine prostatic fluid. Effect of hormonal manipulation. Stubbs AJ, et al. **Invest Urol** 16(3):175–8, Nov 78

Effects of hormones in the newborn period on the development of the penis. Rajfer J, et al. **Surg Forum** 28:570–3, 1977

[Role of chemotherapy and hormonal therapy in the palliation of breast neoplasms] Pawlicki M. **Nowotwory** 28(3):251–62, Jul-Sep 78 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Current efforts to develop male hormonal contraception. Schearer SB. **Stud Fam Plann** 9(8):229–31, Aug 78

ANALOGS & DERIVATIVES

Pharmacological properties of some androgenic steroid nitrates. Cuparencu B, et al. **Agressologie** 19(1):39–58, 1978

Suppression of sebaceous gland development in laboratory animals by 17alpha-propyltestosterone. Ferrari RA, et al. **J Invest Dermatol** 71(5):320–3, Nov 78

Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov-Dec 75

Androgen metabolism in the dog. Yamamoto Y, et al. **J Steroid Biochem** 9(8):743–50, Aug 78

Current efforts to develop male hormonal contraception. Schearer SB. **Stud Fam Plann** 9(8):229–31, Aug 78

ANALYSIS

Statistical estimation of the minimal detectable concentration ('sensitivity') for radioligand assays. Rodbard D. **Anal Biochem** 90(1):1–12, 1 Oct 78

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

An improved method for extraction and determination of prostate concentrations of endogenous androgens. Albert J, et al. **J Steroid Biochem** 9(8):717–20, Aug 78

The use of iodinated steroid as radioligand for testosterone radioimmunoassay. Hampl R, et al. **J Steroid Biochem** 9(8):771–3, Aug 78

ANTAGONISTS & INHIBITORS

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Progesterone and progestins in the male reproductive system. Terner C. **Ann NY Acad Sci** 286:313–20, 11 Mar 77

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

An intraovarian inhibitory action of estrogen on androgen production in vivo. Leung PC, et al. **Biol Reprod** 19(3):641–7, Oct 78

In vitro steroidogenesis in corpora lutea and nonluteal ovarian

tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249–55, Sep 78

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

Response of the hypothalamic–pituitary–testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez-Rigau LJ, et al. **Fertil Steril** 30(5):577–85, Nov 78

Prostaglandin inhibition of testosterone production induced by luteinizing hormone, dibutyryl cyclic AMP or 3-isobutyl-1-methyl xanthine in dispersed rat testicular interstitial cells. Grotjan HE Jr, et al. **Steroids** 32(3):307–22, Oct 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

BLOOD

Treatment of acne with cyproterone acetate and ethinyl estradiol. Palatsi R, et al. **Acta Derm Venereol (Stockh)** 58(5):449–54, 1978

Developmental patterns of plasma and testicular testosterone in mice from birth to adulthood. Jean-Faucher C, et al. **Acta Endocrinol (Copenh)** 89(4):780–8, Dec 78

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789–95, Dec 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Testosterone levels and women's sexual preference [letter] Gartrell N. **Am J Psychiatry** 135(12):1574, Dec 78

Reifenstein's syndrome--a target cell failure. Glezerman M, et al. **Andrologia** 10(5):353–6, Sep–Oct 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

The effects of mesterolone on the male accessory sex organs, on spermiogram, plasma testosterone and FSH. Nikkanen V. **Andrologia** 10(4):299–306, Jul–Aug 78

Fertility of rams chronically treated with gonadotropin releasing hormone during the nonbreeding season. Schanbacher BD. **Biol Reprod** 19(3):661–5, Oct 78

An assessment of (1) cyproterone acetate and (2) ethinyl oestradiol and lynoestrenol (Minilyn) in the treatment of idiopathic hirsutism. Anderson JA. **Br J Dermatol** 99(5):545–52, Nov 78

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247–55, 24 Nov 78

An immunohistological study of steroid localization in Sertoli-Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Roulier R, et al. **Clin Endocrinol (Oxf)** 9(4):303–11, Oct 78

Pituitary-gonadal function in XYY and XXY men identified in a population survey. Schiavi RC, et al. **Clin Endocrinol (Oxf)** 9(3):233–9, Sep 78

Endocrine effects of spironolactone in man. Tidd MJ, et al. **Clin Endocrinol (Oxf)** 9(5):389–99, Nov 78

Effect of surgical stress on pituitary–testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Effect of acute myocardial infarction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

The effect of heroin addiction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(5):455–61, Nov 78

A comparison of hemodialysis and transplantation in reversing the uremic disturbance of male reproductive function. Holdsworth SR, et al. **Clin Nephrol** 10(4):146–50, Oct 78

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Hormonal changes in serum in young men during prolonged physical strain. Aakvaag A, et al. **Eur J Appl Physiol** 39(4):283–91, 20 Oct 78

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283–8, Sep 78

Response of the hypothalamic–pituitary–testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

A possible mechanism for the detrimental effect of varicocele on testicular function in man. Rodriguez-Rigau LJ, et al. **Fertil Steril** 30(5):577–85, Nov 78

Testosterone levels in cluster and non-cluster migrainous headache patients. Nelson RF. **Headache** 18(5):265–7, Nov 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Testosterone determinations in lines of chickens selected for differential mating frequency. Benoff FH, et al. **Horm Behav** 10(3):246–50, Jun 78

Influence of progesterone on sexual behavior in castrated male Rhesus monkeys treated with testosterone. Buhl AE, et al. **Horm Behav** 10(3):258–63, Jun 78

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365–78, 1978

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128–32, 1978

Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186–90, Nov 78

Effect of season and artificial photoperiod on levels of estradiol-17beta and estrone in blood serum of stallions. Thompson DL, et al. **J Anim Sci** 47(1):184–7, Jul 78

Antiandrogenic effects of the pineal gland and melatonin in castrated and intact prepubertal male rats. Alonso R, et al. **J Endocrinol** 79(1):77–83, Oct 78

Plasma concentrations of luteinizing hormone, testosterone and androstenedione in castrated and adrenalectomized bull calves. Bass JJ, et al. **J Endocrinol** 79(1):137–8, Oct 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Activity of testosterone 5alpha-reductase in the hair follicles of women with polycystic ovaries. Miyazaki M, et al. **J Endocrinol** 78(3):445–6, Sep 78

Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side-chain cleavage enzyme. Takatori T, et al. **J Endocrinol** 79(1):41–8, Oct 78

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650–7, Nov 78

Effects of chronic marihuana use on integrated plasma testosterone and luteinizing hormone levels. Mendelson JH, et al. **J Pharmacol Exp Ther** 207(2):611–7, Nov 78

Ability of biochemical and personality variables in discriminating between high and low physical fitness levels. Young RJ, et al. **J Psychosom Res** 22(3):193–9, 1978

Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. Collins PM, et al. **J Reprod Fertil** 54(2):285–91, Nov 78

Relationships between short-term variations of LH, FSH, prolactin and testosterone in peripheral plasma of prepubertal bulls. Schams D, et al. **J Reprod Fertil** 54(1):145–8, Sep 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

The binding of sex steroids in human maternal and fetal blood at different stages of gestation. Abramovich DR, et al. **J Steroid Biochem** 9(8):791–4, Aug 78

Effects of anesthesia, rapid blood sampling and castration on testosterone and luteinizing hormone levels in the adult male rabbit. Moor BC, et al. **J Steroid Biochem** 6(11–12):1527–30, Nov–Dec 75

Oestrogens and atheroma [letter] Phillips GB. **Lancet** 2(8099):1102–3, 18 Nov 78

Abnormal stress reactions after feeding diets rich in (very) long-chain fatty acids: high levels of corticosterone and testosterone. Hülsmann WC. **Mol Cell Endocrinol** 12(1):1–8, Oct 78

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178–80, 1978

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

Hilus cell tumor of the ovary and endometrial carcinoma. Mohamed NC, et al. **Obstet Gynecol** 52(4):486–90, Oct 78

Endogenous estrogen production in the young. Siiteri PK. **Pediatrics** 62(6 Pt 2):1134–7, Dec 78

Effects of prostaglandin–F2alpha on some reproductive parameters of fertile male rats. Saksena SK, et al. **Prostaglandins Med** 1(2):107–15, Aug 78

Neuroendocrine changes in acute schizophrenia as a function of clinical state and neuroleptic medication. Cotes PM, et al. **Psychol Med** 8(4):657–65, Nov 78

Anti–testosterone antisera produced in mice of different strains and sexes. Tateishi K, et al. **Steroids** 32(2):233–43, Sep 78

In vivo patterns of circulating steroids in adult male rats. IV. Evidence for rapid oscillations in testosterone in normal and totally parenterally nourished animals. Tcholakian RK, et al. **Steroids** 32(2):269–78, Sep 78

Treatment of advanced cancer of prostate with megestrol acetate. Geller J, et al. **Urology** 12(5):537–41, Nov 78

Stereological analysis of Reinke's crystals in human Leydig cells. Mori H, et al. **Virchows Arch [Pathol Anat]** 380(1):1–9, 18 Oct 78

Behavioural and physiological effects of testosterone propionate and cyproterone acetate in immature male domestic ducks, Anas platyrhynchos. Balthazart J. **Z Tierpsychol** 47(4):410–21, Aug 78

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801–7, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Sexuality in hyperprolactinemic patients] Merceron RE, et al. **Probl Actuels Endocrinol Nutr** (21):185–9, 1977 **(Fre)**

[Investigations on pituitary–testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[Testosterone serum concentrations after subcapsular orchiectomy (author's transl)] Senge T, et al. **Urologe [A]** 17(6):382–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Determination of plasma androgen in urologic diseases (author's transl)] Nishimura R, et al. **Nippon Hinyokika Gakkai Zasshi** 69(9):1140–3, Sep 78 **(Jpn)**

[Azoospermia caused by South American pemphigus foliaceus. Apropos of a case study] Proença NG, et al. **Rev Inst Med Trop Sao Paulo** 20(5):307–11, Sep–Oct 78 (Eng. Abstr.) **(Por)**

[Characteristics of steroidogenesis in girls with different forms of sexual development retardation] Safaralieva AR, et al. **Akush Ginekol (Mosk)** (10):34–8, 1978 (Eng. Abstr.) **(Rus)**

[Gonadotropic and androgenic functions in myocardial infarct] Tuev AV, et al. **Klin Med (Mosk)** 56(10):53–5, Oct 78 **(Rus)**

DEFICIENCY

[Testosterone and sexuality during anterior pituitary gland insufficiencies] Raymond JP. **Probl Actuels Endocrinol Nutr** (21):83–5, 1977 **(Fre)**

IMMUNOLOGY

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

Anti–testosterone antisera produced in mice of different strains and sexes. Tateishi K, et al. **Steroids** 32(2):233–43, Sep 78

METABOLISM

Developmental patterns of plasma and testicular testosterone in mice from birth to adulthood. Jean–Faucher C, et al. **Acta Endocrinol (Copenh)** 89(4):780–8, Dec 78

Autoradiographic studies of 3H–estramustine in the rat ventral prostate. Appelgren LE, et al. **Acta Pharmacol Toxicol (Copenh)** 43(5):368–74, Nov 78

Nonsurgical treatment of impotence. Larengood RW. **Ann Plast Surg** 1(2):239–40, Mar 78

Effects of in vivo treatment with an LHRH antagonist analog (D–PHE2–D–PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364–7, Sep 78

The pars nervosa is a target for androgen in the mouse. Sheridan PJ. **Biol Reprod** 19(3):657–60, Oct 78

Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Tcholakian RK, et al. **Biol Reprod** 19(2):431–8, Sep 78

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)

An immunohistological study of steroid localization in Sertoli–Leydig tumors of the ovary and testis. Kurman RJ, et al. **Cancer** 42(4):1772–83, Oct 78

Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Seböková E, et al. **Endocrinol Exp (Bratisl)** 12(3):147–56, Sep 78

Unusual anti–reproductive properties of the analog [d–Leu6,des–Gly–NH2(10)]–luteinizing hormone–releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600–3, Nov 78

Testicular steroid biosynthesis by the green lizard Lacerta viridis. Hews EA, et al. **Gen Comp Endocrinol** 35(4):432–5, Aug 78

Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Greene WA, et al. **Int J Fertil** 23(2):128–32, 1978

Cellular regulation of the metabolism of androgens in rat oral mucosa: I. Effect of medroxyprogesterone acetate (MPA) on the soluble supernatant (cytosol) activating microsomal delta4–3–ketosteroid–5alpha–reductase and 17beta–hydroxysteroid oxidoreductase enzyme systems. Vittek J, et al. **J Dent Res** 57(11–12):1016–8, Nov–Dec 78

Steroid feedback on luteinizing hormone secretion during sexual maturation in the pig. Elsaesser F, et al. **J Endocrinol** 78(3):329–42, Sep 78

Distribution of androgen metabolizing enzymes in isolated tissues of human forehead and axillary skin. Hay JB, et al. **J Endocrinol** 79(1):29–39, Oct 78

Androgen dependence of rat prostatic 3alpha–hydroxysteroid dehydrogenase. Massa R, et al. **J Endocrinol** 79(1):143–4, Oct 78

Testosterone metabolism in basal cell epitheliomas. Moretti G, et al. **J Invest Dermatol** 71(6):361–2, Dec 78

Seasonal variation in the histology of the testis of the red deer, Cervus elaphus. Hochereau–de Reviers MT, et al. **J Reprod Fertil** 54(2):209–13, Nov 78

Effects of an LH–RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Transformation of C18–, C19– and C21–steroids by cultures of Candida albicans. Ghraf R, et al. **J Steroid Biochem** 6(11–12):1531–6, Nov–Dec 75

Evidence for the presence of oestrone, oestradiol–17beta and testosterone acetates in rabbit ovary. Kumari GL, et al. **J Steroid Biochem** 6(11–12):1517–22, Nov–Dec 75

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Androgens in testes and adrenal glands of the fetal pig. Segal DH, et al. **J Steroid Biochem** 6(10):1439–44, Oct 75

Androgen metabolism in the dog. Yamamoto Y, et al. **J Steroid Biochem** 9(8):743–50, Aug 78

Androgen metabolism in the baboon: a comparison with the human. Yamamoto Y, et al. **J Steroid Biochem** 9(8):751–9, Aug 78

Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Muechler EK, et al. **Obstet Gynecol** 52(5):609–12, Nov 78

Presence of glucuronyltransferase activity in human lymphocytes. Gessner T, et al. **Res Commun Chem Pathol Pharmacol** 22(1):187–97, Oct 78

Conversion, in vitro, of (7n–3H) testosterone to estrone and estradiol–17beta and their 3–sulfate conjugate by the guinea–pig placenta. Adessi GL, et al. **Steroids** 32(3):295–306, Oct 78

Kinetics of testosterone metabolism in normal postmenopausal women and women with breast cancer. Bird CE, et al. **Steroids** 32(3):323–35, Oct 78

Testicular steroidogenesis in the baboon Papio anubis. Preslock JP, et al. **Steroids** 32(2):187–201, Sep 78

Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Rani CS, et al. **Steroids** 32(4):435–51, Nov 78

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

[Testosterone–1 alpha, 2 alpha–3H(n) absorption by target organ tissues in rabbit embryos in vitro] Ivanova EA. **Ontogenez** 9(6):627–32, 1978 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789–95, Dec 78

Pharmacological properties of some androgenic steroid nitrates. Cuparencu B, et al. **Agressologie** 19(1):39–58, 1978

Metric characteristics of the canine dental complex in prenatally androgenized female rhesus monkeys (Macaca mulatta). Zingeser MR, et al. **Am J Phys Anthropol** 49(2):187–92, Aug 78

The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Carriere R, et al. **Anat Rec** 192(3):407–21, Nov 78

Effect of testosterone on development of the lumen in seminiferous tubules of the rat. Bressler RS, et al. **Andrologia** 10(4):291–8, Jul–Aug 78

Seminal vesicles and its importance in the regulation of male fertility. Chatterjee A, et al. **Andrologia** 10(4):321–4, Jul–Aug 78

Independence of gonadotropin and adrenal androgen secretion. Lee PA, et al. **Andrologia** 10(5):369–72, Sep–Oct 78

Effects of testosterone upon feeding in male mice. Petersen S. **Anim Behav** 26(3):945–52, Aug 78

Reproductive tract fluid proteins and their hormonal control. Feigelson M, et al. **Ann NY Acad Sci** 286:273–86, 11 Mar 77 (44 ref.)

Activity and androgenic control of enzymes associated with the tricarboxylic acid cycle, lipid oxidation and mitochondrial shuttles in the epididymis and epididymal spermatozoa of the rat. Brooks DE. **Biochem J** 174(3):741–52, 15 Sep 78

The relation between the sex-dependency of type I binding of ethylmorphine and the 1-butanol-induced spectral change in mouse liver microsomes. van den Berg AP, et al. **Biochem Pharmacol** 28(1):31–6, 1979

Sex difference in L-glutamine D-fructose-6-phosphate aminotransferase activity of mouse submandibular gland. Hosoi K, et al. **Biochim Biophys Acta** 543(3):283–92, 18 Oct 78

Testosterone-induced proton release and inhibition of tryptic hydrolysis of albumin. Ryan MT, et al. **Biochim Biophys Acta** 543(3):364–72, 18 Oct 78

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Ovarian-dependent development of a stimulatory effect of 5alpha-dihydrotestosterone on serum follicle stimulating hormone in the ovariectomized rat. Campbell GT, et al. **Biol Reprod** 19(3):612–9, Oct 78

Dissociation between release of luteinizing hormone and prolactin and induction of female sexual behavior in normal and androgenized rats. Harlan RE, et al. **Biol Reprod** 19(2):439–46, Sep 78

Sexual maturation of the cold-exposed male rat: alterations in secondary sexual organ sensitivity to testosterone. Nazian SJ, et al. **Biol Reprod** 19(2):256–60, Sep 78

The anti-Müllerian hormone. Josso N, et al. **Birth Defects** 13(2):59–84, 1977

Recent advances in the pharmacologic regulation of fertility in men. Barwin BN. **Can Med Assoc J** 119(7):757–9, 7 Oct 78

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698–710, Dec 78 (47 ref.)

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555–69, Oct 78 (71 ref.)

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Apparent antibody-producing capacity of chicken thymocytes. Seto F. **Dev Comp Immunol** 2(4):667–77, Oct 78

Virilizing effect of testosterone and its metabolites on the urovaginal septum of female fetal rats. Kawashima K, et al. **Endocrinol Jpn** 25(4):309–13, Aug 78

LH secretion in the cockerel and the effects of castration and testosterone injections. Wilson SC. **Gen Comp Endocrinol** 35(4):481–90, Aug 78

Influence of progesterone on sexual behavior in castrated male Rhesus monkeys treated with testosterone. Buhl AE, et al. **Horm Behav** 10(3):258–63, Jun 78

Effect of testosterone propionate on electrical activity of brain in intact & gonadectomized rhesus monkeys. Mangat HK, et al. **Indian J Exp Biol** 16(8):893–6, Aug 78

Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186–90, Nov 78

Protein electrophoretic patterns of canine prostatic fluid. Effect of hormonal manipulation. Stubbs AJ, et al. **Invest Urol** 16(3):175–8, Nov 78

Effects of the aromatization inhibitor androst-4-ene-3,6,17-trione on sexual differentiation induced by testosterone in the neonatally castrated rat. Booth JE. **J Endocrinol** 79(1):69–76, Oct 78

Failure of histamine to induce the release of luteinizing hormone in castrated rats primed with sex steroids. Donoso AO, et al. **J Endocrinol** 78(3):447–8, Sep 78

Steroid feedback on luteinizing hormone secretion during sexual maturation in the pig. Elsaesser F, et al. **J Endocrinol** 78(3):329–42, Sep 78

Plasma concentrations of growth hormone during growth in normal and testosterone-treated chickens. Harvey S, et al. **J Endocrinol** 79(1):145–6, Oct 78

Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). Naik DR, et al. **J Endocrinol** 79(1):91–102, Oct 78

Sexual difference in the effect of cyproterone acetate and glucocorticoids on alpha2u-globulin in gonadectomized rats. Vandoren G, et al. **J Endocrinol** 79(1):135–6, Oct 78

Suppression of sebaceous gland development in laboratory animals by 17alpha-propyltestosterone. Ferrari RA, et al. **J Invest Dermatol** 71(5):320–3, Nov 78

Mechanism of first surge of luteinizing hormone and vaginal opening in the normal rat, and effect of neonatal androgen [proceedings] Fink G, et al. **J Physiol (Lond)** 282:34P–35P, Sep 78

Studies on the mechanism of testosterone action on glucose metabolism in the rat ventral prostate. Härkönen P, et al. **J Steroid Biochem** 6(10):1405–13, Oct 75

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

The effect of the neonatal testosterone treatment on the postnatal cell formation of the rat brain. Seress L. **Med J Osaka Univ** 28(3–4):285–9, Mar 78

The physiological interrelationships between depression, drugs, and sexuality. Watts RJ. **Nurs Forum** 17(2):168–83, 1978

Kinetics of testosterone induced-cholesterol synthesis in rat ventral prostate. Singhal AK, et al. **Proc Soc Exp Biol Med** 159(1):1–5, Oct 78

Estrogen 2-hydroxylase: activity in rat tissues. Barbieri RL, et al. **Steroids** 32(4):529–38, Nov 78

Effects of hormones in the newborn period on the development of the penis. Rajfer J, et al. **Surg Forum** 28:570–3, 1977

Behavioural and physiological effects of testosterone propionate and cyproterone acetate in immature male domestic ducks, Anas platyrhynchos. Balthazart J. **Z Tierpsychol** 47(4):410–21, Aug 78

[Influence of male hormone on libido in impuberism and hypogonadism at the age of 20 years] Gautier D, et al. **Probl Actuels Endocrinol Nutr** (21):57–67, 1977 **(Fre)**

[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep–Oct 78 (59 ref.) **(Rus)**

PHYSIOLOGY

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789–95, Dec 78

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

Increased sensitivity of bone to parathyroid hormone in castrated mice. Broulík PD, et al. **Endocrinol Exp (Bratisl)** 12(3):187–92, Sep 78

[Study of male type sex behavior induced by hormonal treatment in adult ovariectomized female sheep] Fabre C, et al. **Probl Actuels Endocrinol Nutr** (21):107–17, 1977 **(Fre)**

[Testosterone and sexuality in man] Legros JJ, et al. **Probl Actuels Endocrinol Nutr** (21):69–81, 1977 (30 ref.) **(Fre)**

[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. **Probl Actuels Endocrinol Nutr** (21):13–41, 1977 (71 ref.) **(Fre)**

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

SECRETION

Secretion of the androgens in the male guinea-pig during the perinatal period. Pelardy G, et al. **Acta Endocrinol (Copenh)** 89(4):770–9, Dec 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255–66, Sep 78

Effect of acute myocardial infarction on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):249–53, Sep 78

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

[12 cases of polycystic ovary type 1 (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**

[Dynamics of the sex hormone and progesterone level in the peripheral blood and their production by the gonads and adrenals in postnatal ontogeny in silver foxes] Krass PM, et al. **Ontogenez** 9(6):576–83, 1978 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Nonsurgical treatment of impotence. Larengood RW. **Ann Plast Surg** 1(2):239–40, Mar 78

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

Micropenis and its management. Smith DW. **Birth Defects** 13(2):147–54, 1977 (14 ref.)

Combination of hormonal and psychological treatment for female sexual unresponsiveness: a comparative study. Carney A, et al. **Br J Psychiatry** 133:339–46, Oct 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Treatment of excessively tall girls and boys with sex hormones. Prader A, et al. **Pediatrics** 62(6 Pt 2):1202–10, Dec 78

[Influence of male hormone on libido in impuberism and hypogonadism at the age of 20 years] Gautier D, et al. **Probl Actuels Endocrinol Nutr** (21):57–67, 1977 **(Fre)**

[Sex disorders during menopause] Simonin R. **Probl Actuels Endocrinol Nutr** (21):133–50, 1977 (75 ref.) **(Fre)**

[Sex hormones and general diseases; andrologic aspects] Hornstein OP. **Fortschr Med** 96(40):2035–43, 26 Oct 78 **(Ger)**

[Diagnosis and treatment of male infertility (author's transl)] Sakatoku J. **Nippon Hinyokika Gakkai Zasshi** 69(9):1147, Sep 78 **(Jpn)**

IV. Related Topics

CASTRATION

Inflammatory carcinoma of the breast. A therapeutic approach followed by improved survival. Pollak EW, et al. **Am J Surg** 136(6):722–5, Dec 78

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

Effect of testosterone propionate on electrical activity of brain in intact & gonadectomized rhesus monkeys. Mangat HK, et al. **Indian J Exp Biol** 16(8):893–6, Aug 78

Effects of gonadectomy on hypothalamic obesity in male and female rats. Kemnitz JW, et al. **Int J Obes** 1(3):259–70, 1977

Protein electrophoretic patterns of canine prostatic fluid. Effect of hormonal manipulation. Stubbs AJ, et al. **Invest Urol** 16(3):175–8, Nov 78

Effects of anesthesia, rapid blood sampling and castration on testosterone and luteinizing hormone levels in the adult male rabbit. Moor BC, et al. **J Steroid Biochem** 6(11–12):1527–30, Nov–Dec 75

Oestradiol–17beta, progesterone and 17alpha–hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier M, et al. **J Steroid Biochem** 6(10):1433–7, Oct 75

Effect of gonadectomy and sex hormone treatment on pantothenic acid content in the liver of the rats. Saad SF, et al. **Mater Med Pol** 10(3):188–90, Jul–Sep 78

Effects of methyltestosterone and oophorectomy in acute experimental mediocalcinosis in the rat. Hodara MA, et al. **Rev Bras Pesqui Med Biol** 11(4–5):237–40, Oct 78

Endometriosis after 'pelvic cleanout'. Schram JD. **South Med J** 71(11):1419–20, Nov 78

Salpingo–oophorectomy at the time of vaginal hysterectomy. Smale LE, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:4–10, 1978

[Measurement of estrogen receptor in relation to the prediction of hormone dependency in 7,12–dimethylbenz(a)anthracene–induced rat breast cancer and in human breast cancer (author's transl)] Abe Y. **Fukuoka Igaku Zasshi** 69(9):400–13, Sep 78 (Eng. Abstr.) **(Jpn)**

[Changes in the amount of protein in hypothalamic neurons of sexually mature rats castrated neonatally] Borisova NA, et al. **Biull Eksp Biol Med** 86(11):586–9, Nov 78 (Eng. Abstr.) **(Rus)**

METHODS

A technique for vaginal oophorectomy. Nichols DH. **Surg Gynecol Obstet** 147(5):765, Nov 78

VETERINARY

Effects of testosterone upon feeding in male mice. Petersen S. **Anim Behav** 26(3):945–52, Aug 78

The effect of ovariectomy on liver metabolism and maintenance energy requirement of hens. Balnave D, et al. **Br Poult Sci** 19(5):583–90, Sep 78

But they never warned me! [editorial] Smithcors JF. **Mod Vet Pract** 59(9):647, Sep 78

ESTRUS

Electrical and mechanical activity of rat uterus in vivo during the estrous cycle. Ishikawa M, et al. **Am J Obstet Gynecol** 132(6):611–9, 15 Nov 78

Cytological changes associated with the functions of the oviduct epithelium during proestrus and estrus in impala, Aepyceros melampus (Lichtenstein, 1812). Epelu–Opio J. **Anat Anz** 144(1):36–47, Jun 78

Enzyme activities and protein and carbohydrate concentrations in cervical secretions at dioestrus in normal ewes and ewes with permanent phytooestrogenic infertility. Tang BY, et al. **Aust J Biol Sci** 31(3):241–6, Jun 78

Sequential observations on the gonads and oestrous behaviour of a hermaphrodite gilt. Paterson AM, et al. **Aust Vet J** 54(8):398–9, Aug 78

Contractile response of the uterus of the estrous ewe to adrenergic stimulation. Rexroad CE, et al. **Biol Reprod** 19(2):297–305, Sep 78

In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Terranova PF, et al. **Biol Reprod** 19(2):249–55, Sep 78

Dissociation of persistent estrus and a free–running activity cycle in different light cycles. Weber AL, et al. **Biol Reprod** 19(2):425–30, Sep 78

Variations in 'functional' blood flow as related to corpus luteum activity in cyclic guinea pigs. Wehrenberg WB, et al. **Biol Reprod** 19(2):380–4, Sep 78

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

The rat estrous cycle associated with functional corpora lutea and the mechanism of its recurrence. Naito H, et al. **Endocrinol Jpn** 25(4):367–76, Aug 78

Effects of prenatal stress on the estrous cycle of female offspring as adults. Herrenkohl LR, et al. **Experientia** 34(9):1240–1, 15 Sep 78

The effect of glycine on serum luteinizing hormone in adult female rats. Morishita H, et al. **Experientia** 34(9):1231–2, 15 Sep 78

Correlation between estrus and reduced light avoidance in mice. Gray P. **Horm Behav** 10(3):277–84, Jun 78

Estrous synchrony and its mediation by airborne chemical communication (Rattus norvegicus). McClintock MK. **Horm Behav** 10(3):264–75, Jun 78

Effect of cyproterone acetate on the production of the estrusinducing pheromone in the wild mouse. Pandey SD, et al. **Indian J Exp Biol** 16(8):887–9, Aug 78

Activity of the pituitary–adrenocortical system and thyroid gland during the oestrous cycle of the rat. Buckingham JC, et al. **J Endocrinol** 78(3):359–66, Sep 78

Significance of prolactin in spontaneously persistent oestrous rats. Gosden RG. **J Endocrinol** 78(3):451–2, Sep 78

Mammary gland hyperplastic alveolar noduligenesis in the LEW/Mai rat in relation to mitotic activity, estrous cycle status, and age. Purnell DM, et al. **J Natl Cancer Inst** 61(5):1339–46, Nov 78

Examination of factors which might influence ovine sodium preference during the oestrous cycle: food intake and oestrogens [proceedings] Michell AR. **J Physiol (Lond)** 282:41P–42P, Sep 78

Time of ovulation in ewes after treatment with a prostaglandin F–2alpha analogue. Acritopoulou S, et al. **J Reprod Fertil** 54(1):189–91, Sep 78

The oestrous cycle of the brown lemur, Lemur fulvus. Boskoff KJ. **J Reprod Fertil** 54(2):313–8, Nov 78

Luteal function in sows after unilateral infusion of PGF–2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Oestradiol–17beta, progesterone and 17alpha–hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. Thibier M, et al. **J Steroid Biochem** 6(10):1433–7, Oct 75

Comparative investigation of the electrical properties in myometrial longitudinal and circular muscles of rat during estrous cycle and pregnancy. Osa T. **Nippon Heikatsukin Gakkai Zasshi** 14 Suppl:53, Feb 78

Proestrous levels of LH and FSH subsequent to adrenalectomy the same morning. Castracane VD, et al. **Tex Rep Biol Med** 36:63–7, 1978

[Three lambings within two years following induction of oestrus (author's transl)] Ruiter T. **Tijdschr Diergeneeskd** 103(24):1334–8, 15 Dec 78 (Eng. Abstr.) **(Dut)**

[Note on the manifestations of the estrus cycle and reproduction of N'Dama cows] Ralambofiringa A. **Rev Elev Med Vet Pays Trop** 31(1):91–4, 1978 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The effect of glycine on serum luteinizing hormone in adult

female rats. Morishita H, et al. **Experientia** 34(9):1231–2, 15 Sep 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Evaluation of estrous activity in bitches treated with mibolerone and exposed to adult male dogs. Sokolowski JH. **J Am Vet Med Assoc** 173(8):983–4, 15 Oct 78

Effect of anaesthesia on ovarian follicular development and ovulation in the sheep subsequent to prostaglandin-induced luteolysis. Radford HM, et al. **J Endocrinol** 78(3):321–7, Sep 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161–4, Oct 78

FEMINIZATION

[Physiopathology of adolescence] Zavettieri Giannettasio E. **Minerva Med** 69(45):3059–90, 29 Sep 78 **(Ita)**

ETIOLOGY

[Pathogenesis of extrahepatic disorders in chronic hepatitis and liver cirrhosis and ways of their correction] Kurdybaĭlo FV, et al. **Ter Arkh** 50(10):121–5, 1978 (25 ref.) (Eng. Abstr.) **(Rus)**

OVULATION

Possible ovulatory deficiency after tubal ligation. Berger GS, et al. **Am J Obstet Gynecol** 132(6):699–700, 15 Nov 78

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Stimulation of ribonucleic aicd synthesis in luteinized rat ovary by cyclic 3', 5'-adenosine monophosphate. Azhar S, et al. **Biol Reprod** 19(2):346–57, Sep 78

On the control of calcium secretion in the avian shell gland (uterus). Eastin WC Jr, et al. **Biol Reprod** 19(3):493–504, Oct 78

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

Detection of ovulation by a method of change in finger-finger electropotential readings. Poulson AM Jr, et al. **Contraception** 18(3):295–308, Sep 78

Lesioning studies on the gravid female goldfish: neuroendocrine regulation of ovulation. Peter RE, et al. **Gen Comp Endocrinol** 35(4):391–401, Aug 78

Return of ovulation at first postpartum visit. Pongthai S, et al. **J Med Assoc Thai** 61(11):626–33, Nov 78

The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). Milligan SR. **J Reprod Fertil** 54(2):309–11, Nov 78

Isolated follicle-stimulating hormone deficiency revisited. Ovulation and conception in presence of circulating antibody to follicle-stimulating hormone. Rabinowitz D, et al. **N Engl J Med** 300(3):126–8, 18 Jan 79

Relation of vitamin D-dependent intestinal calcium-binding protein to calcium absorption during the ovulatory cycle in Japanese quail. Wasserman RH, et al. **Proc Soc Exp Biol Med** 159(2):286–7, Nov 78

[Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Fujita Y, et al. **Nippon Naibunpi Gakkai Zasshi** 54(9):1043–57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

[Temporal relationship of LH and estradiol at mid cycle (author's transl)] Uemura T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):855–65, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Effects of oxytocin antiserum and of indomethacin on hCG-induced ovulation in the rabbit. Roca RA, et al. **Biol Reprod** 19(3):552–7, Oct 78

Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue – a new approach to birth control? Nillius SJ, et al. **Contraception** 17(6):537–44, Jun 78

The effect of aspirin (prostaglandin synthetase inhibitor) on ovulation. Greenway FL, et al. **Fertil Steril** 30(3):364–5, Sep 78

Effect of anaesthesia on ovarian follicular development and ovulation in the sheep subsequent to prostaglandin-induced luteolysis. Radford HM, et al. **J Endocrinol** 78(3):321–7, Sep 78

Time of ovulation in ewes after treatment with a prostaglandin F-2alpha analogue. Acritopoulou S, et al. **J Reprod Fertil** 54(1):189–91, Sep 78

Ovulatory response of hypophysectomized hamsters to deferred injection of LH. Greenwald GS. **J Reprod Fertil** 54(2):323–4, Nov 78

The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). Milligan SR. **J Reprod Fertil** 54(2):309–11, Nov 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161–4, Oct 78

[Specific features in estrogen excretion during the 1st trimester of pregnancy following stimulation of the ovulation] Orlova VG, et al. **Vopr Okhr Materin Det** 23(9):80–2, Sep 78 (Eng. Abstr.) **(Rus)**

OVULATION INDUCTION

The study of induction of ovulation with menotropins: analysis of results of 1897 treatment cycles. Oelsner G, et al. **Fertil Steril** 30(5):538–44, Nov 78

The anti-reproductive pharmacology of LH-RH and agonistic analogues. Corbin A, et al. **Int J Fertil** 23(2):81–92, 1978

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93–9, 1978

Metabolic behaviour and cleavage capacity in the amphibian egg. Legname AR, et al. **J Embryol Exp Morphol** 47:161–8, Oct 78

Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

Bromocriptine. Clinical experience in the induction of pregnancy in amenorrhea-galactorrhea syndrome. Zárate A, et al. **Obstet Gynecol** 52(4):442–4, Oct 78

[Ovulation induction with bromocryptin] Coelingh Bennink HJ. **Ned Tijdschr Geneeskd** 122(47):1831–40, 25 Nov 78 (Eng. Abstr.) **(Dut)**

[Insemination (IAC) with fractionated ejaculate in sterile couples. Spermatological, hormonal and clinical considerations in 73 cases] Cohen J, et al. **Gynecologie** 29(4):347–52, 1978 **(Fre)**

METHODS

Experience with the induction of ovulation. Gemzell CA. **J Reprod Med** 21(3 Suppl):205–7, Sep 78

Therapeutic regimens and monitoring techniques for human menopausal gonadotropin administration. March CM. **J Reprod Med** 21(3 Suppl):198–204, Sep 78

Selection and pretreatment evaluation of patients treated with human menopausal gonadotropins. Mishell DR Jr. **J Reprod Med** 21(3 Suppl):191–3, Sep 78

VETERINARY

[Three lambings within two years following induction of oestrus (author's transl)] Ruiter T. **Tijdschr Diergeneeskd** 103(24):1334–8, 15 Dec 78 (Eng. Abstr.) **(Dut)**

PUBERTY

Speaking fundamental frequency characteristics of institutionalized adults with Down's syndrome. Moran MJ, et al. **Am J Ment Defic** 83(3):248–52, Nov 78

Effects of testosterone upon feeding in male mice. Petersen

S. **Anim Behav** 26(3):945–52, Aug 78

Relationship between plasma concentration of luteinising hormone and intensity of lay in the domestic hen. Wilson SC. **Br Poult Sci** 19(5):643–50, Sep 78

LH-releasing hormone stimulation test in prepubertal diagnosis of hypogonadotropic syndromes. Kosowicz J, et al. **Endokrynol Pol** 29(6):491–500, Nov–Dec 78

Puberty-related alterations in the organization of sleep--wakefulness states: differences between spontaneous and induced pubertal conditions. Sieck GC, et al. **Exp Neurol** 61(2):407–20, 1 Sep 78

Periodicities in physiological activity at puberty in the female rat. Sieck GC, et al. **Exp Neurol** 61(2):421–31, 1 Sep 78

Sex steroid imprinting of the immature prostate. Long-term effects. Rajfer J, et al. **Invest Urol** 16(3):186–90, Nov 78

Phosphorus influence on growth and reproduction of beef cattle. Call JW, et al. **J Anim Sci** 47(1):216–25, Jul 78

Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235–40, Jul 78

Bayley-Pinneau, Roche-Wainer-Thissen, and Tanner height predictions in normal children and in patients with various pathologic conditions. Zachmann M, et al. **J Pediatr** 93(5):749–55, Nov 78

Rubella-vaccinated students. Follow-up in a public school system. Schiff GM, et al. **JAMA** 240(24):2635–7, 8 Dec 78

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

Orchiopexy in prepubertal boys. Five-year survey. Evans JP, et al. **Urology** 12(5):509–13, Nov 78

[Management of Turner's syndrome] Wemeau-Jacquemont C. **Lille Med** 23(8):561–6, Oct 78 **(Fre)**

[Tumors of the ovary occurring before puberty (apropos of 24 cases including 5 bilateral)] Mayer B, et al. **Pediatrie** 33(6):583–91, Sep 78 (Eng. Abstr.) **(Fre)**

[Genetic research on the time of manifestation of puberty] Ronzoni Bernardi MG. **Minerva Med** 69(46):3172–4, 30 Sep 78 **(Ita)**

[Change of diphenylhydantoin tolerance at the time of reaching puberty in a 16-year-old girl suffering from epilepsy] Wolny H, et al. **Neurol Neurochir Pol** 12(5):663–5, 1978 (Eng. Abstr.) **(Pol)**

[Relationship between the dynamics of mental disorders in patients with primary hypogonadism and surgical intervention (testicular transplantation)] Korkina MV, et al. **Zh Nevropatol Psikhiatr** 78(11):1694–701, 1978 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Influence of male hormone on libido in impuberism and hypogonadism at the age of 20 years] Gautier D, et al. **Probl Actuels Endocrinol Nutr** (21):57–67, 1977 **(Fre)**

SEX CHROMATIN

ULTRASTRUCTURE

[Persistence of sex chromatin in cell nuclei of internal organs preserved under various conditions. II.] Michailov R. **Beitr Gerichtl Med** 36:525–7, 1978 (Eng. Abstr.) **(Ger)**

SEX CHROMOSOMES

Induction of hemopoiesis in rat embryonic bone transplanted into adult subcutaneous connective tissue. Hsueh CL. **Acta Med Okayama** 32(4):283–91, Aug 78

Unusual type of neural muscular atrophy with a possible X-chromosomal inheritance pattern. Skre H, et al. **Acta Neurol Scand** 58(4):249–60, Oct 78

A case of acute myelogenous leukemia with an 8--21 translocation, missing Y, and additional karyotypic abnormalities. Kaneko Y, et al. **Am J Hematol** 4(3):273–80, 1978

Triplo-X constitution of mother explains apparent occurrence of two recombinants in sibship segregating at two closely X-linked loci (G6PD and deutan). Rinaldi A, et al. **Am J Hum Genet** 30(4):339–45, Jul 78

Identical action of Y chromosome and sxr factor in early testicular development in the mouse. Spoljar M, et al. **Anat Embryol (Berl)** 155(1):115–26, 5 Dec 78

X-linked dyskeratosis congenita with pancytopenia. Gutman A, et al. **Arch Dermatol** 114(11):1667–71, Nov 78

Sex determination and differentiation in mammalian germ cells. Wai-sum O, et al. **Birth Defects** 13(2):1–12, 1977 (41 ref.)

Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Doll DC, et al. **Cancer** 42(4):1823–5, Oct 78

Variation for X chromosome expression in mice detected by electrophoresis of phosphoglycerate kinase. West JD, et al. **Genet Res** 32(1):91–102, Aug 78

Chromosome banding studies in two patients with XXXXY syndrome. Levy CL, et al. **J Med Genet** 15(4):301–16, Aug 78

Epiphysial dysplasia: a constant finding in the XXXXY syndrome. Schmidt R, et al. **J Med Genet** 15(4):282–7, Aug 78

A chimaeric calf with XY/XXY mosaicism and intersexuality. Dain AR, et al. **J Reprod Fertil** 54(1):197–201, Sep 78

Sex chromosome chimaerism and the transmission of blood group genes by tetraparental rams. Tucker EM, et al. **J Reprod Fertil** 54(1):77–83, Sep 78

Marker X chromosomes, mental retardation and macro-orchidism [letter] Turner G, et al. **N Engl J Med** 299(26):1472, 28 Dec 78

X-linked immunodeficiency with increased IgM: clinical, ethnic, and immunologic heterogeneity. Kyong CU, et al. **Pediatr Res** 12(10):1024–6, Oct 78

XYY karyotype, female phenotype and gonadal dysgenesis. A case report. Grace HJ, et al. **S Afr Med J** 54(7):284–6, 12 Aug 78

Appearance rate of fluorescent Y-body in healthy Chinese buccal epithelial cells and leukocytes with special reference to its value in sex determination. Pan IH, et al. **Taiwan I Hsueh Hui Tsa Chih** 77(9):666–72, Sep 78

[Use of DNA fluorochromatization for determination of time of death in the late postmortem stage] Tröger HD, et al. **Beitr Gerichtl Med** 36:319–22, 1978 (Eng. Abstr.) **(Ger)**

[Sex hormones and general diseases; andrologic aspects] Hornstein OP. **Fortschr Med** 96(40):2035–43, 26 Oct 78 **(Ger)**

[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**

[Karyological variants in Turner's syndrome] Zanoio L, et al. **Minerva Ginecol** 30(10):817–20, Oct 78 (Eng. Abstr.) **(Ita)**

[Familial occurrence of gonadal tumors in women with a 46,XY karyotype] Boczkowski K, et al. **Endokrynol Pol** 29(6):527–35, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

[Role of Y chromosome in human sex determination] Boczkowski K. **Postepy Hig Med Dosw** 32(3):373–80, May–Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Insect sex chromosomes: Part I--Differential response to 5-bromodeoxyuridine of the two X chromosomes in females of the mole cricket Gryllotalpa fossor (Scudder). Rao SR, et al. **Indian J Exp Biol** 16(8): 870–2, Aug 78

PHYSIOLOGY

Satellite DNAs in eukaryotes: a non-adaptive mechanism of speciation which originated with sexual reproduction? Corneo G. **Experientia** 34(9):1141–2, 15 Sep 78

Model for evolution of Y chromosomes and dosage compensation. Charlesworth B. **Proc Natl Acad Sci USA** 75(11):5618–22, Nov 78

Gene dosage compensation and the evolution of sex chromosomes. Lucchesi JC. **Science** 202(4369):711–6, 17 Nov 78

[Role of Y chromosome in human sex determination] Boczkowski K. **Postepy Hig Med Dosw** 32(3):373–80, May–Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Do radiation-induced thioguanine-resistant mutants of cultured mammalian cells arise by HGPRT gene mutation or X-chromosome rearrangement? Cox R, et al. **Nature** 276(5688):629–30, 7 Dec 78

[Dominant lethality and translocations in the sex cells of male rats under low-intensity gamma irradiation] Baev IA, et al. **Genetika** 14(11):1991–5, Nov 78 (Eng. Abstr.) **(Rus)**

[Chromosomal translocations evoked in the sex cells of male mice by combined exposure to chronic gamma and acute x-ray irradiation] Bairakova A, et al. **Kosm Biol Aviakosm Med** 12(6):72–3, Nov–Dec 78 **(Rus)**

ULTRASTRUCTURE

The atypical fluorescent body of the interphase nuclei of buccal mucosal cells and its relationship to the Y chromosome. Cheng WS, et al. **Acta Cytol (Baltimore)** 22(4):268–72, Jul–Aug 78

Unusual chromosomal variant in Klinefelter's syndrome. Gardiner A, et al. **Br Med J** 2(6145):1123, 21 Oct 78

Chromosomal and morphological diversity in 2 populations of Asian mountain vole, Alticola lemminus Miller (Rodentia, Cricetidae). Bykova GV, et al. **Experientia** 34(9):1146–8, 15 Sep 78

Length heteromorphisms of fluorescent (f) and non-fluorescent (nf) segments of human Y chromosome: classification, frequencies, and incidence in normal Caucasians. Verma RS, et al. **J Med Genet** 15(4):277–81, Aug 78

SEX DETERMINATION

Sex determination and differentiation in mammalian germ cells. Wai-sum O, et al. **Birth Defects** 13(2):1–12, 1977 (41 ref.)

A diagram of evolution. Darlington CD. **Nature** 276(5687):447–52, 30 Nov 78

Prenatal diagnosis of chromosome abnormality. Laurence KM, et al. **Pathobiol Annu** 8:155–87, 1978 (71 ref.)

Appearance rate of fluorescent Y-body in healthy Chinese buccal epithelial cells and leukocytes with special reference to its value in sex determination. Pan IH, et al. **Taiwan I Hsueh Hui Tsa Chih** 77(9):666–72, Sep 78

[Role of Y chromosome in human sex determination] Boczkowski K. **Postepy Hig Med Dosw** 32(3):373–80, May-Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**

[Enzyme tests in the diagnosis of gynecologic diseases and in obstetrics] Zaniewski A. **Wiad Lek** 31(18):1293–5, 15 Sep 78 (13 ref.) **(Pol)**

SEX REVERSAL, GONADAL

Identical action of Y chromosome and sxr factor in early testicular development in the mouse. Spoljar M, et al. **Anat Embryol (Berl)** 155(1):115–26, 5 Dec 78

Transsexual surgery. Simon BE. **Ann Plast Surg** 1(2):129–9, Mar 78

Effect of the mouse mutants testicular feminization and sex reversal on hormone-mediated induction and repression of enzymes. Bulfield G, et al. **Biochem Genet** 16(7–8):743–50, Aug 78

Flight into femininity. The male menopause? Steiner BW, et al. **Can Psychiatr Assoc J** 23(6):405–10, Oct 78

[Legal aspects of transsexualism] Friedrich E. **Beitr Gerichtl Med** 36:191–5, 1978 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[Legal aspects of transsexualism] Friedrich E. **Beitr Gerichtl Med** 36:191–5, 1978 (Eng. Abstr.) **(Ger)**

PLACENTA

I. Physical and Functional Aspects

PLACENTA

ANALYSIS

New vistas in histopathology [letter] Gau GS, et al. **Lancet** 2(8099):1105, 18 Nov 78

Immunoperoxidase technique in routine histopathology [letter] Heyderman E, et al. **Lancet** 2(8104-5):1382, 23-30 Dec 78

Presence of immunoreactive beta-lipotropin and beta-endorphin in human placenta. Nakai Y, et al. **Life Sci** 23(20):2013-8, 13 Nov 78

Preparation and characterization of human syncytiotrophoblast plasma membrane. Smith NC, et al. **Med Biol** 56(5):272-6, Oct 78

Immunohistochemical demonstration of somatostatin-containing cells in the human placenta. Nishihira M, et al. **Tohoku J Exp Med** 126(4):397-8, Dec 78

[Determination of microelements in the human placenta. III. Commun.: atomic-absorption spectrophotometric determination of Zn, Cu, Cd, Mn, Fe, and Mg contents of human placentas (author's transl)] Riemschneider R, et al. **Geburtshilfe Frauenheilkd** 38(11):971-7, Nov 78 (Eng. Abstr.) **(Ger)**

[Immunochemical study of specific 'pregnancy protein' during mammalian ontogenesis] Krivonosov SK, et al. **Ontogenez** 9(5):481-6, 1978 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Placental enzyme polymorphism among Maharashtrians: alkaline phosphatase and lactate dehydrogenase. Mukherjee BN, et al. **Ann Hum Biol** 5(5):435-40, Sep 78

Estradiol receptor and 17 beta-dehydrogenase in normal and abnormal human endometrium. Tseng L, et al. **Ann NY Acad Sci** 286:190-8, 11 Mar 77

Cholesterol side-chain cleavage, cytochrome P450, and iron-sulfur protein in human placental mitochondria. Simpson ER, et al. **Arch Biochem Biophys** 190(2):800-8, Oct 78

X-linked icthyosis. A sulphatase deficiency. Koppe G, et al. **Arch Dis Child** 53(10):803-6, Oct 78

Gestational changes in pulmonary converting enzyme activity in the fetal rabbit. Stalcup SA, et al. **Circ Res** 43(5):705-11, Nov 78

Placental enzymes of glycolysis, gluconeogenesis and lipogenesis in the diabetic rat and in starvation. Comparison with maternal and foetal liver. Diamant YZ, et al. **Diabetologia** 15(6):481-5, Dec 78

Human placenta alpha-N-acetylglucosaminidase: purification, characterization and demonstration of multiple recognition forms. Röhrborn W, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1353-62, Oct 78

Initiation of parturition in the goat: evidence for control by foetal glucocorticoid through activation of placental C21-steroid 17alpha-hydroxylase. Flint AP, et al. **J Endocrinol** 78(3):367-78, Sep 78

Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. Brueggemeier RW, et al. **J Med Chem** 21(10):1007-11, Oct 78

Histochemical demonstration of prostaglandin dehydrogenases in the uterine and chorionic epithelia of the pregnant pig. Niimura S, et al. **J Reprod Fertil** 54(1):149-51, Sep 78

Enzymatic basis of typical X-linked ichthyosis [letter] Marinković-Ilsen A, et al. **Lancet** 2(8099):1097, 18 Nov 78

HPL measurements: relationships with maternal weight gain in twin pregnancy. Schneider L, et al. **Prog Clin Biol Res** 24 Pt C:123-8, 1978

Properties of the aromatase system associated with the mitochondrial fraction of human placenta. Canick JA, et al. **Steroids** 32(4):499-509, Nov 78

3beta-Hydroxysteroid dehydrogenase activity in human fetal membranes. Gibb W, et al. **Steroids** 32(3):365-72, Oct 78

[Isoenzymes, methodology and clinical significance (author's transl)] Bayer PM. **Wien Klin Wochenschr [Suppl]** 90(91):1-21, 1978 (123 ref.) (Eng. Abstr.) **(Ger)**

[Evidence for existence of type A MAO in mitochondria from human placenta (author's transl)] Kikuchi R, et al. **Nippon Yakurigaku Zasshi** 74(6):763-72, Sep 78 (Eng. Abstr.) **(Jpn)**

[Enzyme tests in the diagnosis of gynecologic diseases and in obstetrics] Zaniewski A. **Wiad Lek** 31(18):1293-5, 15 Sep 78 (13 ref.) **(Pol)**

METABOLISM

Iron deficiency anaemia in newborn sla mice: a genetic defect of placental iron transport. Kingston PJ, et al. **Br J Haematol** 40(2):265-76, Oct 78

Improved liquid chromatographic determination of placental estriol in urine. Gotelli GR, et al. **Clin Chem** 24(12):2132-4, Dec 78

Free choline concentration and cephalin-N-methyltransferase activity in the maternal and foetal liver and placenta of pregnant rats. Gwee MC, et al. **Clin Exp Pharmacol Physiol** 5(6):649-53, Nov-Dec 78

Some problems on health effects of polychlorinated biphenyls. Umeda G, et al. **Ecotoxicol Environ Safety** 1(4):437-46, Mar 78

Interaction between selenium and methylmercury. Skerfving S. **Environ Health Perspect** 25:57-65, Aug 78 (68 ref.)

Transplacental passage of atenolol in man. Melander A, et al. **Eur J Clin Pharmacol** 14(2):93-4, 16 Nov 78

The effect of 5-fluorouracil on [3H]nucleoside incorporation into the DNA of mouse embryos and maternal tissues. Skalko RG, et al. **Exp Mol Pathol** 29(3):303-15, Dec 78

Production of thromboxane B2 by the intra-uterine tissues from late pregnant Rhesus monkeys (Macaca mulatta) in vitro. Mitchell MD, et al. **J Endocrinol** 79(1):103-6, Oct 78

Specific change in the direction of prostaglandin synthesis by intra-uterine tissues of the rhesus monkey (Macaca mulatta) during late pregnancy. Mitchell MD, et al. **J Endocrinol** 78(3):343-50, Sep 78

Thromboxane B2 and human parturition: concentrations in the plasma and production in vitro. Mitchell MD, et al. **J Endocrinol** 78(3):435-41, Sep 78

Surgery in a gravid patient. Sexton J, et al. **J Oral Surg** 36(11):878-86, Nov 78

Conversion of 3beta, 15beta, 16beta-trihydroxy-5-androsten-17-one to 1,3,5(10)-oestratriene-3,15beta,16beta,17beta-tetrol by placental homogenates. Shackleton CH, et al. **J Steroid Biochem** 6(10):1401-3, Oct 75

3-Hydroxyxanthine: transplacental effects and ontogeny of related sulfate metabolism in rats and mice. Anderson LM, et al. **JNCI** 61(6):1405-10, Dec 78

Characteristics of the solubilized insulin receptor of human placenta. Maturo JM 3d, et al. **Life Sci** 23(20):2063-71, 13 Nov 78

The transfer of free palmitic and linoleic acids across the ovine placenta. Noble RC, et al. **Lipids** 13(9):610-5, Sep 78

S-adenosylhomocysteine hydrolase is an adenosine-binding protein: a target for adenosine toxicity. Hershfield MS, et al. **Science** 202(4369):757-60, 17 Nov 78

Conversion, in vitro, of (7n-3H) testosterone to estrone and estradiol-17beta and their 3-sulfate conjugate by the

PLACENTA

guinea-pig placenta. Adessi GL, et al. **Steroids** 32(3):295–306, Oct 78

[Implantation, fetal development and PMSG production in twin mares after mating with their chimeric twin brother] Bouters R, et al. **Verh K Acad Geneeskd Belg** 40(4):253–68, 1978 (Eng. Abstr.) **(Dut)**

[Hormone effects of the administration of 50 mg of dehydroepiandrosterone (DHEAS) intravenously in pregnant women (author's transl)] Laumosne J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):801–7, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Glycogen distribution in the placenta] Jóźwik M. **Ginekol Pol** 49(10):923–6, Oct 78 **(Pol)**

[Placental barrier] Neumark A, et al. **Pieleg Polozna** (11):4–6, 1978 **(Pol)**

[Biochemical study of nucleic acids of placenta and fetal liver and caryometric of trophoblastic giant cells and fetal hepatocytes of Rattus norvegicus albinus, during action of sodium 1-phenyl-2, 3-dimethyl-5-pyrazolon-methane sulfonate (Dipyrone) (author's transl)] Villa N, et al. **Rev Bras Pesqui Med Biol** 11(4–5):259–65, Oct 78 (Eng. Abstr.) **(Por)**

[Chief types of placental trophism] Subbotin MIa, et al. **Arkh Anat Gistol Embriol** 75(10):13–20, Oct 78 (60 ref.) (Eng. Abstr.) **(Rus)**

[Peculiarities of some metabolic processes in the placenta in prolonged pregnancy] Brilliantova SA, et al. **Vopr Okhr Materin Det** 23(9):67–9, Sep 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Fetal and maternal monitoring: antepartal fetal assessment. Cranley MS. **Am J Nurs** 78(12):2098–2120, Dec 78

Fetal and maternal monitoring: intrapartal fetal monitoring. Yunek MJ, et al. **Am J Nurs** 78(12):2102–7, Dec 78

An inhibitor from placenta specifically binds urokinase and inhibits plasminogen activator released from ovarian carcinoma in tissue culture. Holmberg L, et al. **Biochim Biophys Acta** 544(1):128–37, 15 Nov 78

Interpretation of urinary oestrogen:creatinine ratio for monitoring fetoplacental function in late pregnancy. Phillips SD, et al. **Clin Chim Acta** 89(1):71–8, 2 Oct 78

Identification of the major cytochrome P-450 form transplacentally induced in neonatal rabbits by 3,3,7,8-tetrachlorodibenzo-p-dioxin. Norman RL, et al. **J Biol Chem** 253(23):8640–7, 10 Dec 78

The transplacental potential difference as distinguished from the maternal-fetal potential difference of the guinea-pig. Binder ND, et al. **J Physiol (Lond)** 282:561–70, Sep 78

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

[The foetal kidney function (author's transl)] Vallancien G. **J Urol Nephrol (Paris)** 84(6):409–14, Jun 78 (42 ref.) (Eng. Abstr.) **(Fre)**

[Relationships between the HPL determination in maternal serum and the condition of the associated placental villous trophoblast] Ruckhäberle KE, et al. **Zentralbl Gynaekol** 100(19):1245–53, 1978 (Eng. Abstr.) **(Ger)**

[Chief types of placental trophism] Subbotin MIa, et al. **Arkh Anat Gistol Embriol** 75(10):13–20, Oct 78 (60 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The effect of low haematocrit on serum human placental lactogen values. Agboola A. **Br J Obstet Gynaecol** 85(10):758–60, Oct 78

Thyroid disease and pregnancy [editorial] **Br Med J** 2(6143):977–8, 7 Oct 78

Intrarenal vascular lesions associated with pre-eclampsia. Aber GM. **Nephron** 21(6):297–309, 1978 (91 ref.)

SECRETION

The effect of luteinizing hormone-releasing factor on human chorionic gonadotropin secretion. Khodr G, et al. **Fertil Steril** 30(3):301–4, Sep 78

Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. Harrison FA, et al. **J Reprod Fertil** 54(1):153–7, Sep 78

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

PLACENTAL FUNCTION TESTS

Feto-placental function tests [letter] Simmons SC. **Lancet** 2(8099):1096, 18 Nov 78

METHODS

[Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Honda T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1125–50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

PLACENTA

II. Disorders of the Placenta

CHORIOCARCINOMA

Gastrointestinal tract metastasis in patients with germ-cell tumor of the testis. Chait MM, et al. **Am J Dig Dis** 23(10):925–8, Oct 78

Concanavalin-A stimulates human chorionic gonadotropin (hCG) and hCG-alpha secretion by human choriocarcinoma cells. Benveniste R, et al. **Biochem Biophys Res Commun** 84(4):1082–7, 30 Oct 78

COMPLICATIONS

[Pulmonary arterial hypertension caused by neoplastic thrombosis of the pulmonary artery] Beaufils P, et al. **Arch Mal Coeur** 71(7):816–22, Jul 78 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Southern Regional Trophoblastic Disease Center, 1972—1977. Hatch KD, et al. **South Med J** 71(11):1334–6, 1340, Nov 78

[Value and problems of alpha-fetoprotein determinations in testicular neoplasms] Pirlich W, et al. **Z Urol Nephrol** 71(9):613–6, Sep 78 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Southern Regional Trophoblastic Disease Center, 1972—1977. Hatch KD, et al. **South Med J** 71(11):1334–6, 1340, Nov 78

IMMUNOLOGY

HLA and trophoblastic tumours. Lawler SD. **Br Med Bull** 34(3):305–8, Sep 78 (16 ref.)

PATHOLOGY

Choriocarcinoma with metastasis in a postmenopausal woman. Dougherty CM, et al. **Am J Obstet Gynecol** 132(6):700–1, 15 Nov 78

A morphological study of the endocrine pancreas in human pregnancy. Van Assche FA, et al. **Br J Obstet Gynaecol** 85(11):818–20, Nov 78

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

PREVENTION & CONTROL

[Current trends in the treatment of trophoblastic tumors] Giardina G, et al. **Minerva Ginecol** 30(10):893–6, Oct 78 **(Ita)**

RADIOTHERAPY

Radiation therapy for germinal tumors of the testes. Slawson RG. **Cancer** 42(5):2216–23, Nov 78

HYDATIDIFORM MOLE

BLOOD

Patient with partial mole requiring chemotherapy [letter] Szulman AE, et al. **Lancet** 2(8099):1099, 18 Nov 78

COMPLICATIONS

A pregnancy with a hydatidiform mole, thyreotoxicosis and live-born infant. Ladehoff P, et al. **Acta Obstet Gynecol Scand** 57(5):477–8, 1978

Cyclopia associated with triploidy and hydatidiform mole: a case report. Deligdisch L, et al. **Teratology** 18(2):257–61, Oct 78

DIAGNOSIS

A clinical report—a case of a failed abortion. Barchilon J. **Med Trial Tech Q** 24(3):257–89, Winter 78

Southern Regional Trophoblastic Disease Center, 1972—1977. Hatch KD, et al. **South Med J** 71(11):1334–6, 1340, Nov 78

[Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Honda T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1125–50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Southern Regional Trophoblastic Disease Center, 1972—1977. Hatch KD, et al. **South Med J** 71(11):1334–6, 1340, Nov 78

ETIOLOGY

Hydatidiform mole as a complication of artificial insemination. Stone SC. **Am J Obstet Gynecol** 132(6):696–7, 15 Nov 78

FAMILIAL & GENETIC

Cyclopia associated with triploidy and hydatidiform mole: a case report. Deligdisch L, et al. **Teratology** 18(2):257–61, Oct 78

Cell ploidy in molar placental disease. Poland BJ, et al. **Teratology** 18(2):253–6, Oct 78

IMMUNOLOGY

HLA and trophoblastic tumours. Lawler SD. **Br Med Bull** 34(3):305–8, Sep 78 (16 ref.)

PATHOLOGY

Prognostic value of histological grading of hydatidiform moles. Junaid TA, et al. **Afr J Med Med Sci** 7(2):99–105, Jun 78

PHYSIOPATHOLOGY

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

THERAPY

Patient with partial mole requiring chemotherapy [letter] Szulman AE, et al. **Lancet** 2(8099):1099, 18 Nov 78

PLACENTA DISORDERS

COMPLICATIONS

IgG deficiency in association with placental oedema. Bryan EM. **Early Hum Dev** 1(2):133–43, Oct 77

Chorioangioma of the placenta and intrauterine growth failure. King CR, et al. **J Pediatr** 93(6):1027–8, Dec 78

Microangiopathic hemolytic anemia and thrombocytopenia in a neonate associated with a large placental chorioangioma. Bauer CR, et al. **Pediatrics** 62(4):574–7, Oct 78

Clinical and environmental determinants of fetal growth. Thomson AM. **Postgrad Med J** 54 Suppl 1:43–50, 1978

Functional aspects of placental maturation in twin pregnancies. Bender HG, et al. **Prog Clin Biol Res** 24 Pt C:147–50, 1978

DIAGNOSIS

Ballantyne's triple edema syndrome: prenatal diagnosis with ultrasound and maternal renal biopsy findings. Quagliarello JR, et al. **Am J Obstet Gynecol** 132(5):580–1, 1 Nov 78

Intramural pregnancy with uterine rupture: a case report. Cava EF, et al. **Trans Pac Coast Obstet Gynecol Soc** 45:127–9, 1978

[Utrasonic B-scan diagnosis in connection with normal prenatal care] Meinel K, et al. **Zentralbl Gynaekol** 100(16):1038–43, 1978 (Eng. Abstr.) **(Ger)**

[Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Honda T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1125-50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

[The effects of heparin in underdevelopment of the fetus due to maternal vascular conditions (author's transl)] Chupin L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):849-54, May-Jun 78 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Effects of maternal cigarette smoking on the fetus and placenta. Naeye RL. **Br J Obstet Gynaecol** 85(10):732-7, Oct 78

IMMUNOLOGY

Suppression of Rh isoimmunization. A review. Bowman JM. **Obstet Gynecol** 52(4):385-93, Oct 78

OCCURRENCE

Incidence of some diseases in connection with parturition in dairy cows. Roine K, et al. **Acta Vet Scand** 19(3):341-53, 1978

PATHOLOGY

Effects of maternal cigarette smoking on the fetus and placenta. Naeye RL. **Br J Obstet Gynaecol** 85(10):732-7, Oct 78

Microangiopathic hemolytic anemia and thrombocytopenia in a neonate associated with a large placental chorioangioma. Bauer CR, et al. **Pediatrics** 62(4):574-7, Oct 78

[Cysts in the villous stroma of the placenta in maternal diabetes mellitus (author's transl)] Emmrich P, et al. **Zentralbl Allg Pathol** 122(4):370-5, 1978 (Eng. Abstr.) **(Ger)**

[Disseminated intravascular coagulation syndrome and the severe forms of late pregnancy toxicoses] Makatsaria AD, et al. **Akush Ginekol (Mosk)** (11):5-8, Nov 78 (42 ref.) **(Rus)**

[Experimental inflammation of placenta in sheep] Mashak SV, et al. **Arkh Anat Gistol Embriol** 75(10):79-81, Oct 78 (Eng. Abstr.) **(Rus)**

VETERINARY

Incidence of some diseases in connection with parturition in dairy cows. Roine K, et al. **Acta Vet Scand** 19(3):341-53, 1978

TROPHOBLASTIC TUMOR

Southern Regional Trophoblastic Disease Center, 1972--1977. Hatch KD, et al. **South Med J** 71(11):1334-6, 1340, Nov 78

DIAGNOSIS

Southern Regional Trophoblastic Disease Center, 1972--1977. Hatch KD, et al. **South Med J** 71(11):1334-6, 1340, Nov 78

DRUG THERAPY

Southern Regional Trophoblastic Disease Center, 1972--1977. Hatch KD, et al. **South Med J** 71(11):1334-6, 1340, Nov 78

[Current trends in the treatment of trophoblastic tumors] Giardina G, et al. **Minerva Ginecol** 30(10):893-6, Oct 78 **(Ita)**

FAMILIAL & GENETIC

HLA and trophoblastic tumours. Lawler SD. **Br Med Bull** 34(3):305-8, Sep 78 (16 ref.)

IMMUNOLOGY

HLA and trophoblastic tumours. Lawler SD. **Br Med Bull** 34(3):305-8, Sep 78 (16 ref.)

PLACENTA

III. *Placenta Hormones, Precursors, Metabolites and Synthetic Analogs*

GONADOTROPINS, CHORIONIC

Isolation and characterization of N- and O- glycosidic carbohydrate units of human chorionic gonadotropin. Bahl OP, et al. **Biochem Biophys Res Commun** 84(3):667–76, 16 Oct 78

Estradiol-induced synthesis of vitellogenin. IV. The isolation of non-degraded polysomes from avian liver using an endogenous ribonuclease inhibitor. Dijkstra J, et al. **Biochim Biophys Acta** 521(1):363–73, 21 Nov 78

Acylation of amino groups in human chorionic gonadotropin with acid anhydrides. Mori KF, et al. **Mol Cell Endocrinol** 11(3):285–92, Sep 78

ADMINISTRATION & DOSAGE

Therapeutic regimens and monitoring techniques for human menopausal gonadotropin administration. March CM. **J Reprod Med** 21(3 Suppl):198–204, Sep 78

ADVERSE EFFECTS

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

Complications of gonadotropin therapy. March CM. **J Reprod Med** 21(3 Suppl):208–11, Sep 78

ANALYSIS

Carcinoembryonic antigen and other tumor markers in tissue and serum or plasma of patients with primary mammary carcinoma. Wahren B, et al. **Cancer** 42(4):1870–8, Oct 78

Immunohistochemical demonstration of several tumour markers in neoplastic and preneoplastic states of the uterine mucosa. Hustin J. **Gynecol Obstet Invest** 9(1):3–15, 1978

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

[125I]protein A: a tracer for general use in immunoassay. Langone JJ. **J Immunol Methods** 24(3–4):269–85, 1978

Parallel competitive binding and metabolic endpoint assays for hCG based on rabbit granulosa cells. Boggis J, et al. **J Reprod Fertil** 54(1):127–31, Sep 78

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

[Significance of the contemporary determination of tumor associated antigens in patients with various types of neoplasms of the genital tract] Sacco F, et al. **Minerva Ginecol** 30(10):811–6, Oct 78 (Eng. Abstr.) **(Ita)**

[Development of a gonadotropin bioassay system using isolated Leydig cells] Shimizu S, et al. **Horumon To Rinsho** 26(11):1136–43, Nov 78 **(Jpn)**

ANTAGONISTS & INHIBITORS

Patient with partial mole requiring chemotherapy [letter] Szulman AE, et al. **Lancet** 2(8099):1099, 18 Nov 78

BIOSYNTHESIS

Ectopic production of human chorionic gonadotropin in malignant tumors. Hattori M, et al. **Cancer** 42(5):2328–33, Nov 78

Regulation of the synthesis of human chorionic gonadotropin by strains of HeLa cells in culture. Chou JY. **In Vitro** 14(9):775–8, Sep 78

Ultrastructural concomitants of sodium butyrate-enhanced ectopic production of chorionic gonadotropin and its alpha subunit human bronchogenic carcinoma (ChaGo) cells. Tralka TS, et al. **JNCI** 62(1):45–61, Jan 79

BLOOD

Ectopic production of human chorionic gonadotropin in malignant tumors. Hattori M, et al. **Cancer** 42(5):2328–33, Nov 78

Serum alpha-fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Schultz H, et al. **Cancer** 42(5):2182–6, Nov 78

Clinical correlation between CEA and breast cancer. Tormey DC, et al. **Cancer** 42(3 Suppl):1507–11, Sep 78

Carcinoembryonic antigen and other tumor markers in tissue and serum or plasma of patients with primary mammary carcinoma. Wahren B, et al. **Cancer** 42(4):1870–8, Oct 78

Preliminary clinical observations of luteinizing hormone-releasing hormone stimulation test. Chu HH, et al. **Chin Med J [Engl]** 4(5):343–8, Sep 78

Further comments on estimating choriogonadotropin in serum [letter] McBride JH, et al. **Clin Chem** 24(12):2207, Dec 78

Modification of the choriogonadotropin beta-subunit radioimmunoassay for determination of urinary choriogonadotropin. McCready J, et al. **Clin Chem** 24(11):1958–61, Nov 78

Actions of salbutamol in late pregnancy. Serum levels of human chorionic gonadotrophin, human placental lactogen, total oestriol and progesterone in diabetic and non-diabetic women during infusion of salbutamol. Carlström K, et al. **Horm Metab Res** 10(5):434–8, Sep 78

Biochemical parameters for surveillance of high-risk pregnancies. Goebel R. **Horm Res** 9(6):339–64, 1978

Radioimmunoassay of protein hormones: principles and methodology. Reuter AM, et al. **Horm Res** 9(6):404–21, 1978

Clinical use of A.F.P. and H.C.G. in testicular tumours of germ-cell origin [letter] **Lancet** 2(8098):1042, 11 Nov 78

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

Southern Regional Trophoblastic Disease Center, 1972—1977. Hatch KD, et al. **South Med J** 71(11):1334–6, 1340, Nov 78

[Investigations on pituitary-testes axis in males with chronic liver diseases (author's transl)] Geisthövel W, et al. **Klin Wochenschr** 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**

[Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Honda T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1125–50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701–9, Dec 78

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365–78, 1978

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133–42, 1978

[Comments on the diagnosis of tubal pregnancy (author's transl)] Grünberger W, et al. **Geburtshilfe Frauenheilkd** 38(11):943–5, Nov 78 (Eng. Abstr.) **(Ger)**

[Testosterone serum concentrations after subcapsular orchiectomy (author's transl)] Senge T, et al. **Urologe [A]** 17(6):382–4, Nov 78 (Eng. Abstr.) **(Ger)**

[Etiology of gonadal dysfunction in pituitary insufficiency—with special reference to an hCG test for the evaluation of reserve testicular secretory function] Matsuura M, et al. **Horumon To Rinsho** 26(11):1110–5, Nov 78 **(Jpn)**

IMMUNOLOGY

On the contraceptive action of anti-HCG antibodies in the rat in early pregnancy. Corbino N. **Acta Eur Fertil** 9(2):121–7, Jun 78 **(Eng, Ita)**

Evaluating the safety and efficacy of placental antigen vaccines for fertility regulation. **Clin Exp Immunol** 33(2):360–75, Aug 78

Effect of conformation of hCG-beta on generation of hCG-specific antibody. Lerario AC, et al. **Endocr Res Commun** 5(1):43–55, 1978

H.C.G. and trophoblast antigenicity [letter] Whyte A. **Lancet** 2(8097):1003, 4 Nov 78

[Value of the serological Gravindex test in the diagnosis of a chronic form of ectopic fallopian tube pregnancy] Peterek J, et al. **Wiad Lek** 31(18):1269–71, 15 Sep 78 (Eng. Abstr.) **(Pol)**

METABOLISM

Gonadotropin receptors in human corpora lutea of term pregnancies. Rao CV, et al. **Am J Obstet Gynecol** 132(5):581–3, 1 Nov 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin–stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Oocyte–follicle cell gap junctions in Xenopus laevis and the effects of gonadotropin on their permeability. Browne CL, et al. **Science** 203(4376):182–3, 12 Jan 79

PHARMACODYNAMICS

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Seminal vesicles and its importance in the regulation of male fertility. Chatterjee A, et al. **Andrologia** 10(4):321–4, Jul–Aug 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues. Amsterdam A, et al. **Biochim Biophys Acta** 544(2):273–83, 1 Dec 78

Modulation of, adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin–stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Effects of oxytocin antiserum and of indomethacin on hCG–induced ovulation in the rabbit. Roca RA, et al. **Biol Reprod** 19(3):552–7, Oct 78

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

Effect of hormones on lipolysis during the neonatal period. Melichar V, et al. **Czech Med** 1(4):223–8, 1978

Gonadotropin induced stimulation and desensitization of cyclic 3', 5' –adenosine monophosphate dependent protein kinase(s) in the rat ovary. Azhar S, et al. **Endocr Res Commun** 5(1):1–19, 1978

Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Farber M, et al. **Fertil Steril** 30(3):283–8, Sep 78

Interceptive activity of azastene in rhesus monkeys. Schane HP, et al. **Fertil Steril** 30(3):343–7, Sep 78

Ovarian and behavioral cyclicity of the laboratory maintained cat. Wildt DE, et al. **Horm Behav** 10(3):251–7, Jun 78

Hormonal activation of protein kinase in isolated Leydig cells. Electrophoretic analysis of cyclic AMP receptors. Podesta EJ, et al. **J Biol Chem** 253(24):8994–9001, 25 Dec 78

Nonspecific signals for B–cell localization and activation. Franklin RM, et al. **J Exp Med** 148(6):1705–10, 1 Dec 78

Hormone production by the intact human corpus luteum in vitro. Biggs JS, et al. **J Reprod Fertil** 54(2):221–5, Nov 78

A stimulatory effect of the fluid from preimplantation rabbit blastocysts upon luteinization of monkey granulosa cell cultures. Channing CP, et al. **J Reprod Fertil** 54(2):215–20, Nov 78

In vitro synthesis of progesterone and prostaglandin F by luteal tissue and prostaglandin F by endometrial tissue from the pig. Guthrie HD, et al. **Prostaglandins** 16(3):433–40, Sep 78

Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Triebwasser WF, et al. **Prostaglandins** 16(4):621–32, Oct 78

Oocyte–follicle cell gap junctions in Xenopus laevis and the effects of gonadotropin on their permeability. Browne CL, et al. **Science** 203(4376):182–3, 12 Jan 79

Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra–luteal secretion and effect of chorionic gonadotropin. Williams RF, et al. **Steroids** 32(4):539–45, Nov 78

[Neopergonal treatment in male hypogonadotropic hypogonadism (author's transl)] Mattei A, et al. **Sem Hop Paris** 54(25–28):875–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Effect of choriogonadotropin on the ovaries and uterus of infantile rats following treatment of the amygdaloid nuclei] Katerenchuk IP. **Probl Endokrinol (Mosk)** 24(6):78–82, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep–Oct 78 **(Ukr)**

SECRETION

Concanavalin–A stimulates human chorionic gonadotropin (hCG) and hCG–alpha secretion by human choriocarcinoma cells. Benveniste R, et al. **Biochem Biophys Res Commun** 84(4):1082–7, 30 Oct 78

The effect of luteinizing hormone–releasing factor on human chorionic gonadotropin secretion. Khodr G, et al. **Fertil Steril** 30(3):301–4, Sep 78

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

THERAPEUTIC USE

Maintenance of spermatogenesis induced by HMG treatment by means of continuous HCG treatment in hypogonadotrophic men. Johnsen SG. **Acta Endocrinol (Copenh)** 89(4):763–9, Dec 78

Nonsurgical treatment of impotence. Larengood RW. **Ann Plast Surg** 1(2):239–40, Mar 78

Current concepts in evaluation of the infertile male. Rifka SM, et al. **Clin Obstet Gynaecol** 5(2):481–97, Aug 78 (69 ref.)

Pharmacological treatment of obesity. Sullivan AC, et al. **Int J Obes** 2(2):167–89, 1978

Experience with the induction of ovulation. Gemzell CA. **J Reprod Med** 21(3 Suppl):205–7, Sep 78

Circulating pituitary–gonadal hormones in clomiphene–induced cycles. Dawood MY, et al. **Obstet Gynecol** 52(4):445–50, Oct 78

[Neopergonal treatment in male hypogonadotropic hypogonadism (author's transl)] Mattei A, et al. **Sem Hop Paris** 54(25–28):875–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**

[Selection criteria for the treatment with HMG + HCG in sterile patients (author's transl)] Portuondo JA, et al. **Rev Esp Obstet Ginecol** 37(238):354–61, Jul–Aug 78 **(Spa)**

[Effect of various plans of therapy of dysfunctional uterine hemorrhages on the state of the hypophysis and ovaries in women of reproductive age] Krepkaia VK. **Pediatr Akush Ginekol** (5):47–9, Sep–Oct 78 **(Ukr)**

URINE

Early detection of human chorionic gonadotropin in urine by simple immunoassays. Lau HL, et al. **Am J Obstet Gynecol** 132(6):691–3, 15 Nov 78

Serum alpha–fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Schultz H, et al. **Cancer** 42(5):2182–6, Nov 78

Modification of the choriogonadotropin beta–subunit radioimmunoassay for determination of urinary choriogonadotropin. McCready J, et al. **Clin Chem** 24(11):1958–61, Nov 78

A sensitive hemagglutination assay of human chorionic gonadotropin in the diagnosis of ectopic pregnancy. Hutchins CJ. **Obstet Gynecol** 52(4):499–502, Oct 78

GONADOTROPINS, EQUINE

BIOSYNTHESIS

[Implantation, fetal development and PMSG production in twin mares after mating with their chimeric twin brother] Bouters R, et al. **Verh K Acad Geneeskd Belg** 40(4):253–68, 1978 (Eng. Abstr.) **(Dut)**

PHARMACODYNAMICS

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin–stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Pregnant mare's serum gonadotropin: V. Indomethacin or

cortisone and the reversal of antifertility efficacy of pregnant mare's serum gonadotropin. Gupta T, et al. **Contraception** 17(6):547–52, Jun 78

Puberty-related alterations in the organization of sleep--wakefulness states: differences between spontaneous and induced pubertal conditions. Sieck GC, et al. **Exp Neurol** 61(2):407–20, 1 Sep 78

CNS stimulation effect on the sexual maturation of the female rat. Okonmah AD, et al. **Experientia** 34(9):1238–9, 15 Sep 78

The action of ethidium bromide and chloramphenicol on the steroidogenesis induced by gonadotrophic hormones in the ovaries of amphibia and mammals. Shmerling ZG, et al. **Gen Comp Endocrinol** 35(4):355–9, Aug 78

Evidence for pleiomorphism of luteinizing hormone in peripubertal female rats. ter Haar MB, et al. **J Endocrinol** 79(1):133–4, Oct 78

Studies on oocyte maturation of the medaka, Oryzias latipes. VI. Relationship between the circadian cycle of oocyte maturation and activity of the pituitary gland. Iwamatsu T. **J Exp Zool** 206(3):355–63, Dec 78

A stimulatory effect of the fluid from preimplantation rabbit blastocysts upon luteinization of monkey granulosa cell cultures. Channing CP, et al. **J Reprod Fertil** 54(2):215–20, Nov 78

Role of FSH in regulating granulosa cell division and follicular atresia in rats. Peluso JJ, et al. **J Reprod Fertil** 54(2):275–8, Nov 78

In vitro synthesis of progesterone and prostaglandin F by luteal tissue and prostaglandin F by endometrial tissue from the pig. Guthrie HD, et al. **Prostaglandins** 16(3):433–40, Sep 78

PLACENTAL HORMONES

BIOSYNTHESIS

[Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Ikeda I. **Nippon Naibunpi Gakkai Zasshi** 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

BLOOD

The plasma half-life of placental hormones. Klopper A, et al. **Br J Obstet Gynaecol** 85(10):738–47, Oct 78

METABOLISM

Surgery in a gravid patient. Sexton J, et al. **J Oral Surg** 36(11):878–86, Nov 78

PHARMACODYNAMICS

Effect of polypeptide hormones on stimulation of casein secretion by mouse mammary epithelial cells grown on floating collagen gels. Katiyar VN, et al. **In Vitro** 14(9):771–4, Sep 78

PHYSIOLOGY

[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep–Oct 78 **(Ukr)**

PLACENTAL LACTOGEN

Isolation and properties of two fragments from plasmin digests of human choriomammotropin. Li CH, et al. **Int J Pept Protein Res** 12(2):114–20, Aug 78

Immunoreactivity and receptor binding of mixed recombinants of human growth hormone and chorionic somatomammotropin. Burstein S, et al. **Proc Natl Acad Sci USA** 75(11):5391–4, Nov 78

ANALYSIS

The management of high risk pregnancy. Anuman-Rajadhon Y, et al. **J Med Assoc Thai** 61(10):576–85, Oct 78

New vistas in histopathology [letter] Gau GS, et al. **Lancet** 2(8099):1105, 18 Nov 78

Immunoperoxidase technique in routine histopathology [letter] Heyderman E, et al. **Lancet** 2(8104–5):1382, 23–30 Dec 78

[The effects of heparin in underdevelopment of the fetus due to maternal vascular conditions (author's transl)] Chupin L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(4):849–54, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Testicular neoplasms: New endocrinologic and clinical results] Jacobi GH. **Urologe [A]** 17(6):399–401, Nov 78 **(Ger)**

[Radioimmunological determination of prolactin and hormonal correlations in pregnancy at term and in the puerperium] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):23–36, Jan–Jun 76 (Eng. Abstr.) **(Ita)**

[Significance of the contemporary determination of tumor associated antigens in patients with various types of neoplasms of the genital tract] Sacco F, et al. **Minerva Ginecol** 30(10):811–6, Oct 78 (Eng. Abstr.) **(Ita)**

BLOOD

Somatomedin in newborns and the relationship to human chorionic somatotropin and fetal growth. Kastrup KW, et al. **Acta Paediatr Scand** 67(6):757–62, Nov 78

The effect of low haematocrit on serum human placental lactogen values. Agboola A. **Br J Obstet Gynaecol** 85(10):758–60, Oct 78

The plasma half-life of placental hormones. Klopper A, et al. **Br J Obstet Gynaecol** 85(10):738–47, Oct 78

Actions of salbutamol in late pregnancy. Serum levels of human chorionic gonadotrophin, human placental lactogen, total oestriol and progesterone in diabetic and non-diabetic women during infusion of salbutamol. Carlström K, et al. **Horm Metab Res** 10(5):434–8, Sep 78

Biochemical parameters for surveillance of high-risk pregnancies. Goebel R. **Horm Res** 9(6):339–64, 1978

Serum HPL in normal and high risk pregnancy by haemagglutination inhibition test. Vakharia DD, et al. **Indian J Med Res** 68:272–8, Aug 78

Methodological validation of HCS, estriol, estradiol and progesterone radioimmunoassay in pregnancy. Giannessi D, et al. **J Nucl Med Allied Sci** 22(2):71–8, Apr–Jun 78

Sequential determination of serum human placental lactogen, estriol, and estetrol for assessment of fetal morbidity. Kundu N, et al. **Obstet Gynecol** 52(5):513–20, Nov 78

Screening for twin pregnancy detection. Aberg A, et al. **Prog Clin Biol Res** 24 Pt C:113–6, 1978

Effects of extensive population screening on the outcome of twin pregnancies. Grennert L, et al. **Prog Clin Biol Res** 24 Pt C:109–11, 1978

HPL measurements: relationships with maternal weight gain in twin pregnancy. Schneider L, et al. **Prog Clin Biol Res** 24 Pt C:123–8, 1978

[Relationships between the HPL determination in maternal serum and the condition of the associated placental villous trophoblast] Ruckhäberle KE, et al. **Zentralbl Gynaekol** 100(19):1245–53, 1978 (Eng. Abstr.) **(Ger)**

[Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Honda T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1125–50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[A new method for the determination of serum human placental lactogen (HPL) by single radial immunodiffusion (author's transl)] Yamaguchi H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1281–9, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Antepartum recordings with a cardiotocograph] Lunde O. **Tidsskr Nor Laegeforen** 98(30):1514–6, 30 Oct 78 (Eng. Abstr.) **(Nor)**

[Criteria for the diagnosis, management and treatment of intrauterine growth retardation] Pommier M. **Ginecol Obstet Mex** 44(264):335–45, Oct 78 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Isolation and properties of two fragments from plasmin digests of human choriomammotropin. Li CH, et al. **Int J Pept Protein Res** 12(2):114–20, Aug 78

METABOLISM

Effect of bromocriptin on the endocrine system and fetal development. Del Pozo E, et al. **Clin Endocrinol (Oxf)** 6 Suppl:47S–55S, 1977

PHYSIOLOGY

[Chorionic thyrotropin] Wasylewski A, et al. **Ginekol Pol** 49(11):1019–22, Nov 78 (Eng. Abstr.) **(Pol)**

[Role of the fetoplacental complex hormones in the development of pregnancy and labor] Timoshenko LV, et al. **Pediatr Akush Ginekol** (5):33–8, Sep–Oct 78 **(Ukr)**

SECRETION

The effect of luteinizing hormone-releasing factor on human chorionic gonadotropin secretion. Khodr G, et al. **Fertil Steril** 30(3):301–4, Sep 78

SOMATOMAMMOTROPIN

Immounactivity and receptor binding of mixed recombinants of human growth hormone and chorionic somatomammotropin. Burstein S, et al. Proc Natl Acad Sci USA 75(11):5391–4, Nov 78

PARATHYROID AND BONE

I. Physical and Functional Aspects

PARATHYROID GLANDS

The effect of PTE infusion in hypomagnesemic states. Díaz Curiel M, et al. **Adv Exp Med Biol** 103:273–81, 1978

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78

Long-term maintenance of responsive human parathyroid tissue in organ culture. Derenoncourt FJ, et al. **Surg Forum** 28:107–9, 1977

ANATOMY & HISTOLOGY

Incidental parathyroidectomy during thyroid surgery. Croyle PH, et al. **Am Surg** 44(9):559–63, Sep 78

BLOOD SUPPLY

Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Reyes HM, et al. **Surg Gynecol Obstet** 148(1):76–8, Jan 79

CYTOLOGY

Estimation of parenchymal cell content of human parathyroid glands using the image analyzing computer technique. Grimelius L, et al. **Am J Pathol** 93(3):793–800, Dec 78

[Parathyroid tissue of a child] Matsuo N, et al. **Horumon To Rinsho** 26(11):1163–6, Nov 78 **(Jpn)**

DRUG EFFECTS

Calcium-induced modulation of the tubulin pool in parathyroid glands. Bader CA, et al. **Adv Exp Med Biol** 103:519–28, 1978

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

Urinary phosphate and cyclic AMP excretion following citrate-induced hypocalcemic stimulation of the neonatal parathyroid glands. Brown DR, et al. **J Pediatr** 93(5):842–6, Nov 78

Effect of ethanol on parathryroid hormone and calcitonin secretion in man. Williams GA, et al. **Proc Soc Exp Biol Med** 159(2):187–91, Nov 78

INJURIES

Incidental parathyroidectomy during thyroid surgery. Croyle PH, et al. **Am Surg** 44(9):559–63, Sep 78

METABOLISM

Calcium-induced modulation of the tubulin pool in parathyroid glands. Bader CA, et al. **Adv Exp Med Biol** 103:519–28, 1978

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78

PATHOLOGY

Parathyroid identification by methylene blue infusion. Bambach CP, et al. **Aust NZ J Surg** 48(3):314–7, Jun 78

Twenty years' experience with parathyroid exploration. Freidin J. **Aust NZ J Surg** 48(3):261–9, Jun 78

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

[Experience of 100 neck explorations for hyperparathyroidism. Anatomo-clinic correlation (author's transl)] Proye C. **Ann Chir** 32(5–6):265–71, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Morphological aspects of parathyroid gland transplantation. Contribution on the clinical relevance of induced, invasive tissue growth] Klempa I, et al. **Chirurg** 49(11):704–10, Nov 78 (Eng. Abstr.) **(Ger)**

[Histopathologic study of the parathyroid glands in 110 routine necropsies (author's transl)] Ojeda Casas VJ. **Rev Med Chil** 106(9):686–94, Sep 78 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Renal tubular transport of calcium: update. Agus ZS. **Adv Exp Med Biol** 103:37–49, 1978 (28 ref.)

Regulation of the tubular transport of phosphate in the rat: role of parathyroid hormone and 1,25-dihydroxyvitamin D3. Bonjour JP, et al. **Adv Exp Med Biol** 103:97–103, 1978

Outflux of 45calcium along the rat nephron. Greger R, et al. **Adv Exp Med Biol** 103:125–8, 1978 (19 ref.)

Factors involved in the altered phosphate reabsorption during phosphate loading in thyroparathyroidectomized rats. Lang F, et al. **Adv Exp Med Biol** 103:81–6, 1978

The intestinal phosphate transport under condition of experimental hypercalcemia. Lorenc RS, et al. **Adv Exp Med Biol** 103:161–9, 1978

Has vitamin D a direct renal effect on the tubular reabsorption of phosphate? A study in parathyroidectomized (PTX) and non-PTX man. Madsen S, et al. **Adv Exp Med Biol** 103:111–23, 1978

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

Effect of phosphorus depletion on the renal transport of phosphate. Steele TH. **Adv Exp Med Biol** 103:343–55, 1978 (27 ref.)

Renal tubular phosphate reabsorption in the phosphate depleted dog. Sutton RA, et al. **Adv Exp Med Biol** 103:405–12, 1978

Mechanisms of cellular phosphate transport in rat kidney proximal tubule. Ullrich KJ. **Adv Exp Med Biol** 103:21–35, 1978 (24 ref.)

Effect of volume expansion on phosphate transport in uremic dogs. Wen SF, et al. **Adv Exp Med Biol** 103:87–9, 1978

Uncoupling of proximal sodium bicarbonate from sodium phosphate transport by bumetanide. Puschett JB, et al. **Am J Physiol** 235(5):F403–8, Nov 78

Effect of vitamin D metabolites on calcium and phosphate metabolism. Fleisch H, et al. **Contrib Nephrol** 13:96–103, 1978

The clinical pathophysiology of magnesium. Massry SG. **Contrib Nephrol** 14:64–73, 1978

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al. **Endocr Res Commun** 5(2):135–59, 1978

Studies on the hormonal control of circadian outer segment disc shedding in the rat retina. LaVail MM, et al. **Invest Ophthalmol Vis Sci** 17(12):1189–3, Dec 78

Interaction of the parathyroid and 1,25-dihydroxyvitamin D3 in the control of renal 25-hydroxyvitamin D3 metabolism. Omdahl JL. **J Biol Chem** 253(23):8474–8, 10 Dec 78

Effect of low phosphorus diets on intestinal calcium absorption and the concentration of calcium-binding protein in intact and parathyroidectomized pigs. Fox J, et al. **J Endocrinol** 78(3):379–87, Sep 78

Evidence for the promotion of bone mineralization by 1alpha,25-dihydroxycholecalciferol in the rat unrelated to

the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec 78

Renal response to phosphorus deprivation in the isolated rat kidney. Steele TH, et al. **Kidney Int** 13(2):124–8, Feb 78

Maximal reabsorptive capacity for inorganic phosphate (TmPi) in the absence of parathyroid hormone in the rat: decrease of the TmPi during prolonged administration of phosphate and the role of calcium. Frick A, et al. **Pfluegers Arch** 377(1):9–14, 18 Oct 78

Phosphate transport in the proximal convolution of the rat kidney. III. Effect of extracellular and intracellular pH. Ullrich KJ, et al. **Pfluegers Arch** 377(1):33–42, 18 Oct 78

PHYSIOPATHOLOGY

Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978

[Primary hyperparathyroidism and nephrolithiasis] Tiktinskiĭ OL. **Sov Med** (10):99–104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Hypoparathyroidism with edema of the optic nerve papilla developed after treatment of thyrotoxicosis with radioactive iodine] Zefirova GS, et al. **Ter Arkh** 50(11):66–7, 1978 (Eng. Abstr.) **(Rus)**

SECRETION

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Effect of ethanol on parathyroid hormone and calcitonin secretion in man. Williams GA, et al. **Proc Soc Exp Biol Med** 159(2):187–91, Nov 78

Long-term maintenance of responsive human parathyroid tissue in organ culture. Derenoncourt FJ, et al. **Surg Forum** 28:107–9, 1977

SURGERY

Incidental parathyroidectomy during thyroid surgery. Croyle PH, et al. **Am Surg** 44(9):559–63, Sep 78

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78

Anemia and secondary hyperparathyroidism. Zingraff J, et al. **Arch Intern Med** 138(11):1650–2, Nov 78

Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78

Acute effects of salmon calcitonin on renal electrolyte excretion in intact, thyroparathyroidectomized and sulfacetylthiazole-induced uremic rats. Kawamura J, et al. **Nephron** 21(6):334–44, 1978

Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957–66, Oct 78

Autonomous hyperparathyroidism: documentation of results of parathyroidectomy by hand radiographs. Ford K, et al. **Tex Med** 74(10):50–1, Oct 78

[Experience of 100 neck explorations for hyperparathyroidism. Anatomo-clinic correlation (author's transl)] Proye C. **Ann Chir** 32(5–6):265–71, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Morphological aspects of parathyroid gland transplantation. Contribution on the clinical relevance of induced, invasive tissue growth] Klempa I, et al. **Chirurg** 49(11):704–10, Nov 78 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

[Morphological aspects of parathyroid gland transplantation. Contribution on the clinical relevance of induced, invasive tissue growth] Klempa I, et al. **Chirurg** 49(11):704–10, Nov 78 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Calcium-induced modulation of the tubulin pool in parathyroid glands. Bader CA, et al. **Adv Exp Med Biol** 103:519–28, 1978

PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

DIGEORGE SYNDROME

DIAGNOSIS

[Nezelof's syndrome and multiple abnormalities in a 7-month-old girl] Korniszewski L, et al. **Pediatr Pol** 53(10):1219–23, Oct 78 **(Pol)**

IMMUNOLOGY

Subpopulations of human T lymphocytes. V. T lymphocytes with receptors for immunoglobulin M or G in patients with primary immunodeficiency disorders. Gupta S, et al. **Clin Immunol Immunopathol** 11(3):292–302, Nov 78

[Current data on congenital lymphocytic immune deficiencies] Griscelli C. **Brux Med** 58(10):511–23, Oct 78 **(Fre)**

[Disturbances of T-cell system and thymic abnormality (author's transl)] Yata J, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 16(9):678–82, Sep 78 (Eng. Abstr.) **(Jpn)**

[Thymus implant in a case of DiGeorge syndrome (author's transl)] Cruz García Rodríguez M, et al. **An Esp Pediatr** 11(11):771–6, Nov 78 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Nezelof's syndrome and multiple abnormalities in a 7-month-old girl] Korniszewski L, et al. **Pediatr Pol** 53(10):1219–23, Oct 78 **(Pol)**

SURGERY

[Thymus implant in a case of DiGeorge syndrome (author's transl)] Cruz García Rodríguez M, et al. **An Esp Pediatr** 11(11):771–6, Nov 78 (Eng. Abstr.) **(Spa)**

HYPERPARATHYROIDISM

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78

Hypercalcemia associated with parathyroid hyperfunction and malignancy. Lima JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 31(2):200–4, Fall 78

[Hyperparathyroidism] Fujimoto Y. **Nippon Rinsho** 36(10):3359–62, Oct 78 **(Jpn)**

BLOOD

Serum ionized calcium and corrected total calcium in borderline hyperparathyroidism. Larsson L, et al. **Clin Chem** 24(11):1962–5, Nov 78

Preliminary studies with the sensitive cytochemical assay for parathyroid hormone. Fenton S, et al. **Clin Endocrinol (Oxf)** 9(4):381–4, Oct 78

Glucose-induced insulin secretion in patients with parathyroid disorders. Hague RV, et al. **Clin Endocrinol (Oxf)** 9(3):283–8, Sep 78

Hypercalcemic crisis in primary hyperparathyroidism. Irvin GL 3d, et al. **J Fla Med Assoc** 65(11):883–6, Nov 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Immunoreactive parathyroid hormone in samples from thyroid veins (author's transl)] Offermann G, et al. **Klin Wochenschr** 56(20):1007–12, 15 Oct 78 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Calcitonin, parathyroid hormone and insulin concentrations in sera from patients with gastrinoma. Cecchettin M, et al. **Adv Exp Med Biol** 106:117–9, 1978

Unilateral exophthalmos: an unusual presentation of primary hyperparathyroidism. Block MB, et al. **Ariz Med** 35(12):785–6, Dec 78

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

Primary hyperparathyroidism and stone formation in medullary sponge kidneys. Tiktinsky OL, et al. **Eur Urol** 4(5):330–3, 1978

Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome. Sann L, et al. **Helv Paediatr Acta** 33(3):299–310, Aug 78

Hypercalcemic crisis in primary hyperparathyroidism. Irvin GL 3d, et al. **J Fla Med Assoc** 65(11):883–6, Nov 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

Oral calcium tolerance and urinary cyclic AMP in urolithiasis. Nelson JH 3d, et al. **Urology** 12(5):519–24, Nov 78

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Primary hyperparathyroidism: study of 21 cases in the region of Eastern districts] Frenette L, et al. **Union Med Can** 107(12):1173–8, Dec 78 **(Fre)**

[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. I. Bones and hematopoiesis, hematopoiesis and kidney—effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273–6, 1 Dec 78 **(Ger)**

[Successful gastric ulcer treatment of a patient with primary hyperparathyroidism with cimetidine (author's transl)] Simon B, et al. **Med Klin** 73(43):1513–6, 27 Oct 78 (Eng. Abstr.) **(Ger)**

[Malignant tumors] Tanaka M, et al. **Nippon Rinsho** 36(10):3426–30, Oct 78 (38 ref.) **(Jpn)**

DIAGNOSIS

Unilateral exophthalmos: an unusual presentation of primary hyperparathyroidism. Block MB, et al. **Ariz Med** 35(12):785–6, Dec 78

Twenty years' experience with parathyroid exploration. Freidin J. **Aust NZ J Surg** 48(3):261–9, Jun 78

Simultaneous measurement of a deficit in total body calcium and phosphorus in diagnosis of hyperparathyroidism. Boddy K, et al. **Br Med J** 2(6141):864, 23 Sep 78

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

Serum ionized calcium and corrected total calcium in borderline hyperparathyroidism. Larsson L, et al. **Clin Chem** 24(11):1962–5, Nov 78

Primary hyperparathyroidism and stone formation in medullary sponge kidneys. Tiktinsky OL, et al. **Eur Urol** 4(5):330–3, 1978

Parathyroid lesions localized by radionuclide subtraction and ultrasound. Crocker EF, et al. **Radiology** 130(1):215–7, Jan 79

Autonomous hyperparathyroidism: documentation of results of parathyroidectomy by hand radiographs. Ford K, et al. **Tex Med** 74(10):50–1, Oct 78

Oral calcium tolerance and urinary cyclic AMP in urolithiasis. Nelson JH 3d, et al. **Urology** 12(5):519–24, Nov 78

[Experience of 100 neck explorations for hyperparathyroidism. Anatomo-clinic correlation (author's transl)] Proye C. **Ann Chir** 32(5–6):265–71, May–Jun 78 (Eng. Abstr.) **(Fre)**

[Acute hyperparathyroidism, diagnosis and treatment. 10 recent cases] Dubost C, et al. **Sem Hop Paris** 54(21–24):696–703, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[Primary hyperparathyroidism: study of 21 cases in the region of Eastern districts] Frenette L, et al. **Union Med Can** 107(12):1173–8, Dec 78 **(Fre)**

[Comment of the paper 'Diagnosis and therapy of primary hyperparathyroidism'] Allgöwer M, et al. **Langenbecks Arch Chir** 346(4):235–7, 20 Dec 78 **(Ger)**

[Diagnosis and therapy of primary hyperparathyroidism (author's transl)] Zühlke V, et al. **Langenbecks Arch Chir** 346(4):219–34, 20 Dec 78 (Eng. Abstr.) **(Ger)**

[Hyperparathyroidism] Fujimoto Y. **Nippon Rinsho** 36(10):3359–62, Oct 78 **(Jpn)**

[Serum alkaline phosphatase isoenzymes in primary

PARATHYROID AND BONE

hyperparathyroidism] Kalinin AP, et al. **Lab Delo** (12):710–2, 1978 (Eng. Abstr.) **(Rus)**
[Primary hyperparathyroidism and nephrolithiasis] Tiktinskiĭ OL. **Sov Med** (10):99–104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effects of long-term 1alpha-(OH) D3 therapy on the hyperparathyroidism of children on maintenance hemodialysis (proceedings) (author's transl)] Balsan S, et al. **Ann Endocrinol (Paris)** 39(3):221–2, 1978 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Neck radiation and hyperparathyroidism [letter] Taylor DA, et al. **Ann Intern Med** 89(6):1012–3, Dec 78
[Effects of long-term 1alpha-(OH) D3 therapy on the hyperparathyroidism of children on maintenance hemodialysis (proceedings) (author's transl)] Balsan S, et al. **Ann Endocrinol (Paris)** 39(3):221–2, 1978 (Eng. Abstr.) **(Fre)**
[Primary hyperparathyroidism and nephrolithiasis] Tiktinskiĭ OL. **Sov Med** (10):99–104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Autoantibodies to parathyroid hormone receptor. Jüppner H, et al. **Lancet** 2(8102):1222–4, 9 Dec 78

METABOLISM

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78
Effects of phosphate deprivation on carbohydrate metabolism. Marshall WP, et al. **Horm Metab Res** 10(5):369–73, Sep 78
[Case of primary hyperparathyroidism] Zakharova MO, et al. **Pediatr Akush Ginekol** (5):31–2, Sep–Oct 78 **(Ukr)**

OCCURRENCE

[Primary hyperparathyroidism: study of 21 cases in the region of Eastern districts] Frenette L, et al. **Union Med Can** 107(12):1173–8, Dec 78 **(Fre)**

PATHOLOGY

Parathyroid identification by methylene blue infusion. Bambach CP, et al. **Aust NZ J Surg** 48(3):314–7, Jun 78
Twenty years' experience with parathyroid exploration. Freidin J. **Aust NZ J Surg** 48(3):261–9, Jun 78
[Experience of 100 neck explorations for hyperparathyroidism. Anatomo-clinic correlation (author's transl)] Proye C. **Ann Chir** 32(5–6):265–71, May–Jun 78 (Eng. Abstr.) **(Fre)**
[Morphological aspects of parathyroid gland transplantation. Contribution on the clinical relevance of induced, invasive tissue growth] Klempa I, et al. **Chirurg** 49(11):704–10, Nov 78 (Eng. Abstr.) **(Ger)**
[Case of primary hyperparathyroidism] Zakharova MO, et al. **Pediatr Akush Ginekol** (5):31–2, Sep–Oct 78 **(Ukr)**

PHYSIOPATHOLOGY

Glucose-induced insulin secretion in patients with parathyroid disorders. Hague RV, et al. **Clin Endocrinol (Oxf)** 9(3):283–8, Sep 78
[Primary hyperparathyroidism and nephrolithiasis] Tiktinskiĭ OL. **Sov Med** (10):99–104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78
The angiographic visualisation of a cervical lymph node. In der Maur GA, et al. **ROEFO** 129(4):520–1, Oct 78
[Skeletal manifestations of primary and secondary hyperparathyroiditis. Differential radiological diagnostic problems] Melella A, et al. **Minerva Med** 69(52):3571–80, 31 Oct 78 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Parathyroid lesions localized by radionuclide subtraction and ultrasound. Crocker EF, et al. **Radiology** 130(1):215–7, Jan 79
[Bone scintigraphy in metabolic bone diseases (author's transl)] Senda K, et al. **Rinsho Hoshasen** 23(12):1421–2, Nov 78 **(Jpn)**

SURGERY

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935–6, Dec 78
Parathyroid identification by methylene blue infusion. Bambach CP, et al. **Aust NZ J Surg** 48(3):314–7, Jun 78
Twenty years' experience with parathyroid exploration. Freidin J. **Aust NZ J Surg** 48(3):261–9, Jun 78
Hypercalcemic crisis in primary hyperparathyroidism. Irvin GL 3d, et al. **J Fla Med Assoc** 65(11):883–6, Nov 78
Endocrine surgery. Cope O. **Surg Clin North Am** 58(5):957–66, Oct 78
[Experience of 100 neck explorations for hyperparathyroidism. Anatomo-clinic correlation (author's transl)] Proye C. **Ann Chir** 32(5–6):265–71, May–Jun 78 (Eng. Abstr.) **(Fre)**
[Acute hyperparathyroidism, diagnosis and treatment. 10 recent cases] Dubost C, et al. **Sem Hop Paris** 54(21–24):696–703, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**
[Morphological aspects of parathyroid gland transplantation. Contribution on the clinical relevance of induced, invasive tissue growth] Klempa I, et al. **Chirurg** 49(11):704–10, Nov 78 (Eng. Abstr.) **(Ger)**
[Comment of the paper 'Diagnosis and therapy of primary hyperparathyroidism'] Allgöwer M, et al. **Langenbecks Arch Chir** 346(4):235–7, 20 Dec 78 **(Ger)**
[Diagnosis and therapy of primary hyperparathyroidism (author's transl)] Zühlke V, et al. **Langenbecks Arch Chir** 346(4):219–34, 20 Dec 78 (Eng. Abstr.) **(Ger)**

HYPERPARATHYROIDISM, SECONDARY

BLOOD

[Immunoreactive parathyroid hormone in samples from thyroid veins (author's transl)] Offermann G, et al. **Klin Wochenschr** 56(20):1007–12, 15 Oct 78 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Avascular necrosis of bone after renal transplantation. Potter DE, et al. **Am J Dis Child** 132(11):1125–9, Nov 78
Anemia and secondary hyperparathyroidism. Zingraff J, et al. **Arch Intern Med** 138(11):1650–2, Nov 78
Evidence of phospholipids and mucopolysaccharides in the cystic fluid from a patient with generalized tissue calcification. Anghileri LJ, et al. **Klin Wochenschr** 56(20):1013–7, 15 Oct 78
Growth in renal failure. Mehls O, et al. **Nephron** 21(5):237–47, 1978 (73 ref.)
The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)
[Reversible renal tubular acidosis during acute renal failure with maintained diuresis (letter)] Gervais C, et al. **Nouv Presse Med** 7(35):3155, 14 Oct 78 **(Fre)**

ETIOLOGY

Anemia and secondary hyperparathyroidism. Zingraff J, et al. **Arch Intern Med** 138(11):1650–2, Nov 78

PATHOLOGY

Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78

RADIOGRAPHY

[Skeletal manifestations of primary and secondary hyperparathyroiditis. Differential radiological diagnostic problems] Melella A, et al. **Minerva Med** 69(52):3571–80, 31 Oct 78 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78

HYPOPARATHYROIDISM

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**

BLOOD

Preliminary studies with the sensitive cytochemical assay for parathyroid hormone. Fenton S, et al. **Clin Endocrinol (Oxf)** 9(4):381–4, Oct 78

Glucose-induced insulin secretion in patients with parathyroid disorders. Hague RV, et al. **Clin Endocrinol (Oxf)** 9(3):283–8, Sep 78

COMPLICATIONS

Kearns-Sayre syndrome and hypoparathyroidism. Pellock JM, et al. **Ann Neurol** 3(5):455–8, May 78

Deficiency of humoral immunity and hypoparathyroidism associated with the Hallerman-Streiff syndrome. Chandra RK, et al. **J Pediatr** 93(5):892–3, Nov 78

Hypocalcaemic cardiac failure. Brenton DP, et al. **Postgrad Med J** 54(635):633–6, Sep 78

Computed tomography in oculocraniosomatic disease (Kearns-Sayre syndrome). Seigel RS, et al. **Radiology** 130(1):159–64, Jan 79

[Etiology of hypocalcemia in hypoparathyroidism and pseudohypoparathyroidism] Tsuchiya H, et al. **Horumon To Rinsho** 26(11):1167–74, Nov 78 **(Jpn)**

[Parathyroid hormone-like effects of acetazolamide (author's transl)] Sohn H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(8):949–56, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[The candida-endocrinopathy syndrome] Dučić V, et al. **Med Arh** 32(3):155–8, May-Jun 78 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Testing for hypoparathyroidism [letter] de Deuxchaisnes CN, et al. **N Engl J Med** 300(3):140, 18 Jan 79

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**

DRUG THERAPY

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**

ETIOLOGY

Thyroidectomy. Wade JS. **Br J Hosp Med** 20(4):456, 459–61, 464–8 passim, Oct 78

Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Reyes HM, et al. **Surg Gynecol Obstet** 148(1):76–8, Jan 79

[Hypoparathyroidism with edema of the optic nerve papilla developed after treatment of thyrotoxicosis with radioactive iodine] Zefirova GS, et al. **Ter Arkh** 50(11):66–7, 1978 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Deficiency of humoral immunity and hypoparathyroidism associated with the Hallerman-Streiff syndrome. Chandra RK, et al. **J Pediatr** 93(5):892–3, Nov 78

[Autoantibodies in vitiligo (news)] Herz KC. **Med Klin** 73(43):3, 27 Oct 78 **(Ger)**

METABOLISM

[Etiology of hypocalcemia in hypoparathyroidism and pseudohypoparathyroidism] Tsuchiya H, et al. **Horumon To Rinsho** 26(11):1167–74, Nov 78 **(Jpn)**

[Parathyroid hormone-like effects of acetazolamide (author's transl)] Sohn H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(8):949–56, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Glucose-induced insulin secretion in patients with parathyroid disorders. Hague RV, et al. **Clin Endocrinol (Oxf)** 9(3):283–8, Sep 78

Vitamin D and the syndromes of azotaemic osteodystrophy. Stanbury SW. **Contrib Nephrol** 13:132–46, 1978 (57 ref.)

PREVENTION & CONTROL

[Prevention of recurrent nerve paresis and parathyroid lesions in thyroidectomy] Tschantz P. **Fortschr Med** 96(45):2286–8, 1 Dec 78 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CAT scan in hypoparathyroidism. Kaiserman D, et al. **Ann Neurol** 2(3):245–50, Sep 77

Computed tomography in oculocraniosomatic disease (Kearns-Sayre syndrome). Seigel RS, et al. **Radiology** 130(1):159–64, Jan 79

PARATHYROID DISEASES

DIAGNOSIS

Parathyroid cysts--medical diagnosis and management [letter] Stoffer SS, et al. **JAMA** 241(4):357, 26 Jan 79

[Round-table conference. Radioimmunologic studies: principles, interpretation of results, clinical significance] **Przegl Lek** 35(10):781–94, 1978 **(Pol)**

ENZYMOLOGY

[Serum dopamine-beta-hydroxylase activity in endocrine disease and hypertension (author's transl)] Hara I. **Nippon Naibunpi Gakkai Zasshi** 54(11):1207–21, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Histopathologic study of the parathyroid glands in 110 routine necropsies (author's transl)] Ojeda Casas VJ. **Rev Med Chil** 106(9):686–94, Sep 78 (Eng. Abstr.) **(Spa)**

PARATHYROID GLANDS

INJURIES

Incidental parathyroidectomy during thyroid surgery. Croyle PH, et al. **Am Surg** 44(9):559–63, Sep 78

PARATHYROID NEOPLASMS

BLOOD

[Preoperative location of parathyroid adenomas using supraselective parathyroid hormone determination in the blood of the cervical veins] Hauss J, et al. **Chirurg** 49(12):745–51, Dec 78 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

Hypercalcemia associated with parathyroid hyperfunction and malignancy. Lima JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 31(2):200–4, Fall 78

DIAGNOSIS

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

Parathyroid lesions localized by radionuclide subtraction and ultrasound. Crocker EF, et al. **Radiology** 130(1):215–7, Jan 79

ETIOLOGY

Natural history of radiation-associated thyroid cancer. Roudebush CP, et al. **Arch Intern Med** 138(11):1631–4, Nov 78

PATHOLOGY

Natural history of radiation-associated thyroid cancer. Roudebush CP, et al. **Arch Intern Med** 138(11):1631–4, Nov

78

Parathyroid identification by methylene blue infusion. Bambach CP, et al. **Aust NZ J Surg** 48(3):314–7, Jun 78

Twenty years' experience with parathyroid exploration. Freidin J. **Aust NZ J Surg** 48(3):261–9, Jun 78

Mediastinal rhabdomyoma. Miller R, et al. **Cancer** 42(4):1983–8, Oct 78

[Histopathologic study of the parathyroid glands in 110 routine necropsies (author's transl)] Ojeda Casas VJ. **Rev Med Chil** 106(9):686–94, Sep 78 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Parathyroid lesions localized by radionuclide subtraction and ultrasound. Crocker EF, et al. **Radiology** 130(1):215–7, Jan 79

SECRETION

Long-term maintenance of responsive human parathyroid tissue in organ culture. Derenoncourt FJ, et al. **Surg Forum** 28:107–9, 1977

SURGERY

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

Characterisation of a local structure in the synthetic parathyroid hormone fragment 1--34 by 1H nuclear-magnetic-resonance techniques. Bundi A, et al. **Eur J Biochem** 91(1):201-8, 2 Nov 78

ADMINISTRATION & DOSAGE

Renal phosphate clearance in fetal lambs. Moore ES, et al. **Pediatr Res** 12(11):1066-9, Nov 78

ANTAGONISTS & INHIBITORS

Propranolol in uraemic osteodystrophy [letter] Brancaccio D, et al. **Lancet** 2(8096):940, 28 Oct 78

Propranolol for renal osteodystrophy [letter] Fournier A, et al. **Lancet** 2(8104-5):1372, 23-30 Dec 78

BIOSYNTHESIS

Porto-systemic gradient of immunoreactive parathyroid hormone in man. Moossa AR, et al. **J Surg Res** 25(5):445-8, Nov 78

BLOOD

Parathyroid hormone and calcitonin in serum of patients with mammary carcinoma. Rasmusson B, et al. **Acta Radiol [Ther] (Stockh)** 17(4):269-76, 1978

Calcitonin, parathyroid hormone and insulin concentrations in sera from patients with gastrinoma. Cecchettin M, et al. **Adv Exp Med Biol** 106:117-9, 1978

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473-86, 1978 (41 ref.)

The effects of phosphate depletion on bone. Ivey JL, et al. **Adv Exp Med Biol** 103:373-80, 1978

Interrelations between phosphorus, calcium, parathyroid hormone, and phosphate excretion in the normal and uremic dog. Kaplan MA, et al. **Adv Exp Med Biol** 103:257-62, 1978

Parathyroid hormone receptors and stimulation of renal cyclic 3', 5' AMP in vitro: physiological relevance? Kugai N, et al. **Adv Exp Med Biol** 103:537-42, 1978

Has vitamin D a direct renal effect on the tubular reabsorption of phosphate? A study in parathyroidectomized (PTX) and non-PTX man. Madsen S, et al. **Adv Exp Med Biol** 103:111-23, 1978

Effects of 1,25-dihydroxycholecalciferol on serum calcium, phosphate, and immunoreactive parathyroid hormone in dogs. Oldham SB, et al. **Adv Exp Med Biol** 103:509-16, 1978

Further evidence supporting the phosphate leak hypothesis of idiopathic hypercalciuria. Shen FH, et al. **Adv Exp Med Biol** 103:217-23, 1978

The hypocalcemia of magnesium depletion. Slatopolsky E, et al. **Adv Exp Med Biol** 103:263-71, 1978 (23 ref.)

Hereditary fructose intolerance: a difficult diagnosis in the adult. Lameire N, et al. **Am J Med** 65(3):416-23, Sep 78

Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Spiegel AM, et al. **Ann Intern Med** 89(6):935-6, Dec 78

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312-21, Sep 78

Parathyroid hormone and calcium homeostasis in acute pancreatitis. Imrie CW, et al. **Br J Surg** 65(10):717-20, Oct 78

Hypomagnesaemic hypocalcaemia in renal failure. Lien KW. **Br Med J** 2(6149):1400, 18 Nov 78

Ionized hypocalcemia in critically ill patients with sepsis. Taylor B, et al. **Can J Surg** 21(5):429-33, Sep 78

Magnesium and phosphate in the serum of patients with medullary carcinoma of the thyroid. Rasmusson B. **Clin Chim Acta** 89(2):279-83, 16 Oct 78

A sensitive bioassay of parathyroid hormone in plasma. Chambers DJ, et al. **Clin Endocrinol (Oxf)** 9(4):375-9, Oct 78

Preliminary studies with the sensitive cytochemical assay for parathyroid hormone. Fenton S, et al. **Clin Endocrinol (Oxf)** 9(4):381-4, Oct 78

Serum and urine phosphate during short-term beta-adrenergic blockade in healthy men. Lindsay R, et al. **Clin Pharmacol Ther** 24(6):650-3, Dec 78

Kinetics of PTH metabolism and PTH fragments in chronic renal failure. Lustenberger N, et al. **Contrib Nephrol** 13:115-24, 1978

Effects of calcium intake and renal function on plasma immunoreactive parathyroid hormone levels in rats. Grubenmann W, et al. **Horm Metab Res** 10(5):438-43, Sep 78

Effects of phosphate deprivation on carbohydrate metabolism. Marshall WP, et al. **Horm Metab Res** 10(5):369-73, Sep 78

Urinary phosphate and cyclic AMP excretion following citrate-induced hypocalcemic stimulation of the neonatal parathyroid glands. Brown DR, et al. **J Pediatr** 93(5):842-6, Nov 78

Reduced serum 25-hydroxyvitamin D concentration and disordered mineral metabolism in patients with cystic fibrosis. Hahn TJ, et al. **J Pediatr** 94(1):38-42, Jan 79

Porto-systemic gradient of immunoreactive parathyroid hormone in man. Moossa AR, et al. **J Surg Res** 25(5):445-8, Nov 78

Late complications of long-term hemodialysis in children: clinical aspects and some measurable variables concerning parathyroid hormone, divalent ions, acid-base metabolism, anemia, nutrition, growth and survival data. Chan JC. **J Urol** 120(5):578-85, Nov 78

Interrelations between phosphorus, calcium, parathyroid hormone, and renal phosphate excretion in response to an oral phosphorus load in normal and uremic dogs. Kaplan MA, et al. **Kidney Int** 14(3):207-14, Sep 78

Serum 25-hydroxyvitamin D and parathyroid hormone in patients with acute renal failure. Pietrek J, et al. **Kidney Int** 13(2):178-85, Feb 78

A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25-dihydroxyvitamin D. Riggs BL, et al. **Mayo Clin Proc** 53(11):701-6, Nov 78

Testing for hypoparathyroidism [letter] de Deuxchaisnes CN, et al. **N Engl J Med** 300(3):140, 18 Jan 79

Renal phosphate clearance in fetal lambs. Moore ES, et al. **Pediatr Res** 12(11):1066-9, Nov 78

Effect of long-term administration of epinephrine and propranolol on serum calcium, parathyroid hormone, and calcitonin in the rat. Harney AN, et al. **Proc Soc Exp Biol Med** 159(2):266-9, Nov 78

Effect of ethanol on parathryroid hormone and calcitonin secretion in man. Williams GA, et al. **Proc Soc Exp Biol Med** 159(2):187-91, Nov 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694-6, Nov 78

Additional experience with continuous ambulatory peritoneal dialysis (CAPD). Moncrief JW, et al. **Trans Am Soc Artif Intern Organs** 24:476-83, 1978

Oral calcium tolerance and urinary cyclic AMP in urolithiasis. Nelson JH 3d, et al. **Urology** 12(5):519-24, Nov 78

[Preoperative location of parathyroid adenomas using supraselective parathyroid hormone determination in the blood of the cervical veins] Hauss J, et al. **Chirurg** 49(12):745-51, Dec 78 (Eng. Abstr.) **(Ger)**

[Immunoreactive parathyroid hormone in samples from thyroid veins (author's transl)] Offermann G, et al. **Klin Wochenschr** 56(20):1007-12, 15 Oct 78 (Eng. Abstr.) **(Ger)**

[Serum iPTH concentration in chronic renal failure and its relationship to calcium metabolism (author's transl)] Asano Y, et al. **Nippon Jinzo Gakkai Shi** 20(7):747-57, Jul 78 (Eng. Abstr.) **(Jpn)**

[Malignant tumors] Tanaka M, et al. **Nippon Rinsho** 36(10):3426-30, Oct 78 (38 ref.) **(Jpn)**

CHEMICAL SYNTHESIS

Characterisation of a local structure in the synthetic parathyroid hormone fragment 1--34 by 1H nuclear-magnetic-resonance techniques. Bundi A, et al. **Eur J Biochem** 91(1):201-8, 2 Nov 78

DIAGNOSTIC USE

[Primary hyperparathyroidism and nephrolithiasis] Tiktinskiĭ OL. **Sov Med** (10):99-104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**

PARATHYROID AND BONE

IMMUNOLOGY

Anemia and secondary hyperparathyroidism. Zingraff J, et al. **Arch Intern Med** 138(11):1650–2, Nov 78

Porto–systemic gradient of immunoreactive parathyroid hormone in man. Moossa AR, et al. **J Surg Res** 25(5):445–8, Nov 78

Autoantibodies to parathyroid hormone receptor. Jüppner H, et al. **Lancet** 2(8102):1222–4, 9 Dec 78

A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25–dihydroxyvitamin D. Riggs BL, et al. **Mayo Clin Proc** 53(11):701–6, Nov 78

[Immunoreactive parathyroid hormone in samples from thyroid veins (author's transl)] Offermann G, et al. **Klin Wochenschr** 56(20):1007–12, 15 Oct 78 (Eng. Abstr.) **(Ger)**

METABOLISM

Parathyroid hormone receptors and stimulation of renal cyclic 3', 5' AMP in vitro: physiological relevance? Kugai N, et al. **Adv Exp Med Biol** 103:537–42, 1978

Parathyroid hormone metabolism in normal and uremic man. Lustenberger N, et al. **Adv Exp Med Biol** 103:529–36, 1978

Interim report on treatment of osteoporotic patients with 1 alpha–hydroxyvitamin D3 and calcium. Lindholm TS, et al. **Clin Orthop** (135):232–40, Sep 78

Short–term effects of varying doses of 1 alpha–hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Lindholm TS, et al. **Clin Orthop** (135):226–31, Sep 78

Endocrinological aspects of PTH metabolism in the kidney. Hesch RD, et al. **Contrib Nephrol** 13:104–14, 1978

Deficiency of humoral immunity and hypoparathyroidism associated with the Hallerman–Streiff syndrome. Chandra RK, et al. **J Pediatr** 93(5):892–3, Nov 78

Renal osteodystrophy in end–stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

[Calcium and phosphate metabolism in hemofiltration (author's transl)] Fuchs C, et al. **Klin Wochenschr** 56(23):1163–9, 1 Dec 78 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Endocrine regulation of plasma phosphate in sheep fetuses with catheters implanted in utero. Barlet JP, et al. **Adv Exp Med Biol** 103:243–56, 1978

Effect of dietary phosphorus deprivation on renal handling of calcium and phosphorus. Beck N. **Adv Exp Med Biol** 103:401–4, 1978

Outflux of 45calcium along the rat nephron. Greger R, et al. **Adv Exp Med Biol** 103:125–8, 1978 (19 ref.)

Effects of parathyroid hormone and dietary phosphorus on the decreased synthesis of 1,25–dihydroxyvitamin D3 in rats with graded reduction of nephron mass. Kawaguchi Y, et al. **Adv Exp Med Biol** 103:505–7, 1978

An evaluation of possible sites of phosphate secretion in the rat nephron. Knox FG, et al. **Adv Exp Med Biol** 103:65–9, 1978 (12 ref.)

Effect of PTH on osteocyte ultrastructure. Krempien B, et al. **Adv Exp Med Biol** 103:437–50, 1978

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)

Effect of phosphorus depletion on the renal transport of phosphate. Steele TH. **Adv Exp Med Biol** 103:343–55, 1978 (27 ref.)

Mechanisms of cellular phosphate transport in rat kidney proximal tubule. Ullrich KJ. **Adv Exp Med Biol** 103:21–35, 1978 (24 ref.)

Intestinal inorganic phosphate transport. Walling MW. **Adv Exp Med Biol** 103:131–47, 1978 (42 ref.)

Attempts to demonstrate phosphate secretion in the rat. Weinman EJ, et al. **Adv Exp Med Biol** 103:71–7, 1978

Stimulation of adenylate cyclase in isolated rat glomeruli by prostaglandins. Schlondorff D, et al. **Am J Physiol** 235(5):F458–64, Nov 78

Parathyroid hormone induced stimulation of calcium uptake by renal microsomes. Harada E, et al. **Biochem Biophys Res Commun** 84(2):396–402, 29 Sep 78

Selective stimulation of net calcium efflux from chick embryo tibiae by parathyroid hormone in vitro. Ramp WK, et al. **Calcif Tissue Res** 25(3):227–32, 18 Aug 78

A sensitive bioassay of parathyroid hormone in plasma. Chambers DJ, et al. **Clin Endocrinol (Oxf)** 9(4):375–9, Oct 78

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555–69, Oct 78 (71 ref.)

Renal tubular effects of parathyroid hormone: an update. Puschett JB. **Clin Orthop** (135):249–59, Sep 78 (68 ref.)

Endocrinological aspects of PTH metabolism in the kidney. Hesch RD, et al. **Contrib Nephrol** 13:104–14, 1978

Current concepts of renal proximal tubular function. Kinne R. **Contrib Nephrol** 14:14–24, 1978

Renal regulation of acid–base homeostasis. Kurtzman NA, et al. **Contrib Nephrol** 14:1–13, 1978 (13 ref.)

Renal adenylate cyclase systems. Osswald H, et al. **Contrib Nephrol** 14:74–86, 1978

Increased sensitivity of bone to parathyroid hormone in castrated mice. Broulík PD, et al. **Endocrinol Exp (Bratisl)** 12(3):187–92, Sep 78

Parathyroid hormone and triglyceride transport: effects on triglyceride secretion rates and adipose tissue lipoprotein lipase in the rat. Bagdade J, et al. **Horm Metab Res** 10(5):443–6, Sep 78

Interaction of the parathyroid and 1,25–dihydroxyvitamin D3 in the control of renal 25–hydroxyvitamin D3 metabolism. Omdahl JL. **J Biol Chem** 253(23):8474–8, 10 Dec 78

Analysis of sodium fluoride enhancement of calcitonin stimulation of renal cortical adenylate cyclase. Queener SF, et al. **J Biol Chem** 253(24):9033–40, 25 Dec 78

Induction of metabolic changes and down regulation of bovine parathyroid hormone–responsive adenylate cyclase are dissociable in isolated osteoclastic and osteoblastic bone cells. Wong GL. **J Biol Chem** 254(1):34–7, 10 Jan 79

Resistance to parathyroid hormone in renal failure: role of vitamin D metabolites. Somerville PJ, et al. **Kidney Int** 14(3):245–54, Sep 78

The calcemic and phosphaturic effects of parathyroid hormone in the normal and uremic dog. Kaplan MA, et al. **Metabolism** 27(12):1785–92, Dec 78

Somatostatin inhibits and reverses hypergastrinemia induced by parathyroid hormone, calcium, and acetylcholine. Bolman RM 3d, et al. **Surg Forum** 28:373–4, 1977

[Parathyroid hormone–like effects of acetazolamide (author's transl)] Sohn H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(8):949–56, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Regulation of the tubular transport of phosphate in the rat: role of parathyroid hormone and 1,25–dihydroxyvitamin D3. Bonjour JP, et al. **Adv Exp Med Biol** 103:97–103, 1978

Urinary phosphate and cyclic AMP in pseudohypoparathyroidism. Klahr S, et al. **Adv Exp Med Biol** 103:173–85, 1978 (34 ref.)

Recent progress in renal handling of phosphate. Kuntziger H, et al. **Adv Exp Med Biol** 103:3–10, 1978

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

Effect of volume expansion on phosphate transport in uremic dogs. Wen SF, et al. **Adv Exp Med Biol** 103:87–9, 1978

Ultrastructural and biochemical observations on the metanephros of normal and cultured chick embryos. Narbaitz R, et al. **Anat Embryol (Berl)** 155(1):95–105, 5 Dec 78

Renal tubular effects of parathyroid hormone: an update. Puschett JB. **Clin Orthop** (135):249–59, Sep 78 (68 ref.)

Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Urinary phosphate and cyclic AMP excretion following citrate–induced hypocalcemic stimulation of the neonatal parathyroid glands. Brown DR, et al. **J Pediatr** 93(5):842–6, Nov 78

Calcium and cancer. Mundy GR. **Life Sci** 23(17–18):1735–44, 30 Oct 78 (66 ref.)

'Magnification phenomenon' in chronic renal disease. Bricker NS, et al. **N Engl J Med** 299(23):1287–93, 7 Dec 78

Maximal reabsorptive capacity for inorganic phosphate (TmPi) in the absence of parathyroid hormone in the rat: decrease of the TmPi during prolonged administration of phosphate and the role of calcium. Frick A, et al. **Pfluegers Arch** 377(1):9–14, 18 Oct 78

Renal osteodystrophy in end–stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

Hypercalcemia associated with parathyroid hyperfunction and malignancy. Lima JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 31(2):200–4, Fall 78

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**

[Mechanism of transport of Ca and P in the kidney] Fujimoto M, et al. **Nippon Rinsho** 36(10):3304–13, Oct 78 (45 ref.) **(Jpn)**

[Activation of vitamin D and its control in the kidney] Horiuchi N. **Nippon Rinsho** 36(10):3319–23, Oct 78 (33 ref.) **(Jpn)**

[PTH and Ca and P metabolism] Nagata N. **Nippon Rinsho** 36(10):3314–8, Oct 78 **(Jpn)**

[Idiopathic hypercalciuria (author's transl)] Ohata M. **Nippon Rinsho** 36(10):3413–6, Oct 78 **(Jpn)**

SECRETION

The in vitro production and activity of 24, 25-dihydroxycholecalciferol in cartilage and calvarium. Garabedian M, et al. **Clin Orthop** (135):241–8, Sep 78

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

Effect of long-term administration of epinephrine and propranolol on serum calcium, parathyroid hormone, and calcitonin in the rat. Harney AN, et al. **Proc Soc Exp Biol Med** 159(2):266–9, Nov 78

Effect of ethanol on parathryroid hormone and calcitonin secretion in man. Williams GA, et al. **Proc Soc Exp Biol Med** 159(2):187–91, Nov 78

Long-term maintenance of responsive human parathyroid tissue in organ culture. Derenoncourt FJ, et al. **Surg Forum** 28:107–9, 1977

[Paraneoplastic hypercalcemia] Elomaa I. **Duodecim** 94(22):1390–6, 1978 **(Fin)**

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

[Successful gastric ulcer treatment of a patient with primary hyperparathyroidism with cimetidine (author's transl)] Simon B, et al. **Med Klin** 73(43):1513–6, 27 Oct 78 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**

IV. *Bone Metabolism and Related Topics*

BONE AND BONES

Salmonella serotypes encountered in animal feed additives in Lebanon. Nabbut NH. **Am J Vet Res** 39(5):893–5, May 78

Episcleral osseous choristoma. Sheth KL, et al. **Indian J Ophthalmol** 26(1):49–50, Apr 78

A piezoelectric model for dry bone tissue. Güzelsu N. **J Biomech** 11(5):257–67, 1978

[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. 1. Bones and hematopoiesis, hematopoiesis and kidney––effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273–6, 1 Dec 78 **(Ger)**

[Fetal bone tissue in the uterine cavity as a cause of complications after evacuation of dead fetus] Cisło MA, et al. **Ginekol Pol** 49(7):639–41, Jul 78 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Epiphysial dysplasia: a constant finding in the XXXXY syndrome. Schmidt R, et al. **J Med Genet** 15(4):282–7, Aug 78

Growth deficiency dysmorphic syndromes. Smith DW. **Postgrad Med J** 54 Suppl 1:147–57, 1978

[Differential diagnosis of metaphyseal dysplasias and osteodysplasty (osteodysplasty of Melnick and Needles) (author's transl)] Böttger E, et al. **Z Orthop** 116(6):810–9, 1978 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of the crystalline fraction in bone and other mineralizing tissues within the histochemical range by electron spin resonance spectroscopy. Ostrowski K, et al. **Acta Histochem [Suppl] (Jena)** 15:291–6, 1975 (23 ref.)

Compact bone mineral density of the normal human radius. Meema HE, et al. **Acta Radiol [Ther] (Stockh)** 17(4):342–52, 1978

Immuno–histochemical localization of cyclic nucleotides in the periodontium: mechanically–stressed cells in vivo. Davidovitch Z, et al. **Anat Rec** 192(3):351–61, Nov 78

Immuno–histochemical localization of cyclic nucleotides in mineralized tissues: mechanically–stressed osteoblasts in vivo. Davidovitch Z, et al. **Anat Rec** 192(3):363–73, Nov 78

A simple procedure for the determination of hydroxyproline in urine and bone. Gordeladze JO, et al. **Biochem Med** 20(1):23–30, Aug 78

Positioning errors in bone mineral measurement. Al Jarallah MI, et al. **Br J Radiol** 51(610):821–2, Oct 78

Mechanical properties and composition of cortical bone. Carter DR, et al. **Clin Orthop** (135):192–217, Sep 78 (123 ref.)

Lead and other elements in tissues of guinea pigs fed crown vetch grown adjacent to a highway. Young RW, et al. **Cornell Vet** 68(4):521–9, Oct 78

Endosteal dose to thorotrast patients. Mays CW. **Health Phys** 35(1):123–5, Jul 78

Effect of storage and processing on tetracycline residues in meat and bones. Honikel KO, et al. **J Assoc Off Anal Chem** 61(5):1222–7, Sep 78

Characterization of type III procollagen from chick embryo blood vessels. Fessler LI, et al. **J Biol Chem** 254(1):233–9, 10 Jan 79

A piezoelectric model for dry bone tissue. Güzelsu N. **J Biomech** 11(5):257–67, 1978

Fracture healing in weight–bearing and nonweight–bearing bones. Connolly JF, et al. **J Trauma** 18(11):766–70, Nov 78

Value of the bone biopsy in the diagnosis of industrial fluorosis. Baud CA, et al. **Virchows Arch [Pathol Anat]** 380(4):283–97, 4 Dec 78

[Strontium–90 and cesium–137 content in commercial fishes] Patin SA, et al. **Radiobiologiia** 18(5):730–3, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the glycoproteins of the mineralized tissues of several species of animals] Sitkin MI, et al. **Zh Evol Biokhim Fiziol** 14(5):428–31, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Advances in the study of the structure of renal calculi] Cifuentes Delatte DL. **An R Acad Nacl Med (Madr)** 95(3):351–63, 1978 **(Spa)**

[Mineralometry and vitamin D in hemodialyzed patients] Bustamante J, et al. **Rev Clin Esp** 150(3–4):129–32, Aug 78 (Eng. Abstr.) **(Spa)**

[Calcium tablets and bone meal preparations––a source of fluoride] Månsson B, et al. **Tandlakartidningen** 70(6):383–5, 15 Mar 78 **(Swe)**

ANATOMY & HISTOLOGY

The effects of phosphate depletion on bone. Ivey JL, et al. **Adv Exp Med Biol** 103:373–80, 1978

Relationship of anthropometric dimensions to lean body mass in children. Slaughter MH, et al. **Ann Hum Biol** 5(5):469–82, Sep 78

A quantitative study of the structure of trabecular bone in man, rhesus monkey, beagle and miniature pig. Beddoe AH. **Calcif Tissue Res** 25(3):273–81, 18 Aug 78

Quantitative measurement of fractional bone volume using digital scanning videodensitometry. Robb RA, et al. **Calcif Tissue Res** 25(3):265–71, 18 Aug 78

The architecture of cancellous bone. Singh I. **J Anat** 127(2):305–10, Oct 78

Factors governing the mechanical behavior of the implant–porous coating––trabecular bone interface. Ducheyne P, et al. **J Biomech** 11(6–7):297–307, 1978

Cartilage impact in vitro: effect of bone and cement. Finlay JB, et al. **J Biomech** 11(8–9):379–88, 1978

Fracture toughness, critical crack length and plastic zone size in bone. Robertson DM, et al. **J Biomech** 11(8–9):359–64, 1978

Healing of continuous–wave and rapid superpulsed, carbon dioxide, laser–induced bone defects. Clayman L, et al. **J Oral Surg** 36(12):932–7, Dec 78

A procedure for obtaining thin sections of undercalcified bone biopsies embedded in methyl methacrylate. Spijker HJ. **Microsc Acta** 81(1):17–26, Sep 78

BLOOD SUPPLY

Reply to 'Acute effects of periosteal stripping and medullary reaming on regional bone blood flow' [letter] Rhinelander FW. **Clin Orthop** (135):308–9, Sep 78

[Drepanocytic osseous complications: dystrophia and osteonecrosis (author's transl)] Carayon A, et al. **Med Trop (Mars)** 38(2):207–12, Mar–Apr 78 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)

Mechanical properties and composition of cortical bone. Carter DR, et al. **Clin Orthop** (135):192–217, Sep 78 (123 ref.)

Dose to endosteal cells and relative distribution factors for radium–224 and plutonium–239 compared to radium–226. Marshall JH, et al. **Health Phys** 35(1):91–101, Jul 78

Tissue ingrowth in porous acrylic cement. Rijke AM, et al. **J Bioeng** 2(3–4):333–9, Jun 78

The effects of varying oxygen tensions upon bone resorption in vitro. Gray DH, et al. **J Bone Joint Surg [Br]** 60–B(4):575–8, Nov 78

[Healing processes of ultrasonically welded bone fractures in rabbits (author's transl)] Kühne W, et al. **Exp Pathol (Jena)** 16(1–6):102–8, 1978 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Changes in bone mineral content in women with natural menopause during treatment with female sex hormones. Dalén N, et al. **Acta Obstet Gynecol Scand** 57(5):435–7, 1978

A new diphosphonate: dissociation between effects on cells and mineral in rats and a preliminary trial in Paget's disease. Lemkes HH, et al. **Adv Exp Med Biol** 103:459–69, 1978

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)

Purification of a lymphokine: osteoclast activating factor from human tonsil lymphocytes. Luben RA.

Biochem Biophys Res Commun 84(1):15–22, 14 Sep 78

A bone resorbing substance from bovine serum albumin (brA). Stern PH, et al. **Calcif Tissue Res** 25(3):233–40, 18 Aug 78

The influence of some vasoactive drugs on bone circulation. Tran MA, et al. **Eur J Pharmacol** 52(1):109–14, 1 Nov 78

Inhibition of vitamin A action in rat bone cultures by inhibitors of RNA and protein synthesis. Kistler A. **Experientia** 34(9):1159–61, 15 Sep 78

Porphobilinogen–accumulation by a porphyrin auxotrophic strain of Bacillus subtilis. Miczák A, et al. **Experientia** 34(9):1158, 15 Sep 78

Vitamin D dependence of a calcium–binding protein containing gamma–carboxyglutamic acid in chicken bone. Hauschka PV, et al. **J Biol Chem** 253(24):9063–8, 25 Dec 78

Dissociation between the effect of bovine growth hormone in articular cartilage and in bone of the adult dog. Mankin HJ, et al. **J Bone Joint Surg [Am]** 60(8):1071–5, Dec 78

Studies on vitamin D (calciferol) and its analogues. 15. 24–Nor–1alpha,25–dihydroxyvitamin D3 and 24–nor–25–hydroxy–5,6–trans–vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

Evidence for the promotion of bone mineralization by 1alpha,25–dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec 78

Tamoxifen flare in advanced breast cancer. Plotkin D, et al. **JAMA** 240(24):2644–6, 8 Dec 78

The calcemic and phosphaturic effects of parathyroid hormone in the normal and uremic dog. Kaplan MA, et al. **Metabolism** 27(12):1785–92, Dec 78

Excess magnesium. Mordes JP, et al. **Pharmacol Rev** 29(4):273–300, Dec 77 (471 ref.)

The synthesis and activity in vitro of 25–masked 1alpha–hydroxylated vitamin D3 analogs. Napoli JL, et al. **Steroids** 32(4):453–66, Nov 78

[Some metabolic effects of bacterial endotoxins] Fumarola D. **Recenti Prog Med** 65(2):171–90, Aug 78 (145 ref.) (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

Fetal rat bone in organ culture: effect of bone growth and bone atrophy on the comparative losses of 45Ca and 3H–tetracycline. Chen TL, et al. **Calcif Tissue Res** 25(3):255–63, 18 Aug 78

ENZYMOLOGY

Use of albumin/globulin ratio in differentiation between bone and liver isoenzymes of alkaline phosphatase [letter] Davidson DF. **Clin Chem** 24(12):2214–5, Dec 78

Ultrastructural localization of alkaline phosphatase in initial intramembranous osteogenesis. Bernard GW. **Clin Orthop** (135):218–25, Sep 78

Induction of metabolic changes and down regulation of bovine parathyroid hormone–responsive adenylate cyclase are dissociable in isolated osteoclastic and osteoblastic bone cells. Wong GL. **J Biol Chem** 254(1):34–7, 10 Jan 79

Histochemical characterization of alkaline phosphatase in developing rat teeth and bone. Hasselgren G, et al. **Scand J Dent Res** 86(5):325–36, Sep 78

[Serum alkaline phosphatase isoenzymes in primary hyperparathyroidism] Kalinin AP, et al. **Lab Delo** (12):710–2, 1978 (Eng. Abstr.) **(Rus)**

INJURIES

[Injuries to the osseous skeleton in patients with multiple injuries] Ecke H. **Chirurg** 49(12):727–30, Dec 78 **(Ger)**

METABOLISM

Changes in bone mineral content in women with natural menopause during treatment with female sex hormones. Dalén N, et al. **Acta Obstet Gynecol Scand** 57(5):435–7, 1978

Role of phosphate and pyrophosphate in soft tissue calcification. Alfrey AC, et al. **Adv Exp Med Biol** 103:187–93, 1978 (15 ref.)

Phosphorous depletion and vitamin D metabolism. Avioli LV. **Adv Exp Med Biol** 103:367–72, 1978 (25 ref.)

Disturbances in acid–base balance during hypophosphatemia and phosphate depletion. Emmett M, et al. **Adv Exp Med Biol** 103:313–25, 1978 (19 ref.)

The effects of phosphate depletion on bone. Ivey JL, et al. **Adv Exp Med Biol** 103:373–80, 1978

Prostaglandins and divalent cation metabolism. Kirschenbaum MA, et al. **Adv Exp Med Biol** 103:283–97, 1978 (43 ref.)

A new diphosphonate: dissociation between effects on cells and mineral in rats and a preliminary trial in Paget's disease. Lemkes HH, et al. **Adv Exp Med Biol** 103:459–69, 1978

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

The hypocalcemia of magnesium depletion. Slatopolsky E, et al. **Adv Exp Med Biol** 103:263–71, 1978 (23 ref.)

Subacute fluorosis: a consequence of abuse of an organofluoride anesthetic. Klemmer PJ, et al. **Ann Intern Med** 89(5 Pt 1):607–11, Nov 78

Penetration of methicillin, oxacillin, and cephalothin into bone and synovial tissues. Fitzgerald RH Jr, et al. **Antimicrob Agents Chemother** 14(5):723–6, Nov 78

The influence of oestrogen on bone metabolism. Langeland N. **Arch Orthop Trauma Surg** 92(2–3):149–52, 30 Aug 78

Fetal rat bone in organ culture: effect of bone growth and bone atrophy on the comparative losses of 45Ca and 3H–tetracycline. Chen TL, et al. **Calcif Tissue Res** 25(3):255–63, 18 Aug 78

Bone mineral turnover in a patient with osteogenesis imperfecta estimated by fluoride excretion. Forbes GB, et al. **Calcif Tissue Res** 25(3):283–7, 18 Aug 78

Effect of 1,25–dihydroxycholecalciferol on adenosine 3',5'–cyclic monophosphate production in calvaria of mice. Gebauer U, et al. **Calcif Tissue Res** 25(3):223–5, 18 Aug 78

Changes in organic matrix of bone and of bone and blood ATP in rats fed rachitogenic diets. Hong KC, et al. **Calcif Tissue Res** 25(3):241–4, 18 Aug 78

Changes in the red cell, plasma and inulin spaces and in the total water contents of rat femurs in cortisone induced osteoporosis. Lien J, et al. **Calcif Tissue Res** 25(3):245–8, 18 Aug 78

Selective stimulation of net calcium efflux from chick embryo tibiae by parathyroid hormone in vitro. Ramp WK, et al. **Calcif Tissue Res** 25(3):227–32, 18 Aug 78

Oestrogen binding proteins in bone cell cytosol. van Paassen HC, et al. **Calcif Tissue Res** 25(3):249–54, 18 Aug 78

The in vitro production and activity of 24, 25–dihydroxycholecalciferol in cartilage and calvarium. Garabedian M, et al. **Clin Orthop** (135):241–8, Sep 78

An experimental model of osteogenesis: a closed in vivo culture system using diffusion chambers. Vilpo JA, et al. **Clin Orthop** (135):291–4, Sep 78

Increased sensitivity of bone to parathyroid hormone in castrated mice. Broulik PD, et al. **Endocrinol Exp (Bratisl)** 12(3):187–92, Sep 78

Inhibition of vitamin A action in rat bone cultures by inhibitors of RNA and protein synthesis. Kistler A. **Experientia** 34(9):1159–61, 15 Sep 78

Porphobilinogen–accumulation by a porphyrin auxotrophic strain of Bacillus subtilis. Miczák A, et al. **Experientia** 34(9):1158, 15 Sep 78

What we know––and don't know––about bone loss in the elderly. Khairi MR, et al. **Geriatrics** 33(11):67–76, Nov 78

Alveolar atrophy and decreased skeletal mass of the radius. Rosenquist JB, et al. **Int J Oral Surg** 7(5):479–81, Oct 78

Plutonium–239 deposition in the skeleton of the mouse. Green D, et al. **Int J Radiat Biol** 34(1):27–36, Jul 78

Vitamin D dependence of a calcium–binding protein containing gamma–carboxyglutamic acid in chicken bone. Hauschka PV, et al. **J Biol Chem** 253(24):9063–8, 25 Dec 78

Dissociation between the effect of bovine growth hormone in articular cartilage and in bone of the adult dog. Mankin HJ, et al. **J Bone Joint Surg [Am]** 60(8):1071–5, Dec 78

The effects of varying oxygen tensions upon bone resorption in vitro. Gray DH, et al. **J Bone Joint Surg [Br]** 60–B(4):575–8, Nov 78

In vitro and in vivo studies with sodium pertechnetate and technetium–labelled methylene diphosphonate. Ashraf R, et al. **J Chromatogr** 146(3):527–32, 1 Nov 78

Colony–stimulating activity in serum and bone–conditioned medium of 89Sr marrow–ablated mice. Adler SS, et al. **J Lab Clin Med** 92(5):690–7, Nov 78

Studies on vitamin D (calciferol) and its analogues. 15. 24–Nor–1alpha,25–dihydroxyvitamin D3 and 24–nor–25–hydroxy–5,6–trans–vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

Synthesis, radiotechnetium labelling, and comparison of biologic behavior of longer–chain analogs of methylene diphosphonate. Wang TS, et al. **J Nucl Med** 19(10):1151–3, Oct 78

Evidence for the promotion of bone mineralization by 1alpha,25–dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec

78
Reduced serum 25-hydroxyvitamin D concentration and disordered mineral metabolism in patients with cystic fibrosis. Hahn TJ, et al. **J Pediatr** 94(1):38–42, Jan 79
Reduction of serum-1, 25-dihydroxyvitamin-D3 in children receiving glucocorticoids. Chesney RW, et al. **Lancet** 2(8100):1123–5, 25 Nov 78
Effects of Trisetum flavescens on calcium and phosphorus metabolism. Mechanism of its action studied through its interaction with diphosphonate. Ston J, et al. **Physiol Bohemoslov** 27(6):515–20, 1978
Construction and characterization of a 2.5-kilobase procollagen clone. Lehrach H, et al. **Proc Natl Acad Sci USA** 75(11):5417–21, Nov 78
Effect of magnesium deficiency on intestinal calcium transport in rats. Chou HF, et al. **Proc Soc Exp Biol Med** 159(2):171–5, Nov 78
Plutonium retention, excretion, and distribution in juvenile beagles soon after injection. Lloyd RD, et al. **Radiat Res** 75(3):633–41, Sep 78
Age and dosage-level dependence of radium retention in beagles. Parks NJ, et al. **Radiat Res** 75(3):617–32, Sep 78
Chronic familial hyperphosphatasemia. Iancu TC, et al. **Radiology** 129(3):669–76, Dec 78
Degree and course of skeletal demineralization in patients with chronic renal insufficiency. Madsen S, et al. **Scand J Urol Nephrol** 12(3):243–9, 1978
The synthesis and activity in vitro of 25-masked 1alpha-hydroxylated vitamin D3 analogs. Napoli JL, et al. **Steroids** 32(4):453–66, Nov 78
[Preliminary study of technetium calcitonin in rabbits and humans] Paulin R, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):246–51, 1978 (Eng. Abstr.) **(Fre)**
[Reciprocal relationship between bones, hematopoiesis and kidney with reference to sex hormoses. 2. Endocrine osteopathy and sex hormones] Schulz W. **Fortschr Med** 96(46):2329–35, 7 Dec 78 (Eng. Abstr.) **(Ger)**
[Mechanism of Ca and P transport in the bone] Igarashi M. **Nippon Rinsho** 36(10):3300–3, Oct 78 **(Jpn)**
[Thiazide-induced hypercalcemia (author's transl)] Koshikawa S, et al. **Nippon Rinsho** 36(10):3374–8, Oct 78 (35 ref.) **(Jpn)**
[Calcitonin and Ca and P metabolism] Morii H, et al. **Nippon Rinsho** 36(10):3324–9, Oct 78 (22 ref.) **(Jpn)**
[PTH and Ca and P metabolism] Nagata N. **Nippon Rinsho** 36(10):3314–8, Oct 78 **(Jpn)**
[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**
[Calcium metabolism after kidney transplantation] Rozental' RL, et al. **Ter Arkh** 50(11):80–4, 1978 (Eng. Abstr.) **(Rus)**
[Bone tumor macroelements] Proshin VV, et al. **Vopr Onkol** 24(10):55–8, 1978 (Eng. Abstr.) **(Rus)**
[The metabolism of vitamin D and its significance for bone and dental tissues] Holmberg I. **Odontol Foren Tidskr** 38(4):215–30, Dec 74 **(Swe)**

PATHOLOGY

Site of origin of 2,7-FAA-induced rat leukemia. Takayama S, et al. **Acta Pathol Jpn** 28(4):531–9, Jul 78
Histiocytosis X. III. Clinical value of serial biopsies. Frederiksen P, et al. **Acta Radiol Oncol Radiat Phys Biol** 17(5):362–8, 1978
Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Glorieux FH, et al. **Adv Exp Med Biol** 103:227–32, 1978
Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)
Synovial pathophysiology--diagnostic features and their standardisation. Vernon-Roberts B. **Aust NZ J Med** 8 Suppl 1:16–9, 1978
Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78
Fetal rat bone in organ culture: effect of bone growth and bone atrophy on the comparative losses of 45Ca and 3H-tetracycline. Chen TL, et al. **Calcif Tissue Res** 25(3):255–63, 18 Aug 78
Corticosteroid-induced avascular necrosis: an experimental study in rabbits. Gold EW, et al. **Clin Orthop** (135):272–80, Sep 78
Thymus and osteopetrosis. Milhaud G, et al. **Clin Orthop** (135):260–71, Sep 78 (63 ref.)
Bone density and the carpal tunnel syndrome. Schorn D, et al. **Hand** 10(2):184–6, Jun 78
A fixation-decalcification procedure for bone biopsies. Bussolati G. **Histopathology** 2(5):329–34, Sep 78
Histologic changes in Paget's disease treated with calcitonin. Fornasier VL, et al. **Hum Pathol** 9(4):455–61, Jul 78
Pathology of centenarians. III. Osseous system, malignant lesions, and causes of death. Ishii T, et al. **J Am Geriatr Soc** 26(12):529–33, Dec 78
Intra-articular implant of filamentous carbon fibre in the experimental animal. Minns RJ, et al. **J Bioeng** 2(3–4):279–86, Jun 78
Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78
Fracture healing in weight-bearing and nonweight-bearing bones. Connolly JF, et al. **J Trauma** 18(11):766–70, Nov 78
24, 25-dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78
Value of the bone biopsy in the diagnosis of industrial fluorosis. Baud CA, et al. **Virchows Arch [Pathol Anat]** 380(4):283–97, 4 Dec 78
[New radiological procedures as mirrored in the professional press] **Roentgenpraxis** 31(11):257–60, Nov 78 **(Ger)**
[Cadmium nephropathy--chornic cadmium poisoning, renal lesions in so-called 'Itai-itai' disease, and osteomalacia] Saito H, et al. **Nippon Rinsho** 36(10):3431–8, Oct 78 **(Jpn)**

PHYSIOLOGY

Mechanical properties and composition of cortical bone. Carter DR, et al. **Clin Orthop** (135):192–217, Sep 78 (123 ref.)
The influence of some vasoactive drugs on bone circulation. Tran MA, et al. **Eur J Pharmacol** 52(1):109–14, 1 Nov 78
Musculo-skeletal shock absorption: relative contribution of bone and soft tissues at various frequencies. Paul IL, et al. **J Biomech** 11(5):237–9, 1978
Healing of continuous-wave and rapid superpulsed, carbon dioxide, laser-induced bone defects. Clayman L, et al. **J Oral Surg** 36(12):932–7, Dec 78
Skeletal mass and body composition in marathon runners. Aloia JF, et al. **Metabolism** 27(12):1793–6, Dec 78
[Basic results of an experiment with mammals on the Kosmos-782 biosatellite] Gazenko OG, et al. **Kosm Biol Aviakosm Med** 12(6):43–9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Falls and femoral fractures [letter] Eddy TP. **Br Med J** 2(6142):955, 30 Sep 78
Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978
Internal bone remodeling induced by a medullary pin. Cowin SC, et al. **J Biomech** 11(5):269–75, 1978
Chemotactic responses of tumor cells to products of resorbing bone. Orr W, et al. **Science** 203(4376):176–9, 12 Jan 79
[Pathophysiology of drepanocytemia (author's transl)] Barabe P, et al. **Med Trop (Mars)** 38(2):141–50, Mar-Apr 78 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

A quantitative study of the structure of trabecular bone in man, rhesus monkey, beagle and miniature pig. Beddoe AH. **Calcif Tissue Res** 25(3):273–81, 18 Aug 78
Bone irradiation in thorotrast cases: results of measurements at IAEA. Dudley RA. **Health Phys** 35(1):103–12, Jul 78
Tissue dose in thorotrast patients. Kaul A, et al. **Health Phys** 35(1):113–21, Jul 78
Dose to endosteal cells and relative distribution factors for radium-224 and plutonium-239 compared to radium-226. Marshall JH, et al. **Health Phys** 35(1):91–101, Jul 78
Endosteal dose to thorotrast patients. Mays CW. **Health Phys** 35(1):123–5, Jul 78
The radioactive properties and biological behavior of 224Ra (ThX) and its daughters. Rundo J. **Health Phys** 35(1):13–20, Jul 78
Age and dosage-level dependence of radium retention in beagles. Parks NJ, et al. **Radiat Res** 75(3):617–32, Sep 78

RADIOGRAPHY

Compact bone mineral density of the normal human radius. Meema HE, et al. **Acta Radiol [Ther] (Stockh)** 17(4):342–52, 1978
Radiographic manifestations of Burkitt's lymphoma in American patients. Dunnick NR, et al. **AJR** 132(1):1–6, Jan 79
Role of radionuclide imaging in osteoid osteoma. Lisbona R, et al. **AJR** 132(1):77–80, Jan 79
Positioning errors in bone mineral measurement. Al Jarallah

MI, et al. **Br J Radiol** 51(610):821–2, Oct 78
Unusual bone scan presentation in osteomalacia: symmetrical uptake--a suggestive sign. Singh BN, et al. **Clin Nucl Med** 3(7):292–5, Jul 78
Skeletal maturation of children living in areas with a different contamination of the atmosphere. Pelech L. **Czech Med** 1(4):203–10, 1978
Chronic tenosynovitis of the posterior tibial tendon with new bone formation. Norris SH, et al. **J Bone Joint Surg [Br]** 60-B(4):523–6, Nov 78
The radiologist's opportunity to teach bone dynamics. Houston CS. **J Can Assoc Radiol** 29(4):232–8, Dec 78
Myelosclerosis in a cat. Flecknell PA, et al. **J Comp Pathol** 88(4):627–31, Oct 78
A severe form of metatropic dwarfism. Perri G. **Pediatr Radiol** 7(3):183–5, 26 Sep 78
Renal osteodystrophy in end-stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78
Degree and course of skeletal demineralization in patients with chronic renal insufficiency. Madsen S, et al. **Scand J Urol Nephrol** 12(3):243–9, 1978
[Cockayne's syndrome; a radiological entity: a report on two familial cases (author's transl)] Bensman A, et al. **J Radiol Electrol Med Nucl** 59(6–7):375–80, Jun–Jul 78 (Eng. Abstr.) **(Fre)**
[Radiological studies of injuries of the locomotor system (except skull and spine)] Plainfossé C, et al. **Rev Infirm** 28(9):797–804, Nov 78 **(Fre)**
[Osteoporosis] Femppel J. **Fortschr Med** 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**
[The position of scintigraphy in traumatology] Kaiser C, et al. **Helv Chir Acta** 45(4–5):575–9, Dec 78 (Eng. Abstr.) **(Ger)**
[Skeletal manifestations of primary and secondary hyperparathyroiditis. Differential radiological diagnostic problems] Melella A, et al. **Minerva Med** 69(52):3571–80, 31 Oct 78 (Eng. Abstr.) **(Ita)**
[Skeletal changes in neurofibromatosis] Gudmundsen TE. **Tidsskr Nor Laegeforen** 98(34–36):1758–60, 10 Dec 78 (Eng. Abstr.) **(Nor)**
[New classification of bone dysplasias based on histogenetic changes] Collado F. **Bol Med Hosp Infant Mex** 36(2):177–90, Mar–Apr 79 (Eng. Abstr.) **(Spa)**
[Ollier's dyschondromatosis] Dodríguez Cuartero A, et al. **Rev Esp Reum Enferm Osteoartic** 21(3):247–59, 1978 **(Spa)**

RADIONUCLIDE IMAGING

Visceral calcification and the CaXP product. Velentzas C, et al. **Adv Exp Med Biol** 103:195–201, 1978
Role of radionuclide imaging in osteoid osteoma. Lisbona R, et al. **AJR** 132(1):77–80, Jan 79
Resolution of muscle calcification in rhabdomyolysis and acute renal failure. Akmal M, et al. **Ann Intern Med** 89(6):928–30, Dec 78
Variables predictive of bone marrow metastasis. Chernow B, et al. **Cancer** 42(5):2373–8, Nov 78
Unilateral increased radioactivity in the lower extremities on routine 99mTc-pyrophosphate bone imaging. Manoli RS, et al. **Clin Nucl Med** 3(9):374–8, Sep 78
Liver metastases of oat cell carcinoma of lung detected on 99mTc-diphosphonate bone scan. Oren VO, et al. **Clin Nucl Med** 3(9):355–8, Sep 78
Unusual bone scan presentation in osteomalacia: symmetrical uptake--a suggestive sign. Singh BN, et al. **Clin Nucl Med** 3(7):292–5, Jul 78
Evaluation of liver and bone scanning in patients with early breast cancer, based on results obtained from more advanced cancer patients. Nomura Y, et al. **Eur J Cancer** 14(10):1129–36, Oct 78
In vitro interaction between 99Tcm-labeled pyrophosphate, 32P-labeled pyrophosphate and rat tissues. Rohlin M, et al. **Eur J Nucl Med** 3(4):249–55, 1978
Imaging characteristics of a small germanium camera. Kaufman L, et al. **Invest Radiol** 13(3):223–32, May–Jun 78
Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78
Quantitative evaluation of 99mTc-pyrophosphate muscle uptake in patients with inflammatory and noninflammatory muscle diseases. Bellina CR, et al. **J Nucl Med Allied Sci** 22(2):89–96, Apr–Jun 78
Chronic familial hyperphosphatasemia. Iancu TC, et al. **Radiology** 129(3):669–76, Dec 78
Metastatic calcification: the role of bone scanning. Venkatesh N, et al. **Radiology** 129(3):755–8, Dec 78
The medical use of gallium radionuclides: a brief history with some comments. Hayes RL. **Semin Nucl Med** 8(3):183–91, Jul 78
Treatment of advanced cancer of prostate with megestrol acetate. Geller J, et al. **Urology** 12(5):537–41, Nov 78
[Preliminary study of technetium calcitonin in rabbits and humans] Paulin R, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):246–51, 1978 (Eng. Abstr.) **(Fre)**
[Marrow scintigraphy in Paget's disease of bone (author's transl)] Mazières B, et al. **Nouv Presse Med** 7(33):2947–8, 30 Sep 78 (Eng. Abstr.) **(Fre)**
[The position of scintigraphy in traumatology] Kaiser C, et al. **Helv Chir Acta** 45(4–5):575–9, Dec 78 (Eng. Abstr.) **(Ger)**
[Radiotherapy of the prostate carinoma (author's transl)] von Rottkay P, et al. **Strahlentherapie** 154(12):820–9, Dec 78 (Eng. Abstr.) **(Ger)**
[Clinical evaluation of bone scintigraphy with 99mTc-labeled phosphate compounds. I. Metastatic bone tumor (author's transl)] Yamamoto I. **Nippon Igaku Hoshasen Gakkai Zasshi** 38(9):862–78, 25 Sep 78 (Eng. Abstr.) **(Jpn)**
[Bone scintigraphy in metabolic bone diseases (author's transl)] Senda K, et al. **Rinsho Hoshasen** 23(12):1421–2, Nov 78 **(Jpn)**
[Clinical staging of malignant lymphomas and its importance in the programming of the treatment and prognosis] Hansz J. **Pol Arch Med Wewn** 60(2):195–203, Aug 78 (57 ref.) **(Pol)**

SURGERY

Intra-articular implant of filamentous carbon fibre in the experimental animal. Minns RJ, et al. **J Bioeng** 2(3–4):279–86, Jun 78
Factors governing the mechanical behavior of the implant-porous coating--trabecular bone interface. Ducheyne P, et al. **J Biomech** 11(6–7):297–307, 1978
Healing of continuous-wave and rapid superpulsed, carbon dioxide, laser-induced bone defects. Clayman L, et al. **J Oral Surg** 36(12):932–7, Dec 78
Synthos--a bioceramic bone replacement material. Ferraro JW, et al. **Surg Forum** 28:537, 1977
An effective technique for bond enhancement at the bone-cement interface. Narten NC, et al. **Surg Forum** 28:505–6, 1977
[Preventive antibiotic therapy in orthopedic surgery] Vasey H. **Helv Chir Acta** 45(4–5):497–504, Dec 78 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Rib grafting in facial reconstruction: an experimental approach. Reichman JH, et al. **Surg Forum** 28:535–6, 1977

ULTRASTRUCTURE

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)
The morphology of bone mineral crystals. Jackson SA, et al. **Calcif Tissue Res** 25(3):217–22, 18 Aug 78
Ultrastructural localization of alkaline phosphatase in initial intramembranous osteogenesis. Bernard GW. **Clin Orthop** (135):218–25, Sep 78
[Characteristics of bone regeneration in distraction of bone fragments] Mikhailova LN, et al. **Arkh Patol** 40(8):50–6, 1978 (Eng. Abstr.) **(Rus)**

CALCIFICATION, PHYSIOLOGIC

The ultrastructural cytology and chemical composition of fracture callus cartilage. Jafri AM, et al. **Cytobios** 20(77):21–34, 1977
Characterization of Bacterionema matruchotii calcification nucleator. Ennever J, et al. **J Dent Res** 57(4):637–42, Apr 78
The lamina limitans of the organic bone matrix: formation in vitro. Scherft JP. **J Ultrastruct Res** 64(2):173–81, Aug 78
The effect of aflatoxin B1 on the utilization of cholecalciferol by chicks. Bird FH. **Poult Sci** 57(5):1293–6, Sep 78
Relation of vitamin D-dependent intestinal calcium-binding protein to calcium absorption during the ovulatory cycle in Japanese quail. Wasserman RH, et al. **Proc Soc Exp Biol Med** 159(2):286–7, Nov 78
Rib grafting in facial reconstruction: an experimental approach. Reichman JH, et al. **Surg Forum** 28:535–6, 1977
[Experimental studies of autograft with cancellous bone in the diaphysis of long bone (author's transl)] Saur K, et al. **Arch Orthop Trauma Surg** 92(2–3):211–9, 30 Aug 78 (Eng.

Abstr.) (Ger)

DRUG EFFECTS

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487-503, 1978 (52 ref.)

Evidence for the promotion of bone mineralization by 1alpha,25-dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899-906, Dec 78

CALCITONIN

Pharmaceutical review: new and recent products from the pharmaceutical companies in Australia. Martin S. **Lamp** 35(10):21-3, Oct 78

ADMINISTRATION & DOSAGE

Response of basal and pentagastrin-stimulated gastric secretion and of serum gastrin to short- and long-term intravenous infusion of salmon calcitonin in hyperchlorhydric subjects. Paul F, et al. **Scand J Gastroenterol** 13(8):959-67, 1978

ADVERSE EFFECTS

Symptomatic hypocalcemia following combined calcitonin and mithramycin therapy for hypercalcemia due to malignancy. Caro JF, et al. **Cancer Treat Rep** 62(10):1561-3, Oct 78

ANALYSIS

Heterogeneity of immunoreactive calcitonin in normal human thyroid. Jullienne A, et al. **Horm Metab Res** 10(5):456-7, Sep 78

BLOOD

Increased serum calcitonin in patients with mammary carcinoma. Olsen KJ, et al. **Acta Radiol [Ther] (Stockh)** 17(4):263-8, 1978

Parathyroid hormone and calcitonin in serum of patients with mammary carcinoma. Rasmusson B, et al. **Acta Radiol [Ther] (Stockh)** 17(4):269-76, 1978

Calcitonin, parathyroid hormone and insulin concentrations in sera from patients with gastrinoma. Cecchettin M, et al. **Adv Exp Med Biol** 106:117-9, 1978

The detection of elevated plasma levels of carcinoembryonic antigen in patients with suspected or established medullary thyroid carcinoma. Wells SA Jr, et al. **Cancer** 42(3 Suppl):1498-503, Sep 78

Magnesium and phosphate in the serum of patients with medullary carcinoma of the thyroid. Rasmusson B. **Clin Chim Acta** 89(2):279-83, 16 Oct 78

Effect of acute hypercalcemia on human esophageal motility. Danielides IC, et al. **Gastroenterology** 75(6):1115-9, Dec 78

Study of calcitonin heterogeneity using a radioreceptor assay. Becker KL, et al. **Horm Metab Res** 10(5):457-8, Sep 78

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105-53, 1978 (90 ref.)

Effect of long-term administration of epinephrine and propranolol on serum calcium, parathyroid hormone, and calcitonin in the rat. Harney AN, et al. **Proc Soc Exp Biol Med** 159(2):266-9, Nov 78

Effect of ethanol on parathryroid hormone and calcitonin secretion in man. Williams GA, et al. **Proc Soc Exp Biol Med** 159(2):187-91, Nov 78

Analysis of pentagastrin and calcium as thyrocalcitonin secretagogues in the early diagnosis of medullary carcinoma of the thyroid gland. Linehan WM, et al. **Surg Forum** 28:110-2, 1977

[Preliminary study of technetium calcitonin in rabbits and humans] Paulin R, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):246-51, 1978 (Eng. Abstr.) (Fre)

[Plasma thyrocalcitonin activity and calcium levels during muscular activity] Drzhevetskaia IA, et al. **Fiziol Zh SSSR** 64(10):1498-1500, Oct 78 (Rus)

DIAGNOSTIC USE

Response of basal and pentagastrin-stimulated gastric secretion and of serum gastrin to short- and long-term intravenous infusion of salmon calcitonin in hyperchlorhydric subjects. Paul F, et al. **Scand J Gastroenterol** 13(8):959-67, 1978

IMMUNOLOGY

Study of calcitonin heterogeneity using a radioreceptor assay. Becker KL, et al. **Horm Metab Res** 10(5):457-8, Sep 78

METABOLISM

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487-503, 1978 (52 ref.)

Characteristics of calcitonin degradation in vitro produced by incubation with procine thyroid tissue. Pento JT. **Mol Cell Endocrinol** 12(1):31-40, Oct 78

[Preliminary study of technetium calcitonin in rabbits and humans] Paulin R, et al. **Bull Soc Med Afr Noire Lang Fr** 23(3):246-51, 1978 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Endocrine regulation of plasma phosphate in sheep fetuses with catheters implanted in utero. Barlet JP, et al. **Adv Exp Med Biol** 103:243-56, 1978

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451-8, 1978 (16 ref.)

A possible role for 5-hydroxytryptamine as a mediator for calcitonin actions on the gastrointestinal tract and pancreas in rats. Nakhla AM, et al. **Biochem J** 176(1):339-42, 15 Oct 78

Effects of calcitonin on epidermal regeneration and collagen synthesis in rabbits with experimental wounds. Lupulescu A, et al. **Exp Pathol (Jena)** 16(1-6):291-302, 1978

Biosynthesis and degradation of matrix macromolecules of the arterial wall. Regulation by drug action. pp. 301-12. Robert AM, et al. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.**

Analysis of sodium fluoride enhancement of calcitonin stimulation of renal cortical adenylate cyclase. Queener SF, et al. **J Biol Chem** 253(24):9033-40, 25 Dec 78

Acute effects of salmon calcitonin on renal electrolyte excretion in intact, thyroparathyroidectomized and sulfacetylthiazole-induced uremic rats. Kawamura J, et al. **Nephron** 21(6):334-44, 1978

[Action of calcitonin, alone or combined triiodothyronine, on urinary calcium and phosphate levels during fasting] Asch L. **Nouv Presse Med** 7(35):3150, 14 Oct 78 (Fre)

PHYSIOLOGY

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11-9, 1978 (31 ref.)

Evidence for secretion of a calcium-lowering factor from the stomach. Shen K, et al. **Surg Forum** 28:392-4, 1977

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020-5, 23 Dec 78 (Dut)

[Calcitonin and Ca and P metabolism] Morii H, et al. **Nippon Rinsho** 36(10):3324-9, Oct 78 (22 ref.) (Jpn)

SECRETION

The effect of glucagon on the exocrine pancreas. A review. Schapiro H, et al. **Am J Gastroenterol** 70(3):274-81, Sep 78 (67 ref.)

Calcitonin secretion by a pancreatic somatostatinoma [letter] Galmiche JP, et al. **N Engl J Med** 299(22):1252, 30 Nov 78

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207-40, 1978 (109 ref.)

Effect of long-term administration of epinephrine and propranolol on serum calcium, parathyroid hormone, and calcitonin in the rat. Harney AN, et al. **Proc Soc Exp Biol Med** 159(2):266-9, Nov 78

Effect of ethanol on parathryroid hormone and calcitonin secretion in man. Williams GA, et al. **Proc Soc Exp Biol Med** 159(2):187-91, Nov 78

Analysis of pentagastrin and calcium as thyrocalcitonin secretagogues in the early diagnosis of medullary carcinoma of the thyroid gland. Linehan WM, et al. **Surg Forum** 28:110-2, 1977

[Calcitonin and Ca and P metabolism] Morii H, et al. **Nippon Rinsho** 36(10):3324-9, Oct 78 (22 ref.) (Jpn)

THERAPEUTIC USE

Symptomatic hypocalcemia following combined calcitonin and mithramycin therapy for hypercalcemia due to malignancy. Caro JF, et al. **Cancer Treat Rep** 62(10):1561–3, Oct 78

Histologic changes in Paget's disease treated with calcitonin. Fornasier VL, et al. **Hum Pathol** 9(4):455–61, Jul 78

[Treatment of severe hypercalcemia] Godin M, et al. **Rev Prat** 28(41):3133–4, 3137–8, 3141, 21 Sep 78 (Eng. Abstr.) **(Fre)**

[Calcitonin therapy] Ziegler R. **Dtsch Med Wochenschr** 103(47):1860–3, 24 Nov 78 **(Ger)**

[Hypercalcemia therapy in malignant tumors] Bruntsch U. **MMW** 121(1):16–8, 5 Jan 79 **(Ger)**

[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

URINE

Study of calcitonin heterogeneity using a radioreceptor assay. Becker KL, et al. **Horm Metab Res** 10(5):457–8, Sep 78

CALCIUM

METABOLISM

The effect of nifedipine on isolated human peripheral vessels. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 43(4):291–8, Oct 78

Different effects of the ionophore A-23187 and D-glucose on 45Ca2+ fluxes in isolated islets of ob/ob-mice. Tamarit-Rodriguez J. **Acta Physiol Scand** 103(4):379–83, Aug 78

Renal tubular transport of calcium: update. Agus ZS. **Adv Exp Med Biol** 103:37–49, 1978 (28 ref.)

Phosphorous depletion and vitamin D metabolism. Avioli LV. **Adv Exp Med Biol** 103:367–72, 1978 (25 ref.)

Effect of dietary phosphorus deprivation on renal handling of calcium and phosphorus. Beck N. **Adv Exp Med Biol** 103:401–4, 1978

Renal handling of magnesium. Dirks JH, et al. **Adv Exp Med Biol** 103:51–64, 1978 (40 ref.)

Low phosphorus intake and vitamin D metabolism and expression in rats. Edelstein S, et al. **Adv Exp Med Biol** 103:413–20, 1978

Mechanisms of lipomobilization. Fassina G. **Adv Exp Med Biol** 109:209–23, 1978 (73 ref.)

Outflux of 45calcium along the rat nephron. Greger R, et al. **Adv Exp Med Biol** 103:125–8, 1978 (19 ref.)

The effects of phosphate depletion on bone. Ivey JL, et al. **Adv Exp Med Biol** 103:373–80, 1978

Prostaglandins and divalent cation metabolism. Kirschenbaum MA, et al. **Adv Exp Med Biol** 103:283–97, 1978 (43 ref.)

The role of connective tissue in atherosclerosis. Kramsch DM. **Adv Exp Med Biol** 109:155–94, 1978 (125 ref.)

Phosphate depletion and adenine nucleotide metabolism in kidney and liver. Kurokawa K, et al. **Adv Exp Med Biol** 103:327–41, 1978

The biochemical indices of experimental phosphorus depletion (PD): a re-examination of their physiological implications. Lee DB, et al. **Adv Exp Med Biol** 103:381–94, 1978

A new diphosphonate: dissociation between effects on cells and mineral in rats and a preliminary trial in Paget's disease. Lemkes HH, et al. **Adv Exp Med Biol** 103:459–69, 1978

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)

Vitamin D-dependent phosphate transport by chick intestine: inhibition by low Na+ and N-ethylmaleimide. Peterlik M. **Adv Exp Med Biol** 103:149–59, 1978

Importance of 25-hydroxylation to the renal tubular actions of vitamin D metabolites. Puschett JB, et al. **Adv Exp Med Biol** 103:105–9, 1978

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

The hypocalcemia of magnesium depletion. Slatopolsky E, et al. **Adv Exp Med Biol** 103:263–71, 1978 (23 ref.)

Lipid-membrane interactions of platelets, coagulation and the arterial wall at the molecular level. Summary of workshop 2b: lipid-membrane interactions of platelets and coagulation with the arterial wall. Smith JB. **Adv Exp Med Biol** 104:343–9, 1978

Intestinal inorganic phosphate transport. Walling MW. **Adv Exp Med Biol** 103:131–47, 1978 (42 ref.)

Effect of a high protein (meat) intake on calcium metabolism in man. Spencer H, et al. **Am J Clin Nutr** 31(12):2167–80, Dec 78

Vitamin D dependence and aboral gradient of in vivo intestinal calcium transport in the rat. Petith MM, et al. **Am J Dig Dis** 23(10):943–7, Oct 78

Calcium and sodium transport by the distal convoluted tubule of the rat. Costanzo LS, et al. **Am J Physiol** 235(5):F492–506, Nov 78

The structure and function of the myocardial cell surface. Langer GA. **Am J Physiol** 235(5):H461–8, Nov 78

Na-K pump and Na-K-ATPase: disparity of their temperature sensitivity. Willis JS, et al. **Am J Physiol** 235(5):C159–67, Nov 78

Inhibition of calcium absorption in ponies fed diets containing oxalic acid. Swartzman JA, et al. **Am J Vet Res** 39(10):1621–3, Oct 78

Calcification of axons in experimental spinal cord trauma. Balentine JD, et al. **Ann Neurol** 2(6):520–3, Dec 77

Calcium-45 uptake by shell gland, oviduct, plasma and eggshell of DDT-dosed ducks and chickens. Davison KL. **Arch Environ Contam Toxicol** 7(3):359–67, 1978

Calcium uptake and survival of Bacillus stearothermophilus. Ståhl S. **Arch Microbiol** 119(1):17–24, 4 Oct 78

The influence of oestrogen on bone metabolism. Langeland N. **Arch Orthop Trauma Surg** 92(2–3):149–52, 30 Aug 78

Calcium balance in paraplegic patients: influence of injury duration and ambulation. Kaplan PE, et al. **Arch Phys Med Rehabil** 59(10):447–50, Oct 78

Chondrocalcinosis and other crystal induced arthropathies. Milazzo SC. **Aust NZ J Med** 8 Suppl 1:152–4, 1978

Parathyroid hormone induced stimulation of calcium uptake by renal microsomes. Harada E, et al. **Biochem Biophys Res Commun** 84(2):396–402, 29 Sep 78

On the existence of two populations of mitochondria in a single organ. Respiration, calcium transport and enzyme activities. Matlib MA, et al. **Biochem Biophys Res Commun** 84(2):482–8, 29 Sep 78

Temperature effects on the kinetics of calcium transport by cardiac mitochondria. Williams AJ, et al. **Biochem Biophys Res Commun** 84(1):89–94, 14 Sep 78

Submitochondrial location of ruthenium red-sensitive calcium-ion transport and evidence for its enrichment in a specific population of rat liver mitochondria. Bygrave FL, et al. **Biochem J** 174(3):1011–9, 15 Sep 78

Inability of tributyltin-induced chloride/hydroxyl exchange to stimulate calcium transport in mitochondria isolated from flight muscle of the sheep blowfly Lucilia cuprina. Bygrave FL, et al. **Biochem J** 174(3):1075–7, 15 Sep 78

The subcellular location, maturation and response to increased plasma glucagon of ruthenium red-insensitive calcium-ion transport in rat liver. Bygrave FL, et al. **Biochem J** 174(3):1021–30, 15 Sep 78

Inhibition by calcium ions of adenosine cyclic monophosphate formation in sealed pigeon erythrocyte 'ghosts'. A study using the photoprotein obelin. Campbell AK, et al. **Biochem J** 176(1):53–66, 15 Oct 78

Calcium accumulation during sporulation of Bacillus megaterium KM. Hogarth C, et al. **Biochem J** 176(1):197–203, 15 Oct 78

Effects of glucagon and N6O2'-dibutyryladenosine 3':5'-cyclic monophosphate on calcium transport in isolated rat liver mitochondria. Hughes BP, et al. **Biochem J** 176(1):295–304, 15 Oct 78

The role of calcium ions in the regulation of rat thymocyte pyruvate oxidation by mitogens. Hume DA, et al. **Biochem J** 174(3):711–6, 15 Sep 78

Differentiation of the changes in alkaline phosphatase from calcium ion-activated adenosine triphosphatase activities associated with increased calcium absorption in chick intestine. Lane SM, et al. **Biochem J** 174(3):1067–70, 15 Sep 78

Membrane proteins in human erythrocytes during cell fusion induced by oleoylglycerol. Quirk SJ, et al. **Biochem J** 176(1):159–67, 15 Oct 78

The stimulus-secretion coupling of glucose-induced insulin release. Effect of exogenous pyruvate on islet function. Sener A, et al. **Biochem J** 176(1):217–32, 15 Oct 78

Functional involvement of carbonic anhydrase in calcium transport of the chick chorioallantoic membrane. Tuan RS, et al. **Biochem J** 176(1):67–74, 15 Oct 78

Influence of some divalent cations on heart sarcolemmal bound enzymes and calcium binding. Harrow JA, et al. **Biochem Pharmacol** 27(22):2605–9, 1978

Effect of vasoactive intestinal peptide (VIP) and other peptides on cAMP accumulation in rat brain. Quik M, et al. **Biochem Pharmacol** 27(18):2209–13, 1978

Dual effect of 2,4-dinitrophenol on the spontaneous release of transmitter at the frog neuromuscular junction. Statham HE, et al. **Biochem Pharmacol** 27(18):2199–202, 1978

Protein analysis of cardiac sarcolemma: effects of membrane-perturbing agents on membrane proteins and calcium transport. St Louis PJ, et al. **Biochemistry** 17(21):4540–50, 17 Oct 78

Free-calcium and tension responses in single barnacle muscle fibres following the application of L-glutamate. Ashley CC, et al. **Biochim Biophys Acta** 512(2):429–35, 22 Sep 78

The phospholipid headgroup specificity of an ATP-dependent calcium pump. Bennett JP, et al. **Biochim Biophys Acta** 513(3):310–20, 16 Nov 78

High affinity calcium binding peptides from the gills, gut and kidneys of the freshwater eel (Anguilla anguilla). Hearn PR, et al. **Biochim Biophys Acta** 536(2):429–32, 23 Oct 78

Control of the Ca2+-triggered bioluminescence of Veretillum cynomorium lumisomes. Henry JP, et al. **Biochim Biophys Acta** 504(1):40–59, 11 Oct 78

Calcium and photosynthetic oxygen evolution in cyanobacteria. Piccioni RG, et al. **Biochim Biophys Acta** 504(3):384–97, 7 Dec 78

Surface analysis and depth profiles of calcium in hepatoma cells during pyruvate-induced DNA synthesis. Pickart L, et al. **Biochim Biophys Acta** 544(1):138–43, 15 Nov 78

Role of calcium in exocrine pancreatic secretion. IV. Calcium movements in isolated acinar cells of rabbit pancreas. Renckens BA, et al. **Biochim Biophys Acta** 544(2):338–50, 1 Dec 78

Effect of magnesium on calcium efflux in dialyzed squid axon. Requena J. **Biochim Biophys Acta** 512(2):452–8, 22 Sep 78

Studies on the heterogeneity of sarcoplasmic reticulum vesicles. Sarzala MG, et al. **Biochim Biophys Acta** 513(2):221–35, 2 Nov 78

Effects of adenosine 3' : 5'-monophosphate and guanosine 3' : 5'-monophosphate on calcium uptake and phosphorylation in membrane fractions of vascular smooth muscle. Thorens S, et al. **Biochim Biophys Acta** 512(2):415–28, 22 Sep 78

A constant-volume ultrafiltration technique for the calculation of equilbrium binding data. Williamson BW, et al. **Biochim Biophys Acta** 543(3):397–402, 18 Oct 78

The problem of acute myocardial insufficiency. Butler M. **Br J Hosp Med** 20(3):228–31, Sep 78

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78

The effect of dietary protein intake on calcium metabolism of the pregnant ewe. Braithwaite GD. **Br J Nutr** 40(3):505–7, Nov 78

Effect of 24,25-dihydroxycholecalciferol on calcium absorption in proximal small intestine in uraemia. Szymendera J, et al. **Br Med J** 2(6150):1465–6, 25 Nov 78

Fetal rat bone in organ culture: effect of bone growth and bone atrophy on the comparative losses of 45Ca and 3H-tetracycline. Chen TL, et al. **Calcif Tissue Res** 25(3):255–63, 18 Aug 78

Selective stimulation of net calcium efflux from chick embryo tibiae by parathyroid hormone in vitro. Ramp WK, et al. **Calcif Tissue Res** 25(3):227–32, 18 Aug 78

A remarkable elevation of serum calcium concentration induced by ligation of bile duct. Yamaguchi M, et al. **Chem Pharm Bull (Tokyo)** 26(8):2568–71, Aug 78

Staircase in frog ventricular muscle. Its dependence on membrane excitation and extracellular ionic composition. Chesnais JM, et al. **Circ Res** 43(6):917–25, Dec 78

Calcium, strontium, and barium movements during ischemia and reperfusion in rabbit ventricle. Implications for myocardial preservation. Shine KI, et al. **Circ Res** 43(5):712–20, Nov 78

Contractures and increase in internal longitudianl resistance of cow ventricular muscle induced by hypoxia. Wojtczak J. **Circ Res** 44(1):88–95, Jan 79

Cardiac metabolsim: its contributions to alcoholic heart disease and myocardial failure. Bing RJ. **Circulation** 58(6):965–70, Dec 78 (81 ref.)

The in vitro production and activity of 24, 25-dihydroxycholecalciferol in cartilage and calvarium. Garabedian M, et al. **Clin Orthop** (135):241–8, Sep 78

Short-term effects of varying doses of 1 alpha-hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Lindholm TS, et al. **Clin Orthop** (135):226–31, Sep 78

Interim report on treatment of osteoporotic patients with 1 alpha-hydroxyvitamin D3 and calcium. Lindholm TS, et al. **Clin Orthop** (135):232–40, Sep 78

Parathion- and DDT-induced effects on tension and calcium transport in molluscan visceral muscle. Huddart H. **Comp Biochem Physiol [C]** 61C(1):1–6, 1978

Calcium binding to electroplax membranes from Electrophorus electricus. Oliveira MM, et al. **Comp Biochem Physiol [C]** 61C(1):17–22, 1978

Influence of the extracellular and intracellular redox state on ionic fluxes through the membranes of D-type nerve cells of Lymnea stagnalis. Puppi A, et al. **Comp Biochem Physiol [C]** 61C(1):7–14, 1978

Accumulation and effects of trace metal ions in fish liver mitochondria. Zaba BN, et al. **Comp Biochem Physiol [C]** 61C(1):57–66, 1978

Erythrocyte membrane (Na+, K+) and (Mg++, Ca++) activated adenosine triphosphatases in women using oral contraceptives--a preliminary report. Kaplay SS, et al. **Contraception** 18(3):287–93, Sep 78

Regulation of the vitamin D endocrine system located in the kidney. DeLuca HF. **Contrib Nephrol** 13:81–95, 1978

Effect of vitamin D metabolites on calcium and phosphate metabolism. Fleisch H, et al. **Contrib Nephrol** 13:96–103, 1978

Current concepts of renal proximal tubular function. Kinne R. **Contrib Nephrol** 14:14–24, 1978

The phosphate-depletion syndrome. Kreusser W, et al. **Contrib Nephrol** 14:162–74, 1978

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Alloxan stimulation and inhibition of insulin release from isolated rat islets of Langerhans. Weaver DC, et al. **Diabetes** 27(12):1205–14, Dec 78

Dual action of mn++ upon the secretion of insulin and glucagon from the isolated, perfused canine pancreas. Possible interactions with ca++. Hermansen K, et al. **Diabetologia** 15(6):475–9, Dec 78

Increased sensitivity of bone to parathyroid hormone in castrated mice. Broulík PD, et al. **Endocrinol Exp (Bratisl)** 12(3):187–92, Sep 78

Characteristics of the active transport of Ca2+ by submitochondrial vesicles. Niggli V, et al. **Eur J Biochem** 89(2):361–6, 1 Sep 78

The interaction of caerulein with the rat pancreas. 3. Structural requirements for in vitro binding of caerulein-like peptides and its relationship to increased calcium outflux, adenylate cyclase activation, and secretion. Robberecht P, et al. **Eur J Biochem** 91(1):39–48, 2 Nov 78

The effects of HGCl2 and mersalyl on mechanisms regulating intracellular calcium and transmitter release. Binah O, et al. **Eur J Pharmacol** 51(4):453–7, 15 Oct 78

Collagenase isolation and 45Ca efflux studies of human islets of Langerhans. Henriksson C, et al. **Eur Surg Res** 10(5):343–51, 1978

Experiments on the mechanism of the inhibition of mitochondrial Ca2+ transport by La3+ and ruthenium red. Niggli V, et al. **Experientia** 34(7):1136–7, 15 Sep 78

Charge transfer during valinomycin-induced Ca2+ uptake in rat liver mitochondria. Akerman KE. **FEBS Lett** 93(2):293–6, 15 Sep 78

Calcium movements in skeletal muscle mitochondria of malignant hyperthermic pigs. Cheah KS, et al. **FEBS Lett** 95(2):307–10, 15 Nov 78

Enrichment of ruthenium red-sensitive Ca2+ transport in a population of heavy mitochondria isolated from flight-muscle of Lucilia cuprina. Further evidence for its heterogeneous distribution in the inner mitochondrial membrane. Smith RL, et al. **FEBS Lett** 95(2):303–6, 15 Nov 78

Vitamin D dependence of in vivo calcium transport and mucosal calcium binding protein in rat large intestine. Petith MM, et al. **Gastroenterology** 76(1):99–104, Jan 79

Effects of phosphate deprivation on carbohydrate metabolism. Marshall WP, et al. **Horm Metab Res** 10(5):369–73, Sep 78

General comments: ionic currents underlying spontaneous rhythm of the cardiac primary pacemaker cells. pp. 368–75. Irisawa H.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.

On the possible mechanism underlying spontaneous pacemaking. pp. 357–67. Pollack GH.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.

Blood platelets and biogenic monoamines: biochemical, pharmacological, and morphological studies. pp. 331–53. Da Prada M, et al.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (41 ref.)

The reversibility of the human atherosclerotic plaque. pp. 73–80. Thomas WA, et al.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.

Calcium content and distribution in the normal human lens and in senile cataract. pp. 239–46. Bracchi PG, et al.
In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.

Cerebral glutamate-glutamine interrelations in vivo and in

vitro. pp. 153–62. Quastel JH.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.

Changes in calcium precipitation & electromigratory pattern of sarcoplasmic proteins in denervation atrophy of amphibian gastrocnemius muscle. Narayanareddy K, et al. **Indian J Biochem Biophys** 15(1):71–3, Feb 78

A study of serum and cerebrospinal fluid magnesium in cases of encephalitis. Ahmad SH, et al. **Indian Pediatr** 15(7):573–6, Jul 78

Effect of glucagon on calcium binding by rat liver plasma membranes. Hughes WA, et al. **Int J Biochem** 9(10):751–5, 1978

Alveolar atrophy and decreased skeletal mass of the radius. Rosenquist JB, et al. **Int J Oral Surg** 7(5):479–81, Oct 78

Studies on the ionophorous antibiotics. XVI. The ionophore-mediated calcium transport and concomitant osmotic swelling of mitochondria. Mitani M, et al. **J Antibiot (Tokyo)** 31(9):888–93, Sep 78

Study on calcium transport by sarcoplasmic reticulum vesicles using fluorescence probes. Ueno T, et al. **J Biochem (Tokyo)** 84(4):787–94, Oct 78

Vitamin D dependence of a calcium-binding protein containing gamma-carboxyglutamic acid in chicken bone. Hauschka PV, et al. **J Biol Chem** 253(24):9063–8, 25 Dec 78

Transient kinetics of Ca2+ transport of sarcoplasmic reticulum. A comparison of cardiac and skeletal muscle. Sumida M, et al. **J Biol Chem** 253(24):8772–7, 25 Dec 78

Fast-kinetic evidence for an activating effect of ATP on the Ca2+ transport of sarcoplasmic reticulum ATPase. Verjovski-Almeida S, et al. **J Biol Chem** 254(1):18–21, 10 Jan 79

Ultrastructural and physiological studies on the longitudinal body wall muscle of Dolabella auricularia. I. Mechanical response and ultrastructure. Sugi H, et al. **J Cell Biol** 79(2 Pt 1):454–66, Nov 78

Ultrastructural and physiological studies on the longitudinal body wall muscle of Dolabella auricularia. II. Localization of intracellular calcium and its translocation during mechanical activity. Suzuki S, et al. **J Cell Biol** 79(2 Pt 1):467–78, Nov 78

Morphological and biochemical correlates of skeletal muscle contractility in the cat. II. Physiological and biochemical studies. Van Winkle WB, et al. **J Cell Physiol** 97(1):121–35, Oct 78

Interrelationships among thiazide diuretics and calcium, magnesium, sodium, and potassium balance in normal and hypertensive man. Sullivan JM, et al. **J Clin Pharmacol** 18(11–12):530–43, Nov–Dec 78

A micropuncture study of the handling of calcium by the rat parotid. Mangos JA, et al. **J Dent Res** 57(7–8):818–25, Jul–Aug 78

Effect of low phosphorus diets on intestinal calcium absorption and the concentration of calcium-binding protein in intact and parathyroidectomized pigs. Fox J, et al. **J Endocrinol** 78(3):379–87, Sep 78

Cilioexcitatory and cilioinhibitory processes initiated by light on two identifiable neuronal pigments in Mytilus edulis. Paparo AA, et al. **J Exp Biol** 76:47–61, Oct 78

Calcium efflux from squid axons under constant sodium electrochemical gradient. Requena J. **J Gen Physiol** 72(4):443–70, Oct 78

B lymphocyte expression of a recognition locus for human monocytes and macrophages. Guerry D 4th, et al. **J Immunol** 121(6):2446–52, Dec 78

Differences in kinetic parameters of lysis by syngeneic and allogeneic T lymphocytes immune to the same tumor. Huber SA, et al. **J Immunol** 121(6):2270–7, Dec 78

Mechanisms of action of 'lymphocyte-activating factor' (LAF). III. Evidence that LAF acts on stimulated lymphocytes by raising cyclic GMP in G1. Katz SP, et al. **J Immunol** 121(6):2386–91, Dec 78

Recognition by cytolytic T and K cells: identification in both systems of a divalent cation-independent, cytochalasin A-sensitive step. MacLennan IC, et al. **J Immunol** 121(6):2542–6, Dec 78

Studies on vitamin D (calciferol) and its analogues. 15. 24-Nor-1alpha,25-dihydroxyvitamin D3 and 24-nor-25-hydroxy-5,6-trans-vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

Effect of a toxic in vivo dose of ouabain on guinea-pig heart mitochondria. Gervais A, et al. **J Mol Cell Cardiol** 10(11):1003–15, Nov 78

Evidence for the promotion of bone mineralization by 1alpha,25-dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec 78

The sources of calcium for acetylcholine-induced contractions of dog tracheal smooth muscle. Farley JM, et al. **J Pharmacol Exp Ther** 207(2):340–6, Nov 78

Effects of norepinephrine, dopamine and potassium on tension and 45Ca fluxes in canine and rabbit renal arteries. Hester RK, et al. **J Pharmacol Exp Ther** 207(2):364–71, Nov 78

The effects of verapamil and lidocaine on the automatic depolarizations in guinea-pig ventricular myocardium. Imanishi S, et al. **J Pharmacol Exp Ther** 207(2):294–303, Nov 78

Dithiothreitol-induced alterations of blood pressure, vascular reactivity and aortic microsomal calcium uptake in spontaneously hypertensive rats. Mushlin PS, et al. **J Pharmacol Exp Ther** 207(2):331–9, Nov 78

Calcium fluxes in single muscle fibres measured with a glass scintillator probe. Ashley CC, et al. **J Physiol (Lond)** 282:307–31, Sep 78

Intracellular free Ca increased by lowering pH [proceedings] Ashley CC, et al. **J Physiol (Lond)** 282:21P–22P, Sep 78

The effect of sodium, calcium and metabolic inhibitors on calcium efflux from goldfish heart ventricles. Busselen P, et al. **J Physiol (Lond)** 282:263–83, Sep 78

Regulation of calcium fluxes in pancreatic islets: dissociation between calcium and insulin release. Herchuelz A, et al. **J Physiol (Lond)** 283:409–24, Oct 78

Role of membrane-bound calcium in taste reception of the frog. Kamo N, et al. **J Physiol (Lond)** 282:115–29, Sep 78

Role and regulation of glucose metabolism in proliferating cells. Hume DA, et al. **JNCI** 62(1):3–8, Jan 79 (61 ref.)

Renin 1978. Peart WS. **Johns Hopkins Med J** 143(6):193–206, Dec 78 (161 ref.)

Selective inhibition of potassium contracture in guinea pig taenia coli by ruthenium red. Kawamura M, et al. **Jpn J Physiol** 28(4):447–60, 1978

Renal response to phosphorus deprivation in the isolated rat kidney. Steele TH, et al. **Kidney Int** 13(2):124–8, Feb 78

Effects of ionophore A23187 on in vitro rat adrenal corticosterone production. Lymangrover JR, et al. **Life Sci** 23(11):1193–9, 18 Sep 78

Calcium and cancer. Mundy GR. **Life Sci** 23(17–18):1735–44, 30 Oct 78 (66 ref.)

The interaction of 1,25-dihydroxyvitamin D3 with its intestinal mucosa receptor: kinetic parameters and structural requirements. Putkey JA, et al. **Lipids** 13(10):723–9, Oct 78

The calcemic and phosphaturic effects of parathyroid hormone in the normal and uremic dog. Kaplan MA, et al. **Metabolism** 27(12):1785–92, Dec 78

Effect of thyroidectomy on intracellular amount and distribution of exchangeable Ca2+ in isolated rat liver cells. Rosenqvist U. **Mol Cell Endocrinol** 12(1):111–7, Oct 78

Hereditary renal hypouricemia: heterogeneity of tubular abnormality. Sperling O, et al. **Monogr Hum Genet** 10:122–6, 1978

Influence of ATP and calcium on the cortical reaction in sea urchin eggs. Baker PF, et al. **Nature** 276(5687):513–5, 30 Nov 78

A benzodiazepine derivative and praziquantel: effects on musculature of Schistosoma mansoni and Schistosoma japonicum. Pax R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 304(3):309–15, 16 Oct 78

Growth in renal failure. Mehls O, et al. **Nephron** 21(5):237–47, 1978 (73 ref.)

Can neuronal smooth endoplasmic reticulum function as a calcium reservoir? Duce IR, et al. **Neuroscience** 3(9):837–48, 1978

Calcium movement in the process of isotonic K-induced contracture of guinea pig taenia coli. Miyazaki E, et al. **Nippon Heikatsukin Gakkai Zasshi** 14 Suppl:13–4, Feb 78

Calcium and sodium transport processes in patients with cystic fibrosis. I. A specific decrease in Mg2+-dependent, Ca2+-adenosine triphosphatase activity in erythrocyte membranes from cystic fibrosis patients. Katz S. **Pediatr Res** 12(11):1033–8, Nov 78

American Academy of Pediatrics. Committee on Nutrition. Calcium requirements in infancy and childhood. **Pediatrics** 62(5):826–34, Nov 78 (36 ref.)

Maximal reabsorptive capacity for inorganic phosphate (TmPi) in the absence of parathyroid hormone in the rat: decrease of the TmPi during prolonged administration of phosphate and the role of calcium. Frick A, et al. **Pfluegers Arch** 377(1):9–14, 18 Oct 78

Effects of Trisetum flavescens on calcium and phosphorus metabolism. Mechanism of its action studied through its interaction with diphosphonate. Ston J, et al. **Physiol Bohemoslov** 27(6):515–20, 1978

The role of increased Ca++ influx as a possible additional adaptive mechanism in experimental left ventricular hypertrophy (exp LVH). Arsenescu G, et al. **Physiologie** 15(3):157–60, Jul–Sep 78

Stoichiometry of vectorial H+ movements coupled to

electron transport and to ATP synthesis in mitochondria. Alexandre A, et al. **Proc Natl Acad Sci USA** 75(11):5296–300, Nov 78

Effect of magnesium deficiency on intestinal calcium transport in rats. Chou HF, et al. **Proc Soc Exp Biol Med** 159(2):171–5, Nov 78

Effects of indomethacin and tolmetin on furosemide-induced changes in renin release. Noordewier B, et al. **Proc Soc Exp Biol Med** 159(2):180–3, Nov 78

Relation of vitamin D-dependent intestinal calcium-binding protein to calcium absorption during the ovulatory cycle in Japanese quail. Wasserman RH, et al. **Proc Soc Exp Biol Med** 159(2):286–7, Nov 78

Structural determinants of the renal tubular activity of vitamin D(3) derivatives: studies with 1 alpha-hydroxy, 24R,25-dihydroxy, and a 1 alpha, 24R,25-trihydroxy vitamin D(3). Winaver J, et al. **Proc Soc Exp Biol Med** 159(2):204–9, Nov 78

Platelet contractile proteins. Adelstein RS, et al. **Prog Hemost Thromb** 4:37–58, 1978 (89 ref.)

Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Gerrard JM, et al. **Prog Hemost Thromb** 4:87–125, 1978 (171 ref.)

Prothrombin. Shapiro SS, et al. **Prog Hemost Thromb** 4:177–209, 1978 (184 ref.)

Prostaglandin F2alpha (PGF2alpha)-induced contraction and calcium movement in longitudinal muscle of guinea-pig isolated stomach. Ishizawa M, et al. **Prostaglandins** 16(4):591–7, Oct 78

Age and dosage-level dependence of radium retention in beagles. Parks NJ, et al. **Radiat Res** 75(3):617–32, Sep 78

Studies on osteoporosis I. Experimental models. Effect of age, sex, genetic background, diet, steroid and heparin treatment on calcium metabolism of mice. Ambrus JL Jr, et al. **Res Commun Chem Pathol Pharmacol** 22(1):3–14, Oct 78

Effects of methyltestosterone and oophorectomy in acute experimental mediocalcinosis in the rat. Hodara MA, et al. **Rev Bras Pesqui Med Biol** 11(4–5):237–40, Oct 78

Calcium entry leads to inactivation of calcium channel in Paramecium. Brehm P, et al. **Science** 202(4373):1203–6, 15 Dec 78

Synaptic phosphoproteins: specific changes after repetitive stimulation of the hippocampal slice. Browning M, et al. **Science** 203(4375):60–2, 5 Jan 79

Endoplasmic reticulum sequesters calcium in the squid giant axon. Henkart MP, et al. **Science** 202(4374):1300–3, 22 Dec 78

Intracellular calcium: its release from granules during bursting activity in snail neurons. Sugaya E, et al. **Science** 202(4373):1195–7, 15 Dec 78

The synthesis and activity in vitro of 25-masked 1alpha-hydroxylated vitamin D3 analogs. Napoli JL, et al. **Steroids** 32(4):453–66, Nov 78

Effects of changes in calcium concentration during postischemic reperfusion on ventricular function and myocardial edema and metabolism. Bixler TJ, et al. **Surg Forum** 28:277–8, 1977

Effects of cardioplegia produced by calcium flux inhibition. Lowe JE, et al. **Surg Forum** 28:279–80, 1977

Effect of parenteral amino acid solution administration on calcium balance following trauma. Schenk WG 3d, et al. **Surg Forum** 28:73–5, 1977

Enhancement of chlorcyclizine teratogenicity in the rat by coadministration of calcium chelating agents. Wilk AL, et al. **Teratology** 18(2):193–8, Oct 78

Influence of water-borne and dietary calcium on uptake and retention of lead by coho salmon (Oncorhynchus kisutch). Varanasi U, et al. **Toxicol Appl Pharmacol** 46(1):65–75, Oct 78

Toxicities of sea anemone (Anemonia sulcata) polypeptides in mammals. Alsen C, et al. **Toxicon** 16(6):561–6, 1978

Hypercalcemia associated with parathyroid hyperfunction and malignancy. Lima JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 31(2):200–4, Fall 78

[The effect of low-calcium diet on intestinal absorption of calcium in chickens (author's transl)] Blahoš J, et al. **Circ Shock** 117(34):1050–3, 25 Aug 78 (Eng. Abstr.)**(Cze)**

[Isotope studies in idiopathic hypercalciuria] Kocián J. **Vnitr Lek** 24(11):1077–81, Nov 78 (Eng. Abstr.) **(Cze)**

[Idiopathic hypercalciuria--its pitfalls and therapy] Kocián J. **Vnitr Lek** 24(11):1070–6, Nov 78 (Eng. Abstr.) **(Cze)**

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**

[Special aspects of fracture healing in cranio-cerebral injuries] Heuwinkel R, et al. **Helv Chir Acta** 45(4–5):581–5, Dec 78 (Eng. Abstr.) **(Ger)**

[Calcium and phosphate metabolism in hemofiltration (author's transl)] Fuchs C, et al. **Klin Wochenschr** 56(23):1163–9, 1 Dec 78 (Eng. Abstr.) **(Ger)**

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

[The penetration of Ca-ions in dental enamel during its remineralization] Knappwost A, et al. **Naturwissenschaften** 65(8):436, Aug 78 **(Ger)**

[Calcium antagonists in cardiologic therapy] Ripa R. **Minerva Cardioangiol** 26(11):757–9, Nov 78 **(Ita)**

[Calcium antagonists in cardiologic therapy] Ripa R. **Minerva Med** 69(48):3323–5, 13 Oct 78 **(Ita)**

[The effect of 1alpha-hydroxycholecalciferol on the abnormal calcium metabolism in hemodialysis patients.--Studies on patients showing low serum calcium and high alkaline phosphatase (author's transl)] Asai K, et al. **Nippon Jinzo Gakkai Shi** 20(9):967–77, Sep 78 (Eng. Abstr.) **(Jpn)**

[Serum iPTH concentration in chronic renal failure and its relationship to calcium metabolism (author's transl)] Asano Y, et al. **Nippon Jinzo Gakkai Shi** 20(7):747–57, Jul 78 (Eng. Abstr.) **(Jpn)**

[The effect of hydrocortisone and calcium ion on the catecholamine release from the adrenal medullary slice (author's transl)] Nagai T. **Nippon Naibunpi Gakkai Zasshi** 54(11):1271–80, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Mechanism of transport of Ca and P in the kidney] Fujimoto M, et al. **Nippon Rinsho** 36(10):3304–13, Oct 78 (45 ref.) **(Jpn)**

[Ca and P metabolism and its control: introduction] Fujita T. **Nippon Rinsho** 36(10):3288–91, Oct 78 **(Jpn)**

[Mechanism of intestinal absorption of calcium (Ca2+) and phosphorus (P)] Hoshi T. **Nippon Rinsho** 36(10):3292–9, Oct 78 (23 ref.) **(Jpn)**

[Malabsorption syndrome] Hosoda S, et al. **Nippon Rinsho** 36(10):3421–5, Oct 78 **(Jpn)**

[Mechanism of Ca and P transport in the bone] Igarashi M. **Nippon Rinsho** 36(10):3300–3, Oct 78 **(Jpn)**

[Tissue distribution and turnover of Ca and P] Kinouchi T. **Nippon Rinsho** 36(10):3330–6, Oct 78 **(Jpn)**

[Bartter's syndrome] Kono T, et al. **Nippon Rinsho** 36(10):3417–20, Oct 78 **(Jpn)**

[Thiazide-induced hypercalcemia (author's transl)] Koshikawa S, et al. **Nippon Rinsho** 36(10):3374–8, Oct 78 (35 ref.) **(Jpn)**

[Calcitonin and Ca and P metabolism] Morii H, et al. **Nippon Rinsho** 36(10):3324–9, Oct 78 (22 ref.) **(Jpn)**

[Calcium metabolism disorder in sarcoidosis] Morii H, et al. **Nippon Rinsho** 36(10):3398–403, Oct 78 **(Jpn)**

[PTH and Ca and P metabolism] Nagata N. **Nippon Rinsho** 36(10):3314–8, Oct 78 **(Jpn)**

[Fanconi syndrome and related diseases--their etiological mechanisms] Orita Y, et al. **Nippon Rinsho** 36(10):3404–8, Oct 78 **(Jpn)**

[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**

[Renal tubular acidosis (author's transl)] Takamitsu Y, et al. **Nippon Rinsho** 36(10):3409–12, Oct 78 **(Jpn)**

[Regulation of functions of myosin and actomyosin from smooth muscle (part 2) (author's transl)] Watanabe S, et al. **Tanpakushitsu Kakusan Koso** 23(11):1123–38, Oct 78 (72 ref.) **(Jpn)**

[Possible role of the calcium ion in the pathogenesis of heart arrhythmias] Refsum H. **Tidsskr Nor Laegeforen** 98(30):1511–3, 30 Oct 78 (Eng. Abstr.) **(Nor)**

[Role of Ca-specific binding sites in the induction of conformational changes in troponin structure] Dobrovol'skii AB, et al. **Biokhimiia** 43(9):1695–703, Sep 78 (Eng. Abstr.) **(Rus)**

[Modification of retinal photoreceptor membranes and Ca ion binding] Korchagin VP, et al. **Biokhimiia** 43(10):1749–56, Oct 78 (Eng. Abstr.) **(Rus)**

[Acid-stable and acid-unstable alpha-amylases of the mold fungi Aspergillus] Kvesitadze GI, et al. **Biokhimiia** 43(9):1688–94, Sep 78 (Eng. Abstr.) **(Rus)**

[Phosphohydrolases of the phytopathogenic fungus Phytophthora infestans (Mont) de Bary] Sysuev VA, et al. **Biokhimiia** 43(10):1790–5, Oct 78 (Eng. Abstr.) **(Rus)**

[Kinetics of guinea pig taenia coli smooth muscle relaxation. Effect of papaverine and polarization] Galkin AA, et al. **Biull Eksp Biol Med** 86(10):447–50, Oct 78 (Eng. Abstr.) **(Rus)**

[Metabolic processes in the myocardium during the early stages of postnatal ontogenesis and the effect of cardiac glycosides (review of the literature)] Chekman IS, et al. **Farmakol Toksikol** 41(6):723–30, Nov-Dec 78 (97 ref.) **(Rus)**

[Development of the concept of hypertensive disease as pathology of the cellular membranes. The role of disordered intracellular calcium distribution] Postnov IuV. **Kardiologiia** 18(11):15–22, Nov 78 **(Rus)**

[Separation of potassium and calcium channels in the nerve cell soma membrane] Doroshenko PA, et al. **Neirofiziologiia** 10(6):645–53, 1978 (Eng. Abstr.) **(Rus)**

[Electrolyte imbalance and its physiopathological mechanisms in trauma] Slepushkin VD. **Ortop Travmatol Protez** (9):82–7, Sep 78 (114 ref.) **(Rus)**

[Calcium metabolism after kidney transplantation] Rozental' RL, et al. **Ter Arkh** 50(11):80–4, 1978 (Eng. Abstr.) **(Rus)**

[Low temperature effects on sarcoplasmic reticulum membrane permeability for Ca2+] Zhegunov GF, et al. **Ukr Biokhim Zh** 50(5):600–3, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Nephrocalcinosis in chronic renal insufficiency] Goligorskii MS, et al. **Urol Nefrol (Mosk)** (6):32–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Bone tumor macroelements] Proshin VV, et al. **Vopr Onkol** 24(10):55–8, 1978 (Eng. Abstr.) **(Rus)**

[Effect of caffeine on calcium transport in mitochondria from rat liver (author's transl)] de la Cruz MJ, et al. **Rev Esp Fisiol** 34(3):351–6, Sep 78 (Eng. Abstr.) **(Spa)**

CHOLECALCIFEROLS

ADMINISTRATION & DOSAGE

Reduced serum 1,25-(OH)2 vitamin D3 levels in prednisone-treated adolescents with systemic lupus erythematosus. O'Regan S, et al. **Acta Paediatr Scand** 68(1):109–11, Jan 79

ANTAGONISTS & INHIBITORS

Studies on vitamin D (calciferol) and its analogues. 15. 24-Nor-1alpha,25-dihydroxyvitamin D3 and 24-nor-25-hydroxy-5,6-trans-vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

BIOSYNTHESIS

Seasonal pattern in the rate of growth in height of children living in Guatemala. Bogin BA. **Am J Phys Anthropol** 49(2):205–10, Aug 78

BLOOD

Hypervitaminosis D in fur-bearing animals. Helgebostad A, et al. **Nord Vet Med** 30(10):451–5, Oct 78

METABOLISM

Urinary phosphate and cyclic AMP in pseudohypoparathyroidism. Klahr S, et al. **Adv Exp Med Biol** 103:173–85, 1978 (34 ref.)

Effects of hepatic microsomal enzyme inducers of the endogenous substrates vitamin D3 and folate in rat. Rising TJ. **Biochem Pharmacol** 28(1):63–7, 1979

Hypervitaminosis D in fur-bearing animals. Helgebostad A, et al. **Nord Vet Med** 30(10):451–5, Oct 78

The effect of aflatoxin B1 on the utilization of cholecalciferol by chicks. Bird FH. **Poult Sci** 57(5):1293–6, Sep 78

Phosphorus availability. 1. The effect of chick age and vitamin D metabolites on the availability of phosphorus in defluorinated phosphate. Soares JH Jr, et al. **Poult Sci** 57(5):1305–12, Sep 78

PHARMACODYNAMICS

The intestinal phosphate transport under condition of experimental hypercalcemia. Lorenc RS, et al. **Adv Exp Med Biol** 103:161–9, 1978

Phosphate transport by embryonic chick duodenum. Stimulation by vitamin D3. Peterlik M. **Biochim Biophys Acta** 514(1):164–71, 4 Dec 78

Intestinal absorption and retention of 109Cd: effects of cholecalciferol, calcium status and other variables. Koo SI, et al. **J Nutr** 108(11):1812–22, Nov 78

The effect of vitamin D3 and dietary calcium level on the cadmium-induced morphological and biochemical changes in rat intestinal mucosa. Noda S, et al. **J Nutr Sci Vitaminol (Tokyo)** 24(4):405–18, 1978

Effects of Trisetum flavescens on calcium and phosphorus metabolism. Mechanism of its action studied through its interaction with diphosphonate. Ston J, et al. **Physiol Bohemoslov** 27(6):515–20, 1978

[Effect of several drugs and nonspecific substances on the uterine microflora of cows during the puerperal period and at the time of impregnation] Konstantinov P, et al. **Vet Med Nauki** 15(3):36–41, 1978 (Eng. Abstr.) **(Bul)**

[Effect of potassium orotate on metabolism in chickens under different provision with vitamin D3] Kotsiuruba AV, et al. **Ukr Biokhim Zh** 50(5):641–8, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Intestinal calcium-binding protein: a molecular expression of the hormonal action of vitamin D3 (proceedings) (author's transl)] Marche P, et al. **Ann Endocrinol (Paris)** 39(3):219–20, 1978 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Reduced serum 1,25-(OH)2 vitamin D3 levels in prednisone-treated adolescents with systemic lupus erythematosus. O'Regan S, et al. **Acta Paediatr Scand** 68(1):109–11, Jan 79

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

DIHYDROTACHYSTEROL

ADVERSE EFFECTS

[Iatrogenic acute hypercalcemic encephalopathy. 1 case (letter)] Halpert J, et al. **Nouv Presse Med** 7(35):3152, 14 Oct 78 **(Fre)**

THERAPEUTIC USE

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

DIHYDROXYCHOLECALCIFEROLS

ADMINISTRATION & DOSAGE

Vitamin-D analogues and renal function [letter] Farrington K, et al. **Lancet** 2(8096):941, 28 Oct 78

BIOSYNTHESIS

Effects of parathyroid hormone and dietary phosphorus on the decreased synthesis of 1,25-dihydroxyvitamin D3 in rats with graded reduction of nephron mass. Kawaguchi Y, et al. **Adv Exp Med Biol** 103:505–7, 1978

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Site of 1,25(OH)2 vitamin D3 synthesis in the kidney. Brunette MG, et al. **Nature** 276(5685):287–9, 16 Nov 78

BLOOD

The effects of phosphate depletion on bone. Ivey JL, et al. **Adv Exp Med Biol** 103:373–80, 1978

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

Serum 24,25-dihydroxyvitamin D and 25-hydroxyvitamin D concentrations in femoral neck fracture. Weisman Y, et al. **Br Med J** 2(6146):1196–7, 28 Oct 78

The phosphate-depletion syndrome. Kreusser W, et al. **Contrib Nephrol** 14:162–74, 1978

Reduction of serum-1, 25-dihydroxyvitamin-D3 in children receiving glucocorticoids. Chesney RW, et al. **Lancet** 2(8100):1123–5, 25 Nov 78

Evidence for maternal and fetal differences in vitamin D metabolism. Lester GE, et al. **Proc Soc Exp Biol Med** 159(2):303–7, Nov 78

CHEMICAL SYNTHESIS

Studies on vitamin D (calciferol) and its analogues. 15. 24-Nor-1alpha,25-dihydroxyvitamin D3 and 24-nor-25-hydroxy-5,6-trans-vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

METABOLISM

Phosphorous depletion and vitamin D metabolism. Avioli LV. **Adv Exp Med Biol** 103:367–72, 1978 (25 ref.)

The in vitro production and activity of 24, 25–dihydroxycholecalciferol in cartilage and calvarium. Garabedian M, et al. **Clin Orthop** (135):241–8, Sep 78

Regulation of the vitamin D endocrine system located in the kidney. DeLuca HF. **Contrib Nephrol** 13:81–95, 1978

Vitamin D and the syndromes of azotaemic osteodystrophy. Stanbury SW. **Contrib Nephrol** 13:132–46, 1978 (57 ref.)

Resistance to parathyroid hormone in renal failure: role of vitamin D metabolites. Somerville PJ, et al. **Kidney Int** 14(3):245–54, Sep 78

Reduction of serum–1, 25–dihydroxyvitamin–D3 in children receiving glucocorticoids. Chesney RW, et al. **Lancet** 2(8100):1123–5, 25 Nov 78

The interaction of 1,25–dihydroxyvitamin D3 with its intestinal mucosa receptor: kinetic parameters and structural requirements. Putkey JA, et al. **Lipids** 13(10):723–9, Oct 78

Evidence for maternal and fetal differences in vitamin D metabolism. Lester GE, et al. **Proc Soc Exp Biol Med** 159(2):303–7, Nov 78

[Hypercalciuria and kidney calculi] Netelenbos JC, et al. **Ned Tijdschr Geneeskd** 122(51):2020–5, 23 Dec 78 **(Dut)**

PHARMACODYNAMICS

Low phosphorus intake and vitamin D metabolism and expression in rats. Edelstein S, et al. **Adv Exp Med Biol** 103:413–20, 1978

Effects of 1,25–dihydroxycholecalciferol on serum calcium, phosphate, and immunoreactive parathyroid hormone in dogs. Oldham SB, et al. **Adv Exp Med Biol** 103:509–16, 1978

Importance of 25–hydroxylation to the renal tubular actions of vitamin D metabolites. Puschett JB, et al. **Adv Exp Med Biol** 103:105–9, 1978

Physiological and pharmacological aspects of 24,25–dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

Differentiation of the changes in alkaline phosphatase from calcium ion–activated adenosine triphosphatase activities associated with increased calcium absorption in chick intestine. Lane SM, et al. **Biochem J** 174(3):1067–70, 15 Sep 78

Effect of 24,25–dihydroxycholecalciferol on calcium absorption in proximal small intestine in uraemia. Szymendera J, et al. **Br Med J** 2(6150):1465–6, 25 Nov 78

Effect of 1,25–dihydroxycholecalciferol on adenosine 3',5'–cyclic monophosphate production in calvaria of mice. Gebauer U, et al. **Calcif Tissue Res** 25(3):223–5, 18 Aug 78

The in vitro production and activity of 24, 25–dihydroxycholecalciferol in cartilage and calvarium. Garabedian M, et al. **Clin Orthop** (135):241–8, Sep 78

Effect of vitamin D metabolites on calcium and phosphate metabolism. Fleisch H, et al. **Contrib Nephrol** 13:96–103, 1978

Interaction of the parathyroid and 1,25–dihydroxyvitamin D3 in the control of renal 25–hydroxyvitamin D3 metabolism. Omdahl JL. **J Biol Chem** 253(23):8474–8, 10 Dec 78

Studies on vitamin D (calciferol) and its analogues. 15. 24–Nor–1alpha,25–dihydroxyvitamin D3 and 24–nor–25–hydroxy–5,6–trans–vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

Evidence for the promotion of bone mineralization by 1alpha,25–dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec 78

Resistance to parathyroid hormone in renal failure: role of vitamin D metabolites. Somerville PJ, et al. **Kidney Int** 14(3):245–54, Sep 78

24, 25–dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78

Structural determinants of the renal tubular activity of vitamin D(3) derivatives: studies with 1 alpha–hydroxy, 24R,25–dihydroxy, and a 1 alpha, 24R,25–trihydroxy vitamin D(3). Winaver J, et al. **Proc Soc Exp Biol Med** 159(2):204–9, Nov 78

PHYSIOLOGY

Regulation of the tubular transport of phosphate in the rat: role of parathyroid hormone and 1,25–dihydroxyvitamin D3. Bonjour JP, et al. **Adv Exp Med Biol** 103:97–103, 1978

24, 25–dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78

THERAPEUTIC USE

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

Familial hypophosphatemia. Chan JC, et al. **Clin Pediatr (Phila)** 17(12):910–1, Dec 78

TOXICITY

Vitamin–D analogues and renal function [letter] Farrington K, et al. **Lancet** 2(8096):941, 28 Oct 78

ERGOCALCIFEROL

PHARMACODYNAMICS

Vitamin D dependence of in vivo calcium transport and mucosal calcium binding protein in rat large intestine. Petith MM, et al. **Gastroenterology** 76(1):99–104, Jan 79

Effect of induced hypercalcemia on ultimobranchial gland of the lizard, Calotes versicolor. Dubewar DM, et al. **Z Mikrosk Anat Forsch** 91(4):704–8, 1977

THERAPEUTIC USE

Vitamin D and the syndromes of azotaemic osteodystrophy. Stanbury SW. **Contrib Nephrol** 13:132–46, 1978 (57 ref.)

HYDROXYCHOLECALCIFEROLS

ADMINISTRATION & DOSAGE

Interim report on treatment of osteoporotic patients with 1 alpha–hydroxyvitamin D3 and calcium. Lindholm TS, et al. **Clin Orthop** (135):232–40, Sep 78

Vitamin–D analogues and renal function [letter] Farrington K, et al. **Lancet** 2(8096):941, 28 Oct 78

[The effect of 1alpha–hydroxycholecalciferol on the abnormal calcium metabolism in hemodialysis patients.–Studies on patients showing low serum calcium and high alkaline phosphatase (author's transl)] Asai K, et al. **Nippon Jinzo Gakkai Shi** 20(9):967–77, Sep 78 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Effects of parathyroid hormone and dietary phosphorus on the decreased synthesis of 1,25–dihydroxyvitamin D3 in rats with graded reduction of nephron mass. Kawaguchi Y, et al. **Adv Exp Med Biol** 103:505–7, 1978

Site of 1,25(OH)2 vitamin D3 synthesis in the kidney. Brunette MG, et al. **Nature** 276(5685):287–9, 16 Nov 78

BLOOD

Reduced serum 1,25–(OH)2 vitamin D3 levels in prednisone–treated adolescents with systemic lupus erythematosus. O'Regan S, et al. **Acta Paediatr Scand** 68(1):109–11, Jan 79

Ultra–violet irradiation and 25–hydroxy–vitamin D levels in sick old people. Snell AP, et al. **Age Ageing** 7(4):225–8, Nov 78

25–Hydroxycholecalciferol for early neonatal hypocalcemia. Occurrence in premature newborns. Fleischman AR, et al. **Am J Dis Child** 132(10):973–7, Oct 78

Serum 24,25–dihydroxyvitamin D and 25–hydroxyvitamin D concentrations in femoral neck fracture. Weisman Y, et al. **Br Med J** 2(6146):1196–7, 28 Oct 78

Plasma concentrations of 25–hydroxy vitamin D in pregnant and lactating ewes and foetal and newborn lambs. Barlet JP, et al. **J Endocrinol** 79(1):149–50, Oct 78

Reduced serum 25–hydroxyvitamin D concentration and disordered mineral metabolism in patients with cystic fibrosis. Hahn TJ, et al. **J Pediatr** 94(1):38–42, Jan 79

25–Hydroxycholecalciferol levels in patients with cystic fibrosis. Hubbard VS, et al. **J Pediatr** 94(1):84–6, Jan 79

Serum 25–hydroxyvitamin D and parathyroid hormone in patients with acute renal failure. Pietrek J, et al. **Kidney Int** 13(2):178–85, Feb 78

Reduction of serum–1, 25–dihydroxyvitamin–D3 in children receiving glucocorticoids. Chesney RW, et al. **Lancet** 2(8100):1123–5, 25 Nov 78

A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25–dihydroxyvitamin D. Riggs BL, et al.

Mayo Clin Proc 53(11):701–6, Nov 78

Plasma 25–hydroxy–vitamin D in familial hypercholesterolemic children receiving colestipol resin. Tsang RC, et al. **Pediatr Res** 12(10):980–2, Oct 78

Evidence for maternal and fetal differences in vitamin D metabolism. Lester GE, et al. **Proc Soc Exp Biol Med** 159(2):303–7, Nov 78

An improved competitive protein–binding assay for 25–hydroxy vitamin D. Aksnes L. **Scand J Clin Lab Invest** 38(7):677–86, Nov 78

[Binding capacity of blood 25–hydroxyvitamin D–binding protein in man] Shimotsuji T, et al. **Horumon To Rinsho** 26(11):1175–80, Nov 78 **(Jpn)**

[Vitamin D dependency––with special reference to its reactivity to vitamin D and vitamin D activities in the blood] Shimotsuji T, et al. **Nippon Rinsho** 36(10):3363–8, Oct 78 **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis of 1 alpha–hydroxy[7–3H]cholecalciferol and its metabolism in the chick. Edelstein S, et al. **Biochem J** 176(1):111–7, 15 Oct 78

Studies on vitamin D (calciferol) and its analogues. 15. 24–Nor–1alpha,25–dihydroxyvitamin D3 and 24–nor–25–hydroxy–5,6–trans–vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

The synthesis and activity in vitro of 25–masked 1alpha–hydroxylated vitamin D3 analogs. Napoli JL, et al. **Steroids** 32(4):453–66, Nov 78

METABOLISM

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

Synthesis of 1 alpha–hydroxy[7–3H]cholecalciferol and its metabolism in the chick. Edelstein S, et al. **Biochem J** 176(1):111–7, 15 Oct 78

The in vitro production and activity of 24, 25–dihydroxycholecalciferol in cartilage and calvarium. Garabedian M, et al. **Clin Orthop** (135):241–8, Sep 78

Regulation of the vitamin D endocrine system located in the kidney. DeLuca HF. **Contrib Nephrol** 13:81–95, 1978

Interaction of the parathyroid and 1,25–dihydroxyvitamin D3 in the control of renal 25–hydroxyvitamin D3 metabolism. Omdahl JL. **J Biol Chem** 253(23):8474–8, 10 Dec 78

Resistance to parathyroid hormone in renal failure: role of vitamin D metabolites. Somerville PJ, et al. **Kidney Int** 14(3):245–54, Sep 78

The interaction of 1,25–dihydroxyvitamin D3 with its intestinal mucosa receptor: kinetic parameters and structural requirements. Putkey JA, et al. **Lipids** 13(10):723–9, Oct 78

Phosphorus availability. 1. The effect of chick age and vitamin D metabolites on the availability of phosphorus in defluorinated phosphate. Soares JH Jr, et al. **Poult Sci** 57(5):1305–12, Sep 78

Evidence for maternal and fetal differences in vitamin D metabolism. Lester GE, et al. **Proc Soc Exp Biol Med** 159(2):303–7, Nov 78

The synthesis and activity in vitro of 25–masked 1alpha–hydroxylated vitamin D3 analogs. Napoli JL, et al. **Steroids** 32(4):453–66, Nov 78

Factors in human uremic serum that alter 25–hydroxycholecalciferol metabolism. Midgett RJ, et al. **Trans Am Soc Artif Intern Organs** 24:55–60, 1978

[Activation of vitamin D and its control in the kidney] Horiuchi N. **Nippon Rinsho** 36(10):3319–23, Oct 78 (33 ref.) **(Jpn)**

PHARMACODYNAMICS

Endocrine regulation of plasma phosphate in sheep fetuses with catheters implanted in utero. Barlet JP, et al. **Adv Exp Med Biol** 103:243–56, 1978

The intestinal phosphate transport under condition of experimental hypercalcemia. Lorenc RS, et al. **Adv Exp Med Biol** 103:161–9, 1978

Effects of 1,25–dihydroxycholecalciferol on serum calcium, phosphate, and immunoreactive parathyroid hormone in dogs. Oldham SB, et al. **Adv Exp Med Biol** 103:509–16, 1978

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

Importance of 25–hydroxylation to the renal tubular actions of vitamin D metabolites. Puschett JB, et al. **Adv Exp Med Biol** 103:105–9, 1978

Physiological and pharmacological aspects of 24,25–dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

Intestinal inorganic phosphate transport. Walling MW. **Adv Exp Med Biol** 103:131–47, 1978 (42 ref.)

Effect of 24,25–dihydroxycholecalciferol on calcium absorption in proximal small intestine in uraemia. Szymendera J, et al. **Br Med J** 2(6150):1465–6, 25 Nov 78

Effect of 1,25–dihydroxycholecalciferol on adenosine 3',5'–cyclic monophosphate production in calvaria of mice. Gebauer U, et al. **Calcif Tissue Res** 25(3):223–5, 18 Aug 78

Effect of vitamin D metabolites on calcium and phosphate metabolism. Fleisch H, et al. **Contrib Nephrol** 13:96–103, 1978

Interaction of the parathyroid and 1,25–dihydroxyvitamin D3 in the control of renal 25–hydroxyvitamin D3 metabolism. Omdahl JL. **J Biol Chem** 253(23):8474–8, 10 Dec 78

Studies on vitamin D (calciferol) and its analogues. 15. 24–Nor–1alpha,25–dihydroxyvitamin D3 and 24–nor–25–hydroxy–5,6–trans–vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

Evidence for the promotion of bone mineralization by 1alpha,25–dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. Boris A, et al. **J Nutr** 108(12):1899–906, Dec 78

24, 25–dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78

Structural determinants of the renal tubular activity of vitamin D(3) derivatives: studies with 1 alpha–hydroxy, 24R,25–dihydroxy, and a 1 alpha, 24R,25–trihydroxy vitamin D(3). Winaver J, et al. **Proc Soc Exp Biol Med** 159(2):204–9, Nov 78

The synthesis and activity in vitro of 25–masked 1alpha–hydroxylated vitamin D3 analogs. Napoli JL, et al. **Steroids** 32(4):453–66, Nov 78

PHYSIOLOGY

Regulation of the tubular transport of phosphate in the rat: role of parathyroid hormone and 1,25–dihydroxyvitamin D3. Bonjour JP, et al. **Adv Exp Med Biol** 103:97–103, 1978

24, 25–dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78

THERAPEUTIC USE

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

25–Hydroxycholecalciferol for early neonatal hypocalcemia. Occurrence in premature newborns. Fleischman AR, et al. **Am J Dis Child** 132(10):973–7, Oct 78

Short–term effects of varying doses of 1 alpha–hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Lindholm TS, et al. **Clin Orthop** (135):226–31, Sep 78

Late complications of long–term hemodialysis in children: clinical aspects and some measurable variables concerning parathyroid hormone, divalent ions, acid–base metabolism, anemia, nutrition, growth and survival data. Chan JC. **J Urol** 120(5):578–85, Nov 78

Vitamin–D analogues and renal function [letter] **Lancet** 2(8102):1259–60, 9 Dec 78

[Effects of long–term 1alpha–(OH) D3 therapy on the hyperparathyroidism of children on maintenance hemodialysis (proceedings) (author's transl)] Balsan S, et al. **Ann Endocrinol (Paris)** 39(3):221–2, 1978 (Eng. Abstr.) **(Fre)**

[25–hydroxycholecalciferol treatment of early neonatal hypocalcemia in a department of resuscitation] Alix D, et al. **Pediatrie** 33(6):567–81, Sep 78 (Eng. Abstr.) **(Fre)**

[The effect of 1alpha–hydroxycholecalciferol on the abnormal calcium metabolism in hemodialysis patients.––Studies on patients showing low serum calcium and high alkaline phosphatase (author's transl)] Asai K, et al. **Nippon Jinzo Gakkai Shi** 20(9):967–77, Sep 78 (Eng. Abstr.) **(Jpn)**

HYPERCALCEMIA

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

[Hypercalcemia and hypocalcemia] Koide H. **Nippon Rinsho** 36(10):3337–41, Oct 78 **(Jpn)**

PARATHYROID AND BONE

BLOOD

Effect of acute hypercalcemia on human esophageal motility. Danielides IC, et al. **Gastroenterology** 75(6):1115–9, Dec 78

Effect of induced hypercalcemia on gastric acid secretion and serum gastrin levels in duodenal ulcer patients. Dinbar A, et al. **Isr J Med Sci** 14(9):992–4, Sep 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Tamoxifen and hypercalcemia [letter] Patterson JS, et al. **Ann Intern Med** 89(6):1013, Dec 78

Biochemical consequences of diuretic therapy in hypertension. Hollifield JW. **J Tenn Med Assoc** 71(10):757–8, Oct 78

Tamoxifen flare in advanced breast cancer. Plotkin D, et al. **JAMA** 240(24):2644–6, 8 Dec 78

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

[Iatrogenic acute hypercalcemic encephalopathy. 1 case (letter)] Halpert J, et al. **Nouv Presse Med** 7(35):3152, 14 Oct 78 **(Fre)**

[Thiazide-induced hypercalcemia (author's transl)] Koshikawa S, et al. **Nippon Rinsho** 36(10):3374–8, Oct 78 (35 ref.) **(Jpn)**

COMPLICATIONS

Visceral calcification and the CaXP product. Velentzas C, et al. **Adv Exp Med Biol** 103:195–201, 1978

Hypercalcemia in children with spinal cord injury. Tori JA, et al. **Arch Phys Med Rehabil** 59(10):443–6, Oct 78

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

Acute phase of sarcoidosis with splenomegaly and hypercalcemia. Description of a case, including a report about splenectomy and the preparation and testing of a Kveim antigen from the spleen. Nilsson BS, et al. **Scand J Respir Dis [Suppl]** 59(4):199–209, Aug 78

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

[Problems raised by renovascular hypertension: unusual cases of idiopathic hypercalcemia] Sorez JP, et al. **J Radiol Electrol Med Nucl** 59(6–7):441–2, Jun–Jul 78 **(Fre)**

[Diagnosis and therapy of primary hyperparathyroidism (author's transl)] Zühlke V, et al. **Langenbecks Arch Chir** 346(4):219–34, 20 Dec 78 (Eng. Abstr.) **(Ger)**

[Physiopathological and symptomatic aspects of osmolar encephalopathies] Di Lollo F, et al. **Recenti Prog Med** 65(4):295–325, Oct 78 (117 ref.) (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Hypercalcemia in children with spinal cord injury. Tori JA, et al. **Arch Phys Med Rehabil** 59(10):443–6, Oct 78

Hypercalcemic crisis in primary hyperparathyroidism. Irvin GL 3d, et al. **J Fla Med Assoc** 65(11):883–6, Nov 78

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Hypercalcemia in children with spinal cord injury. Tori JA, et al. **Arch Phys Med Rehabil** 59(10):443–6, Oct 78

Symptomatic hypocalcemia following combined calcitonin and mithramycin therapy for hypercalcemia due to malignancy. Caro JF, et al. **Cancer Treat Rep** 62(10):1561–3, Oct 78

[Calcitonin therapy] Ziegler R. **Dtsch Med Wochenschr** 103(47):1860–3, 24 Nov 78 **(Ger)**

ETIOLOGY

Hyperkalemia, hypercalcemia, and hyperuricemia after a diet with soup [letter] Lamid S, et al. **Am J Clin Nutr** 31(12):2135, Dec 78

Hypercalcemia of malignancy. Animal model: VX-2 carcinoma of rabbits. Young DM, et al. **Am J Pathol** 93(2):619–22, Nov 78

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

Symptomatic hypocalcemia following combined calcitonin and mithramycin therapy for hypercalcemia due to malignancy. Caro JF, et al. **Cancer Treat Rep** 62(10):1561–3, Oct 78

Hypercalcemia secondary to chronic renal failure in the dog: a report of four cases. Finco DR, et al. **J Am Vet Med Assoc** 173(8):990–4, 15 Oct 78

Hypercalcemic crisis in primary hyperparathyroidism. Irvin GL 3d, et al. **J Fla Med Assoc** 65(11):883–6, Nov 78

Hypercalcaemia due to immobilisation in Paget's disease of bone [letter] Fuss M, et al. **Lancet** 2(8096):941, 28 Oct 78

Calcium and cancer. Mundy GR. **Life Sci** 23(17–18):1735–44, 30 Oct 78 (66 ref.)

Hypercalcemia in thyrotoxicosis. Maxon HR, et al. **Surg Gynecol Obstet** 147(5):694–6, Nov 78

Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Reyes HM, et al. **Surg Gynecol Obstet** 148(1):76–8, Jan 79

Hypercalcemia associated with parathyroid hyperfunction and malignancy. Lima JA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 31(2):200–4, Fall 78

Urinary tract calculous disease after renal transplantation. Braren V, et al. **Urology** 12(4):402–6, Oct 78

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

[Paraneoplastic hypercalcemia] Elomaa I. **Duodecim** 94(22):1390–6, 1978 **(Fin)**

[Severe hypercalcemia with hypophosphoremia of thyrotoxic origin (letter)] Roche J, et al. **Nouv Presse Med** 7(34):3056, 7 Oct 78 **(Fre)**

[Treatment of severe hypercalcemia] Godin M, et al. **Rev Prat** 28(41):3133–4, 3137–8, 3141, 21 Sep 78 (Eng. Abstr.) **(Fre)**

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

[Hypercalcemia therapy in malignant tumors] Bruntsch U. **MMW** 121(1):16–8, 5 Jan 79 **(Ger)**

[Hypercalcemia and hypocalcemia] Koide H. **Nippon Rinsho** 36(10):3337–41, Oct 78 **(Jpn)**

[Calcium metabolism disorder in sarcoidosis] Morii H, et al. **Nippon Rinsho** 36(10):3398–403, Oct 78 **(Jpn)**

[Malignant tumors] Tanaka M, et al. **Nippon Rinsho** 36(10):3426–30, Oct 78 (38 ref.) **(Jpn)**

[Calcium metabolism after kidney transplantation] Rozental' RL, et al. **Ter Arkh** 50(11):80–4, 1978 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

METABOLISM

The intestinal phosphate transport under condition of experimental hypercalcemia. Lorenc RS, et al. **Adv Exp Med Biol** 103:161–9, 1978

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**

PATHOLOGY

Hypercalcemia secondary to chronic renal failure in the dog: a report of four cases. Finco DR, et al. **J Am Vet Med Assoc** 173(8):990–4, 15 Oct 78

PHYSIOPATHOLOGY

Effect of acute hypercalcemia on human esophageal motility. Danielides IC, et al. **Gastroenterology** 75(6):1115–9, Dec 78

Effect of induced hypercalcemia on gastric acid secretion and serum gastrin levels in duodenal ulcer patients. Dinbar A, et al. **Isr J Med Sci** 14(9):992–4, Sep 78

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

PREVENTION & CONTROL

Calcium balance in paraplegic patients: influence of injury duration and ambulation. Kaplan PE, et al. **Arch Phys Med Rehabil** 59(10):447–50, Oct 78

Vitamin-D analogues and renal function [letter] **Lancet** 2(8102):1259–60, 9 Dec 78

THERAPY

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)
[Treatment of severe hypercalcemia] Godin M, et al. **Rev Prat** 28(41):3133–4, 3137–8, 3141, 21 Sep 78 (Eng. Abstr.) **(Fre)**
[Hypercalcemia therapy in malignant tumors] Bruntsch U. **MMW** 121(1):16–8, 5 Jan 79 **(Ger)**
[Malignant tumors] Tanaka M, et al. **Nippon Rinsho** 36(10):3426–30, Oct 78 (38 ref.) **(Jpn)**

VETERINARY

Hypercalcemia secondary to chronic renal failure in the dog: a report of four cases. Finco DR, et al. **J Am Vet Med Assoc** 173(8):990–4, 15 Oct 78

OSTEITIS FIBROSA CYSTICA

DIAGNOSIS

[Errors in the diagnosis of arthrologic diseases] Saksonov SI, et al. **Klin Med (Mosk)** 56(10):123–6, Oct 78 (Eng. Abstr.) **(Rus)**

OSTEOGENESIS IMPERFECTA

[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

An audiological investigation of osteogenesis imperfecta. Carruth JA, et al. **J Laryngol Otol** 92(10):853–60, Oct 78
[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Osteogenesis imperfecta in one of twins. Case report. Firlit GS, et al. **Clin Orthop** (135):39–41, Sep 78

DRUG THERAPY

Bone mineral turnover in a patient with osteogenesis imperfecta estimated by fluoride excretion. Forbes GB, et al. **Calcif Tissue Res** 25(3):283–7, 18 Aug 78
[Calcitonin therapy] Ziegler R. **Dtsch Med Wochenschr** 103(47):1860–3, 24 Nov 78 **(Ger)**
[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Osteogenesis imperfecta in one of twins. Case report. Firlit GS, et al. **Clin Orthop** (135):39–41, Sep 78
An audiological investigation of osteogenesis imperfecta. Carruth JA, et al. **J Laryngol Otol** 92(10):853–60, Oct 78

METABOLISM

Bone mineral turnover in a patient with osteogenesis imperfecta estimated by fluoride excretion. Forbes GB, et al. **Calcif Tissue Res** 25(3):283–7, 18 Aug 78

PHYSIOPATHOLOGY

An audiological investigation of osteogenesis imperfecta. Carruth JA, et al. **J Laryngol Otol** 92(10):853–60, Oct 78

RADIOGRAPHY

Intrauterine diagnosis of fetal disease by x-ray. Miller T. **J Natl Med Assoc** 70(11):875–6, Nov 78

REHABILITATION

Moulded supportive seating for the disabled. Ring ND, et al. **Prosthet Orthot Int** 2(1):30–4, Apr 78

OSTEOMALACIA

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

BLOOD

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

CHEMICALLY INDUCED

[Cadmium nephropathy--chornic cadmium poisoning, renal lesions in so-called 'Itai-itai' disease, and osteomalacia] Saito H, et al. **Nippon Rinsho** 36(10):3431–8, Oct 78 **(Jpn)**

COMPLICATIONS

What we know--and don't know--about bone loss in the elderly. Khairi MR, et al. **Geriatrics** 33(11):67–76, Nov 78

DIAGNOSIS

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

ETIOLOGY

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)
Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978

METABOLISM

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78
Unusual bone scan presentation in osteomalacia: symmetrical uptake--a suggestive sign. Singh BN, et al. **Clin Nucl Med** 3(7):292–5, Jul 78

PATHOLOGY

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78
Experimental production of local osteomalacia. Ráliš Z. **Experientia** 34(9):1203–4, 15 Sep 78

PHYSIOPATHOLOGY

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)
Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978
Experimental production of local osteomalacia. Ráliš Z. **Experientia** 34(9):1203–4, 15 Sep 78

RADIONUCLIDE IMAGING

Unusual bone scan presentation in osteomalacia: symmetrical uptake--a suggestive sign. Singh BN, et al. **Clin Nucl Med** 3(7):292–5, Jul 78
[Bone scintigraphy in metabolic bone diseases (author's transl)] Senda K, et al. **Rinsho Hoshasen** 23(12):1421–2, Nov 78 **(Jpn)**

THERAPY

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

OSTEOPETROSIS

Pycnodysostosis. A case report. Taylor MM, et al.

J Bone Joint Surg [Am] 60(8):1128–30, Dec 78

COMPLICATIONS

Neurological complications of infantile osteopetrosis. Lehman RA, et al. **Ann Neurol** 2(5):378–84, Nov 77

CONGENITAL

Thymus and osteopetrosis. Milhaud G, et al. **Clin Orthop** (135):260–71, Sep 78 (63 ref.)

DIAGNOSIS

[Generalised cortical hyperostosis. One case (author's transl)] Demonchy A, et al. **Nouv Presse Med** 7(32):2849–51, 23 Sep 78 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Neurological complications of infantile osteopetrosis. Lehman RA, et al. **Ann Neurol** 2(5):378–84, Nov 77

Thymus and osteopetrosis. Milhaud G, et al. **Clin Orthop** (135):260–71, Sep 78 (63 ref.)

Pycnodysostosis. A clinical, pathological, and ultramicroscopic study of a case. Meredith SC, et al. **J Bone Joint Surg [Am]** 60(8):1122–7, Dec 78

PHYSIOPATHOLOGY

Thymus and osteopetrosis. Milhaud G, et al. **Clin Orthop** (135):260–71, Sep 78 (63 ref.)

RADIOGRAPHY

Neurological complications of infantile osteopetrosis. Lehman RA, et al. **Ann Neurol** 2(5):378–84, Nov 77

Pycnodysostosis: (report of four cases). Srivastava KK, et al. **Australas Radiol** 22(1):70–8, Mar 78

Pycnodysostosis. A clinical, pathological, and ultramicroscopic study of a case. Meredith SC, et al. **J Bone Joint Surg [Am]** 60(8):1122–7, Dec 78

Pycnodysostosis. A case report. Taylor MM, et al. **J Bone Joint Surg [Am]** 60(8):1128–30, Dec 78

THERAPY

Thymus and osteopetrosis. Milhaud G, et al. **Clin Orthop** (135):260–71, Sep 78 (63 ref.)

OSTEOPOROSIS

What we know--and don't know--about bone loss in the elderly. Khairi MR, et al. **Geriatrics** 33(11):67–76, Nov 78

[Osteoporosis] Femppel J. **Fortschr Med** 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**

[Sport in lung diseases and skeletal disorders] Kleinmann D. **ZFA (Stuttgart)** 54(34):1761–2, 10 Dec 78 **(Ger)**

BLOOD

Hormonal status in normal, osteoporotic and corticosteroid-treated postmenopausal women. Crilly R, et al. **J R Soc Med** 71(10):733–6, Oct 78

A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25-dihydroxyvitamin D. Riggs BL, et al. **Mayo Clin Proc** 53(11):701–6, Nov 78

CHEMICALLY INDUCED

Changes in the red cell, plasma and inulin spaces and in the total water contents of rat femurs in cortisone induced osteoporosis. Lien J, et al. **Calcif Tissue Res** 25(3):245–8, 18 Aug 78

Furosemide, hypertension, and osteoporosis [letter] Norenberg DD. **JAMA** 241(3):237–8, 19 Jan 79

COMPLICATIONS

Loosening of the femoral component in surface replacement of the knee. Colley J, et al. **Arch Orthop Trauma Surg** 92(1):31–4, 11 Aug 78

Patellar fracture after replacement of the tibio-femoral joint with the ICLH prosthesis. Freeman MA, et al. **Arch Orthop Trauma Surg** 92(1):63–7, 11 Aug 78

What we know--and don't know--about bone loss in the elderly. Khairi MR, et al. **Geriatrics** 33(11):67–76, Nov 78

[Interactions between bones, hematopoiesis and kidney with reference to the sex hormones. 1. Bones and hematopoiesis, hematopoiesis and kidney--effects of androgens, androgen deficiency and anemia or estrogen therapy and anemia] Schulz W. **Fortschr Med** 96(45):2273–6, 1 Dec 78 **(Ger)**

DIAGNOSIS

[On the problems of spinal column 'osteoporosis' (author's transl)] Vokrouhlická O, et al. **Cas Lek Cesk** 117(38–39):1190–3, 29 Sep 78 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Short-term effects of varying doses of 1 alpha-hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Lindholm TS, et al. **Clin Orthop** (135):226–31, Sep 78

Interim report on treatment of osteoporotic patients with 1 alpha-hydroxyvitamin D3 and calcium. Lindholm TS, et al. **Clin Orthop** (135):232–40, Sep 78

Vitamin-D analogues and renal function [letter] **Lancet** 2(8102):1259–60, 9 Dec 78

[Calcitonin therapy] Ziegler R. **Dtsch Med Wochenschr** 103(47):1860–3, 24 Nov 78 **(Ger)**

[Favorable effects of estrogens and progesterones on general diseases] Lauritzen C, et al. **Fortschr Med** 96(40):2014–8, 26 Oct 78 **(Ger)**

[Reciprocal relationship between bones, hematopoiesis and kidney with reference to sex hormoses. 2. Endocrine osteopathy and sex hormones] Schulz W. **Fortschr Med** 96(46):2329–35, 7 Dec 78 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Short-term effects of varying doses of 1 alpha-hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Lindholm TS, et al. **Clin Orthop** (135):226–31, Sep 78

ETIOLOGY

Interim report on treatment of osteoporotic patients with 1 alpha-hydroxyvitamin D3 and calcium. Lindholm TS, et al. **Clin Orthop** (135):232–40, Sep 78

What we know--and don't know--about bone loss in the elderly. Khairi MR, et al. **Geriatrics** 33(11):67–76, Nov 78

The radiologist's opportunity to teach bone dynamics. Houston CS. **J Can Assoc Radiol** 29(4):232–8, Dec 78

[Drepanocytic osseous complications: dystrophia and osteonecrosis (author's transl)] Carayon A, et al. **Med Trop (Mars)** 38(2):207–12, Mar-Apr 78 (Eng. Abstr.) **(Fre)**

[Osteogenesis imperfecta. Presentation of 5 cases. Nosographical classification and therapeutic prospects] Bianchi C, et al. **Minerva Pediatr** 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**

[Mechanisms of development of histological and cytochemical changes in mammals (rats) during orbital flights] Portugalov VV. **Arkh Anat Gistol Embriol** 75(9):23–30, Sep 78 (74 ref.) (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial syndrome of mental retardation, short stature, contractures of the hands, and genital anomalies. Urban MD, et al. **J Pediatr** 94(1):52–5, Jan 79

METABOLISM

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78

Changes in the red cell, plasma and inulin spaces and in the total water contents of rat femurs in cortisone induced osteoporosis. Lien J, et al. **Calcif Tissue Res** 25(3):245–8, 18 Aug 78

Short-term effects of varying doses of 1 alpha-hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Lindholm TS, et al. **Clin Orthop** (135):226–31, Sep 78

Interim report on treatment of osteoporotic patients with 1 alpha-hydroxyvitamin D3 and calcium. Lindholm TS, et al. **Clin Orthop** (135):232–40, Sep 78

Studies on osteoporosis I. Experimental models. Effect of age, sex, genetic background, diet, steroid and heparin treatment on calcium metabolism of mice. Ambrus JL Jr, et al. **Res Commun Chem Pathol Pharmacol** 22(1):3–14, Oct 78

[Reciprocal relationship between bones, hematopoiesis and kidney with reference to sex hormoses. 2. Endocrine osteopathy and sex hormones] Schulz W. **Fortschr Med**

96(46):2329–35, 7 Dec 78 (Eng. Abstr.) (Ger)

OCCURRENCE

Pathology of centenarians. III. Osseous system, malignant lesions, and causes of death. Ishii T, et al. **J Am Geriatr Soc** 26(12):529–33, Dec 78

PATHOLOGY

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78

Pathology of centenarians. III. Osseous system, malignant lesions, and causes of death. Ishii T, et al. **J Am Geriatr Soc** 26(12):529–33, Dec 78

PREVENTION & CONTROL

Microcrystalline calcium hydroxyapatite compound in corticosteroid-treated rheumatoid patients: a controlled study. Nilsen KH, et al. **Br Med J** 2(6145):1124, 21 Oct 78

What you should know about estrogens. Or the perils of Pauline. Landau RL. **JAMA** 241(1):47–51, 5 Jan 79

Furosemide, hypertension, and osteoporosis [letter] Norenberg DD. **JAMA** 241(3):237–8, 19 Jan 79

THERAPY

A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25-dihydroxyvitamin D. Riggs BL, et al. **Mayo Clin Proc** 53(11):701–6, Nov 78

URINE

A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25-dihydroxyvitamin D. Riggs BL, et al. **Mayo Clin Proc** 53(11):701–6, Nov 78

PSEUDOHYPOPARATHYROIDISM

[Pseudohypoparathyroidism] Orimo H. **Nippon Rinsho** 36(10):3355–8, Oct 78 (Jpn)

COMPLICATIONS

Computed tomography in oculocraniosomatic disease (Kearns–Sayre syndrome). Seigel RS, et al. **Radiology** 130(1):159–64, Jan 79

[Etiology of hypocalcemia in hypoparathyroidism and pseudohypoparathyroidism] Tsuchiya H, et al. **Horumon To Rinsho** 26(11):1167–74, Nov 78 (Jpn)

DIAGNOSIS

Testing for hypoparathyroidism [letter] de Deuxchaisnes CN, et al. **N Engl J Med** 300(3):140, 18 Jan 79

[Congenital, plaque-like osteoma of the skin in an infant] Worret WI, et al. **Hautarzt** 29(11):590–6, Nov 78 (Eng. Abstr.) (Ger)

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) (Jpn)

[Pseudohypoparathyroidism] Orimo H. **Nippon Rinsho** 36(10):3355–8, Oct 78 (Jpn)

ETIOLOGY

[Pseudohypoparathyroidism] Orimo H. **Nippon Rinsho** 36(10):3355–8, Oct 78 (Jpn)

METABOLISM

[Etiology of hypocalcemia in hypoparathyroidism and pseudohypoparathyroidism] Tsuchiya H, et al. **Horumon To Rinsho** 26(11):1167–74, Nov 78 (Jpn)

[Parathyroid hormone-like effects of acetazolamide (author's transl)] Sohn H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(8):949–56, 20 Aug 78 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Vitamin D and the syndromes of azotaemic osteodystrophy. Stanbury SW. **Contrib Nephrol** 13:132–46, 1978 (57 ref.)

RADIOGRAPHY

Computed tomography in oculocraniosomatic disease (Kearns–Sayre syndrome). Seigel RS, et al. **Radiology** 130(1):159–64, Jan 79

URINE

Urinary phosphate and cyclic AMP in pseudohypoparathyroidism. Klahr S, et al. **Adv Exp Med Biol** 103:173–85, 1978 (34 ref.)

RENAL OSTEODYSTROPHY

BLOOD

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

DRUG THERAPY

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Late complications of long-term hemodialysis in children: clinical aspects and some measurable variables concerning parathyroid hormone, divalent ions, acid-base metabolism, anemia, nutrition, growth and survival data. Chan JC. **J Urol** 120(5):578–85, Nov 78

Propranolol in uraemic osteodystrophy [letter] Brancaccio D, et al. **Lancet** 2(8096):940, 28 Oct 78

ETIOLOGY

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Late complications of long-term hemodialysis in children: clinical aspects and some measurable variables concerning parathyroid hormone, divalent ions, acid-base metabolism, anemia, nutrition, growth and survival data. Chan JC. **J Urol** 120(5):578–85, Nov 78

Renal osteodystrophy in end-stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

METABOLISM

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

Renal osteodystrophy in end-stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

PATHOLOGY

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78

PREVENTION & CONTROL

Propranolol for renal osteodystrophy [letter] Fournier A, et al. **Lancet** 2(8104–5):1372, 23–30 Dec 78

RADIOGRAPHY

Renal osteodystrophy in end-stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

[Soft tissue and arterial calcifications in dialysed patients with chronic renal insufficiency] Johansen JG, et al. **Tidsskr Nor Laegeforen** 98(34–36):1761–3, 10 Dec 78 (Eng. Abstr.) (Nor)

RADIONUCLIDE IMAGING

Changing manifestations of brown tumors on bone scan in renal osteodystrophy. Brown WT, et al. **J Nucl Med** 19(10):1146–8, Oct 78

PARATHYROID AND BONE

THERAPY

Renal osteodystrophy in end-stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

RICKETS

[The metabolism of vitamin D and its significance for bone and dental tissues] Holmberg I. **Odontol Foren Tidskr** 38(4):215–30, Dec 74 **(Swe)**

BLOOD

Determination of total and unbound calcium in nanoliter samples of cartilage fluid and serum. Pita JC, et al. **Anal Biochem** 90(1):126–35, 1 Oct 78

Site of 1,25(OH)2 vitamin D3 synthesis in the kidney. Brunette MG, et al. **Nature** 276(5685):287–9, 16 Nov 78

24, 25-dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78

[Vitamin D dependency--with special reference to its reactivity to vitamin D and vitamin D activities in the blood] Shimotsuji T, et al. **Nippon Rinsho** 36(10):3363–8, Oct 78 **(Jpn)**

[Various characteristics of metabolism of the erythrocytes in children with rickets in the 1st year of life] Rybkin AI, et al. **Pediatriia** (10):32–3, Oct 78 **(Rus)**

DRUG THERAPY

Case of tumour rickets. Moncrieff MW, et al. **Arch Dis Child** 53(9):740–5, Sep 78

[Vitamin D dependency--with special reference to its reactivity to vitamin D and vitamin D activities in the blood] Shimotsuji T, et al. **Nippon Rinsho** 36(10):3363–8, Oct 78 **(Jpn)**

ETIOLOGY

Case of tumour rickets. Moncrieff MW, et al. **Arch Dis Child** 53(9):740–5, Sep 78

Vitamin D deficiency rickets. Watkins P. **Radiography** 44(525):213–9, Sep 78

[Deficiency rachitis] Harlay A. **Infirm Fr** (198):22–3, Oct 78 **(Fre)**

[Vitamin D dependency--with special reference to its reactivity to vitamin D and vitamin D activities in the blood] Shimotsuji T, et al. **Nippon Rinsho** 36(10):3363–8, Oct 78 **(Jpn)**

METABOLISM

Studies on vitamin D (calciferol) and its analogues. 15. 24-Nor-1alpha,25-dihydroxyvitamin D3 and 24-nor-25-hydroxy-5,6-trans-vitamin D3. Mouriño A, et al. **J Med Chem** 21(10):1025–9, Oct 78

Site of 1,25(OH)2 vitamin D3 synthesis in the kidney. Brunette MG, et al. **Nature** 276(5685):287–9, 16 Nov 78

[Effect of potassium orotate on metabolism in chickens under different provision with vitamin D3] Kotsiuruba AV, et al. **Ukr Biokhim Zh** 50(5):641–8, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Effect of different insolation regimens of group facilities on the spread and severity of rachitis in nursery infants] Baranova MN. **Pediatr Akush Ginekol** (5):26–8, Sep-Oct 78 **(Ukr)**

PATHOLOGY

24, 25-dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Ornoy A, et al. **Nature** 276(5687):517–9, 30 Nov 78

[Polarization microscopic observations on the pathologic cartilage matrix] Kern M, et al. **Acta Histochem [Suppl] (Jena)** 15:361–6, 1975 **(Ger)**

PREVENTION & CONTROL

Infant-feeding practices among immigrants in Glasgow [letter] Gardee R, et al. **Br Med J** 2(6150):1498, 25 Nov 78

Infantile rickets: a report of two cases. Stadler HE, et al. **J Indiana State Med Assoc** 71(11):1072–3, Nov 78

Vitamin D deficiency rickets. Watkins P. **Radiography** 44(525):213–9, Sep 78

RADIOGRAPHY

Infantile rickets: a report of two cases. Stadler HE, et al. **J Indiana State Med Assoc** 71(11):1072–3, Nov 78

Vitamin D deficiency rickets. Watkins P. **Radiography** 44(525):213–9, Sep 78

VETERINARY

Acute gastric dilatation and rickets in a pet spider monkey (Ateles geoffroyi). Kim JC, et al. **VM SAC** 73(10):1303–6, Oct 78

RICKETS, VITAMIN D RESISTANT

COMPLICATIONS

Cholestatic hepatitis with renal tubular acidosis, vitamin D resistant rickets and growth failure. Rosenfeld GB, et al. **Monogr Hum Genet** 10:171–7, 1978

DRUG THERAPY

Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Glorieux FH, et al. **Adv Exp Med Biol** 103:227–32, 1978

ETIOLOGY

Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Glorieux FH, et al. **Adv Exp Med Biol** 103:227–32, 1978

METABOLISM

Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Glorieux FH, et al. **Adv Exp Med Biol** 103:227–32, 1978

PATHOLOGY

Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Glorieux FH, et al. **Adv Exp Med Biol** 103:227–32, 1978

Cholestatic hepatitis with renal tubular acidosis, vitamin D resistant rickets and growth failure. Rosenfeld GB, et al. **Monogr Hum Genet** 10:171–7, 1978

TETANY

CHEMICALLY INDUCED

Tetany and clubbing in patient who ingested large quantities of senna [letter] Prior J, et al. **Lancet** 2(8096):947, 28 Oct 78

ETIOLOGY

[Clinical aspects and therapy of gastrogenic tetany] Ibadov Iu. **Vestn Khir** 121(10):43–5, Oct 78 (Eng. Abstr.) **(Rus)**

SURGERY

[Clinical aspects and therapy of gastrogenic tetany] Ibadov Iu. **Vestn Khir** 121(10):43–5, Oct 78 (Eng. Abstr.) **(Rus)**

VITAMIN A

ANALOGS & DERIVATIVES

Inhibition of vitamin A action in rat bone cultures by inhibitors of RNA and protein synthesis. Kistler A. **Experientia** 34(9):1159–61, 15 Sep 78

Porphobilinogen-accumulation by a porphyrin auxotrophic strain of Bacillus subtilis. Miczák A, et al. **Experientia** 34(9):1158, 15 Sep 78

ANALYSIS

Simultaneous determination of vitamin A, D and E in multivitamin tablets by HPLC. Eriksson M, et al. **Acta Pharm Suec** 15(4):274–81, 1978

PHARMACODYNAMICS

[Effect of several drugs and nonspecific substances on the uterine microflora of cows during the puerperal period and at the time of impregnation] Konstantinov P, et al. **Vet Med Nauki** 15(3):36–41, 1978 (Eng. Abstr.) **(Bul)**

VITAMIN D

ADMINISTRATION & DOSAGE

25–Hydroxycholecalciferol levels in patients with cystic fibrosis. Hubbard VS, et al. **J Pediatr** 94(1):84–6, Jan 79

Variable potency of intramuscular vitamin D preparations [letter] Whyte MP, et al. **N Engl J Med** 300(3):142, 18 Jan 79

ANALYSIS

Simultaneous determination of vitamin A, D and E in multivitamin tablets by HPLC. Eriksson M, et al. **Acta Pharm Suec** 15(4):274–81, 1978

Reverse phase high pressure liquid chromatographic determination of vitamin D in fortified milk. Henderson SK, et al. **J Assoc Off Anal Chem** 61(5):1130–4, Sep 78

[Mineralometry and vitamin D in hemodialyzed patients] Bustamante J, et al. **Rev Clin Esp** 150(3–4):129–32, Aug 78 (Eng. Abstr.) **(Spa)**

BLOOD

Parenteral vitamin requirements during intravenous feeding. Lowry SF, et al. **Am J Clin Nutr** 31(12):2149–58, Dec 78

Polymorphic post–albumin of cattle and horse plasma identified as vitamin D binding protein (Gc protein). Gahne B, et al. **Anim Blood Groups Biochem Genet** 9(1):37–40, 1978

Genetic polymorphism of the vitamin D binding protein and another post–albumin protein in horse serum. Juneja RK, et al. **Anim Blood Groups Biochem Genet** 9(1):29–36, 1978

[Idiopathic hypercalciuria (author's transl)] Ohata M. **Nippon Rinsho** 36(10):3413–6, Oct 78 **(Jpn)**

METABOLISM

Phosphorous depletion and vitamin D metabolism. Avioli LV. **Adv Exp Med Biol** 103:367–72, 1978 (25 ref.)

Low phosphorus intake and vitamin D metabolism and expression in rats. Edelstein S, et al. **Adv Exp Med Biol** 103:413–20, 1978

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

Synthesis of 1 alpha–hydroxy[7–3H]cholecalciferol and its metabolism in the chick. Edelstein S, et al. **Biochem J** 176(1):111–7, 15 Oct 78

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78

Regulation of the vitamin D endocrine system located in the kidney. DeLuca HF. **Contrib Nephrol** 13:81–95, 1978

Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Massry SG. **Contrib Nephrol** 13:125–31, 1978

Recent advances in the endocrinology of vitamin D and implications for renal failure. Norman AW, et al. **Contrib Nephrol** 14:190–207, 1978

Vitamin D and the syndromes of azotaemic osteodystrophy. Stanbury SW. **Contrib Nephrol** 13:132–46, 1978 (57 ref.)

Effect of copper and zinc status on susceptibility to cadmium intoxication. Bremner I, et al. **Environ Health Perspect** 25:125–8, Aug 78

Renal osteodystrophy in end–stage renal failure. Nortman DF, et al. **Postgrad Med** 64(5):123–30, Nov 78

Effect of magnesium deficiency on intestinal calcium transport in rats. Chou HF, et al. **Proc Soc Exp Biol Med** 159(2):171–5, Nov 78

[Etiology of hypocalcemia in hypoparathyroidism and pseudohypoparathyroidism] Tsuchiya H, et al. **Horumon To Rinsho** 26(11):1167–74, Nov 78 **(Jpn)**

[Activation of vitamin D and its control in the kidney] Horiuchi N. **Nippon Rinsho** 36(10):3319–23, Oct 78 (33 ref.) **(Jpn)**

[Mechanism of intestinal absorption of calcium (Ca^{2+}) and phosphorus (P)] Hoshi T. **Nippon Rinsho** 36(10):3292–9, Oct 78 (23 ref.) **(Jpn)**

PHARMACODYNAMICS

Has vitamin D a direct renal effect on the tubular reabsorption of phosphate? A study in parathyroidectomized (PTX) and non–PTX man. Madsen S, et al. **Adv Exp Med Biol** 103:111–23, 1978

Intestinal inorganic phosphate transport. Walling MW. **Adv Exp Med Biol** 103:131–47, 1978 (42 ref.)

Vitamin D dependence and aboral gradient of in vivo intestinal calcium transport in the rat. Petith MM, et al. **Am J Dig Dis** 23(10):943–7, Oct 78

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

PHYSIOLOGY

The effects of phosphate depletion on bone. Ivey JL, et al. **Adv Exp Med Biol** 103:373–80, 1978

Vitamin D–dependent phosphate transport by chick intestine: inhibition by low Na+ and N–ethylmaleimide. Peterlik M. **Adv Exp Med Biol** 103:149–59, 1978

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

Vitamin D deficiency rickets. Watkins P. **Radiography** 44(525):213–9, Sep 78

[The metabolism of vitamin D and its significance for bone and dental tissues] Holmberg I. **Odontol Foren Tidskr** 38(4):215–30, Dec 74 **(Swe)**

POISONING

[Etiologic diagnosis of hypercalcemia. A study of 100 cases] Dupont P, et al. **Rev Rhum Mal Osteoartic** 45(7–9):491–7, Jul–Sep 78 (Eng. Abstr.) **(Fre)**

STANDARDS

Variable potency of intramuscular vitamin D preparations [letter] Whyte MP, et al. **N Engl J Med** 300(3):142, 18 Jan 79

THERAPEUTIC USE

Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Glorieux FH, et al. **Adv Exp Med Biol** 103:227–32, 1978

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

Case of tumour rickets. Moncrieff MW, et al. **Arch Dis Child** 53(9):740–5, Sep 78

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78

Familial hypophosphatemia. Chan JC, et al. **Clin Pediatr (Phila)** 17(12):910–1, Dec 78

Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome. Sann L, et al. **Helv Paediatr Acta** 33(3):299–310, Aug 78

Effects of a calcium and vitamin D supplement on alveolar ridge resorption in immediate denture patients. Wical KE, et al. **J Prosthet Dent** 41(1):4–11, Jan 79

Growth in renal failure. Mehls O, et al. **Nephron** 21(5):237–47, 1978 (73 ref.)

Effects of methyltestosterone and oophorectomy in acute experimental mediocalcinosis in the rat. Hodara MA, et al. **Rev Bras Pesqui Med Biol** 11(4–5):237–40, Oct 78

[Osteoporosis] Femppel J. **Fortschr Med** 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**

[Symmetric cerebral calcification associated with disturbed parathyroid function (author's transl)] Keck E, et al. **Med Klin** 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**

[Vitamin D dependency—with special reference to its reactivity to vitamin D and vitamin D activities in the blood] Shimotsuji T, et al. **Nippon Rinsho** 36(10):3363–8, Oct 78 **(Jpn)**

VITAMIN D DEFICIENCY

BLOOD

Changes in organic matrix of bone and of bone and blood ATP in rats fed rachitogenic diets. Hong KC, et al. **Calcif Tissue Res** 25(3):241–4, 18 Aug 78

CHEMICALLY INDUCED

Reduction of serum–1, 25–dihydroxyvitamin–D3 in children receiving glucocorticoids. Chesney RW, et al. **Lancet** 2(8100):1123–5, 25 Nov 78

COMPLICATIONS

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

Evidence for maternal and fetal differences in vitamin D metabolism. Lester GE, et al. **Proc Soc Exp Biol Med** 159(2):303–7, Nov 78

Vitamin D deficiency rickets. Watkins P. **Radiography** 44(525):213–9, Sep 78

[Deficiency rachitis] Harlay A. **Infirm Fr** (198):22–3, Oct 78 **(Fre)**

METABOLISM

Hepatic osteodystrophy. Long RG, et al. **Br J Hosp Med** 20(3):312–21, Sep 78

Changes in organic matrix of bone and of bone and blood ATP in rats fed rachitogenic diets. Hong KC, et al. **Calcif Tissue Res** 25(3):241–4, 18 Aug 78

Vitamin D dependence of in vivo calcium transport and mucosal calcium binding protein in rat large intestine. Petith MM, et al. **Gastroenterology** 76(1):99–104, Jan 79

Resistance to parathyroid hormone in renal failure: role of vitamin D metabolites. Somerville PJ, et al. **Kidney Int** 14(3):245–54, Sep 78

Evidence for maternal and fetal differences in vitamin D metabolism. Lester GE, et al. **Proc Soc Exp Biol Med** 159(2):303–7, Nov 78

[Nucleic acid and protein metabolism in vitamin D and dietary protein deficiency] Sharmanov TSh, et al. **Vopr Pitan** (5):20–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

PATHOLOGY

A quantitative scanning electron microscope study of the effects of calcium and vitamin D deficiencies on the pig mandibular bone. Daculsi G, et al. **J Dent Res** 57(11–12):1043, Nov–Dec 78

RADIOTHERAPY

Ultra-violet irradiation and 25-hydroxy-vitamin D levels in sick old people. Snell AP, et al. **Age Ageing** 7(4):225–8, Nov 78

THERAPY

Nutritional status of long-stay geriatric in-patients: effects of a food supplement (Complan). Banerjee AK, et al. **Age Ageing** 7(4):237–43, Nov 78

VETERINARY

[Differential diagnosis of collagenosis and D-hypovitaminosis in young bulls] Pan'ko IS. **Veterinariia** (10):80–2, Oct 78 **(Rus)**

NEUROENDOCRINOLOGY

I. Physical and Functional Aspects

AMYGDALOID BODY

ANATOMY & HISTOLOGY

Cholinergic projection of the diagonal band to the interpeduncular nucleus of the rat brain. Gottesfeld Z, et al. **Brain Res** 156(2):329–32, 10 Nov 78

Organization of the hypothalamic–amygdaloid system in rabbits. Sollertinskaya TN, et al. **Neurosci Behav Physiol** 8(3):245–53, Jul–Sep 77

DRUG EFFECTS

Interaction of morphine, etorphine and enkephalins with dopamine-stimulated adenylate cyclase of monkey amygdala. Walczak SA, et al. **Brain Res** 160(1):105–16, 5 Jan 79

Manipulation of opiate activity in the amygdala alters memory processes. Gallagher M, et al. **Life Sci** 23(19):1973–7, 9 Nov 78

Psychomotor behaviour and cardiovascular patterns during stimulation of the amygdala. Stock G, et al. **Pfluegers Arch** 376(2):177–84, 6 Sep 78

ENZYMOLOGY

Regional distribution of angiotensinogen in rat brain. Lewicki JA, et al. **Brain Res** 158(2):359–71, 15 Dec 78

Interaction of morphine, etorphine and enkephalins with dopamine-stimulated adenylate cyclase of monkey amygdala. Walczak SA, et al. **Brain Res** 160(1):105–16, 5 Jan 79

METABOLISM

Selective alterations of regional beta-adrenergic receptor binding in the kindling model of epilepsy. McNamara JO. **Exp Neurol** 61(3):582–91, 15 Sep 78

[Dynamics of serotonin level changes in the hypothalamus, septum, and amygdala in rats under stress (author's transl)] Culman J, et al. **Bratisl Lek Listy** 70(4):465–70, Oct 78 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Activity of human hippocampal formation and amygdala neurons during memory testing. Halgren E, et al. **Electroencephalogr Clin Neurophysiol** 45(5):585–601, Nov 78

Manipulation of opiate activity in the amygdala alters memory processes. Gallagher M, et al. **Life Sci** 23(19):1973–7, 9 Nov 78

Organization of the hypothalamic–amygdaloid system in rabbits. Sollertinskaya TN, et al. **Neurosci Behav Physiol** 8(3):245–53, Jul–Sep 77

Psychomotor behaviour and cardiovascular patterns during stimulation of the amygdala. Stock G, et al. **Pfluegers Arch** 376(2):177–84, 6 Sep 78

[Effects of nomifensine and imipramine on amygdaloid kindled convulsion—inhibitory effects of dopamine on epileptic seizure (author's transl)] Sato M, et al. **Seishin Shinkeigaku Zasshi** 80(7):425–8, Jul 78 **(Jpn)**

[Effect of choriogonadotropin on the ovaries and uterus of infantile rats following treatment of the amygdaloid nuclei] Katerenchuk IP. **Probl Endokrinol (Mosk)** 24(6):78–82, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Kindled seizures from rabbits amygdala: an electroencephalographic and behavioral study. Stach R, et al. **Acta Neurobiol Exp (Warsz)** 38(4):227–32, 1978

Pharmacological prophylaxis against the development of kindled amygdaloid seizures. Turner IM, et al. **Ann Neurol** 2(3):221–4, Sep 77

Ethanol dependence in the rat: role of non-specific and limbic regions in the withdrawal reaction. Hunter BE, et al. **Electroencephalogr Clin Neurophysiol** 45(4):483–95, Oct 78

Speech perception and decision processes in relation to skin conductance and pupillographic measure in schizophrenia. Venables PH, et al. **J Psychiatr Res** 14(1–4):183–90, 1978

SURGERY

Stereotactic amygdalotomy for convulsive and behavioral disorders. Long-term follow-up study. Heimburger RF, et al. **Appl Neurophysiol** 41(1–4):43–51, 1978

Surprise finding 5 years after stereotactic amygdalotomy. Nittner K. **Appl Neurophysiol** 41(1–4):38–42, 1978

HYPOTHALAMO–HYPOPHYSEAL SYSTEM

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373–86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

[Case of holoprosencephaly associated with a hypothalamo–hypophyseal disorder] Kawano N, et al. **Horumon To Rinsho** 26(11):1181–8, Nov 78 **(Jpn)**

ANATOMY & HISTOLOGY

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247–55, 24 Nov 78

Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Pittman QJ, et al. **Brain Res** 157(2):364–8, 24 Nov 78

[Hypothalamo–hypohyseal neurosecretory system reaction to exposure to reactivating doses of testicular antiserum] Zelenskaia TM. **Fiziol Zh** 24(6):813–20, Nov–Dec 78 **(Rus)**

DRUG EFFECTS

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Laughing seizures and precocious puberty (case report and review of the literature). Penfold JL, et al. **Aust Paediatr J** 14(3):185–90, Sep 78

Response of the hypothalamic–pituitary–testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560–4, Nov 78

Investigation of a dopaminergic mechanism for regulating oxytocin release. Seybold VS, et al. **J Pharmacol Exp Ther** 207(2):605–10, Nov 78

Hypothalamic–pituitary effects of cimetidine [letter] Delitala G, et al. **Lancet** 2(8098):1054–5, 11 Nov 78

Dopamine and norepinephrine stimulate somatostatin release by median eminence fragments in vitro. Negro-Vilar A, et al. **Life Sci** 23(14):1493–7, 9 Oct 78

[Oestrogens and clinical supervision: criterion of the hypothalamo-hypophyseal response to clomiphen citrate (proceedings) (author's transl)] Levrier M, et al. **Ann Endocrinol (Paris)** 39(3):261-2, 1978 (Eng. Abstr.) **(Fre)**

[Hypothalamo-hypohyseal neurosecretory system reaction to exposure to reactivating doses of testicular antiserum] Zelenskaia TM. **Fiziol Zh** 24(6):813-20, Nov-Dec 78 **(Rus)**

[Effect of histamine and pentagastrin on the functional state of the hypothalamo-neurohypophyseal secretory system] Kosenko AF, et al. **Fiziol Zh SSSR** 64(9):1273-7, Sep 78 (Eng. Abstr.) **(Rus)**

[Age and reduction in the sensitivity of the hypothalamo-hypophyseal complex to the inhibiting effect of dexamethasone. Effect of stress, polypeptide epiphyseal extract and phenformin] Ostroumova MN. **Probl Endokrinol (Mosk)** 24(6):59-64, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Effectiveness of single LH-RH stimulation in hypoestrogenis amenorrhea] Ruiz Velasco V, et al. **Ginecol Obstet Mex** 44(264):275-84, Oct 78 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[Maturation of vasopressin in the hypothalamo-hypophyseal system of the developing rat (proceedings) (author's transl)] Sinding C, et al. **Ann Endocrinol (Paris)** 39(3):223-4, 1978 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

[Maturation of vasopressin in the hypothalamo-hypophyseal system of the developing rat (proceedings) (author's transl)] Sinding C, et al. **Ann Endocrinol (Paris)** 39(3):223-4, 1978 (Eng. Abstr.) **(Fre)**

METABOLISM

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620-7, Oct 78

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251-69, Aug 78 (83 ref.)

LH secretion in the cockerel and the effects of castration and testosterone injections. Wilson SC. **Gen Comp Endocrinol** 35(4):481-90, Aug 78

Investigation of a dopaminergic mechanism for regulating oxytocin release. Seybold VS, et al. **J Pharmacol Exp Ther** 207(2):605-10, Nov 78

Simultaneous radioenzymatic assay of catecholamines and dihydroxy-phenylacetic acid /DOPAC/; comparison of the effects of drugs on the tuberoinfundibular and striatal dopamine metabolism and on plasma prolactin level. Fekete MI, et al. **Life Sci** 23(15):1549-56, 16 Oct 78

[Neuroendocrinological studies of affective disorders (author's transl)] Matussek N. **Nervenarzt** 49(10):569-75, Oct 78 **(Ger)**

PHYSIOLOGY

A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Pirke KM, et al. **Acta Endocrinol (Copenh)** 89(4):789-95, Dec 78

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing agonists and antagonists. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):726-36, Dec 78

Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Sithichoke N, et al. **Acta Endocrinol (Copenh)** 89(4):737-43, Dec 78

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752-7, 1 Dec 78 (36 ref.)

Neuropharmacological intervention on the pituitary-hypothalamic relationship. Tuomisto J. **Ann Clin Res** 10(3):120-32, 1978

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638-41, Nov 78

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99-106, 1977 (24 ref.)

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305-27, Aug 78 (57 ref.)

A delayed effect of noradrenaline infusion on plasma cortisol level in man [proceedings] Few JD, et al. **J Physiol (Lond)** 282:43P, Sep 78

Catecholamines of supposed inhibitory hypophysiotrophic function suppress action potentials in prolactin cells. Taraskevich PS, et al. **Nature** 276(5690):832-4, 21--28 Dec 78

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64-8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Sexual function and affect in parkinsonian men treated with L-dopa. Brown E, et al. **Am J Psychiatry** 135(12):1552-5, Dec 78

The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Lieblich JM, et al. **Ann Intern Med** 89(6):910-6, Dec 78

Growth and hormonal status of children treated for acute lymphoblastic leukaemia. Swift PG, et al. **Arch Dis Child** 53(11):890-4, Nov 78

Sex hormone levels and gonadotrophin release in premature ovarian failure. Duignan NM, et al. **Br J Obstet Gynaecol** 85(11):862-7, Nov 78

Body weight and endocrine function in anorexia nervosa [letter] Wakeling A, et al. **Br Med J** 2(6145):1164, 21 Oct 78

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391-409, Aug 78 (91 ref.)

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560-4, Nov 78

Neuroendocrine procedures for the diagnosis of depression. pp. 231-6. Carroll BJ. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188-91, 1978

[Disorders in the regulation of the hypothalamic-pituitary-gonadal axis in anorexia nervosa] Baranowska B, et al. **Endokrynol Pol** 29(6):475-84, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

[Hormonal state of patients with anorexia nervosa] Baranowska B, et al. **Pol Tyg Lek** 33(45):1753-6, 6 Nov 78 (Eng. Abstr.) **(Pol)**

[Modern views on climacterium in women] Wolny HL, et al. **Wiad Lek** 31(19):1369-74, 1 Oct 78 (59 ref.) (Eng. Abstr.) **(Pol)**

[Climacteric cardiopathy] Kretova NE. **Klin Med (Mosk)** 56(10):40-4, Oct 78 (Eng. Abstr.) **(Rus)**

[State of the hypothalamo-hypophyseo-adrenal cortex system in rabbits during cholesterol loading] Livshits IB. **Probl Endokrinol (Mosk)** 24(6):50-4, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69-73, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

SECRETION

Hypothalamic-pituitary effects of cimetidine [letter] Delitala G, et al. **Lancet** 2(8098):1054-5, 11 Nov 78

[12 cases of polycystic ovary type 1 (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191-9, 1978 (Eng. Abstr.) **(Fre)**

[Maturation of vasopressin in the hypothalamo-hypophyseal system of the developing rat (proceedings) (author's transl)] Sinding C, et al. **Ann Endocrinol (Paris)** 39(3):223-4, 1978 (Eng. Abstr.) **(Fre)**

SURGERY

Response of the hypothalamic-pituitary-testicular axis to surgery. Glass AR, et al. **Fertil Steril** 30(5):560-4, Nov 78

HYPOTHALAMUS

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171-83, 1978 (182 ref.)

Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Jackson IM, et al. **Ann Neurol** 3(5):458-61, May 78

Laughing seizures and precocious puberty (case report and review of the literature). Penfold JL, et al. **Aust Paediatr J** 14(3):185–90, Sep 78

Plasma TSH and prolactin response to insulin induced hypoglycemia in patients with hypothalamic pituitary disorsers. Demura R, et al. **Endocrinol Jpn** 25(4):361–5, Aug 78

Dopamine receptors in the central thermoregulatory pathways of the rat. Cox B, et al. **J Physiol (Lond)** 282:471–83, Sep 78

Effects of catecholamine manipulations on three different self-stimulation behaviors. White N, et al. **Pharmacol Biochem Behav** 9(3):273–8, Sep 78

Telemetry of human cerebral temperature. Dabbs JM Jr, et al. **Psychophysiology** 15(6):599–603, Nov 78

[Radioimmunologic determination of FSH and LH in the blood of women with the hypothalamic syndrome] Baron J, et al. **Endokrynol Pol** 29(6):485–90, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

ANALYSIS

The amino acid sequence of radioimmunoassayable neurotensin from bovine intestine. Carraway R, et al. **J Biol Chem** 253(22):7996–8, 25 Nov 78

[Changes in the amount of protein in hypothalamic neurons of sexually mature rats castrated neonatally] Borisova NA, et al. **Biull Eksp Biol Med** 86(11):586–9, Nov 78 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine on the hypothalamic concentration of biogenic amines in rats of different ages] Ostroumova MN, et al. **Fiziol Zh SSSR** 64(10):1382–5, Oct 78 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in the concentration of estradiol receptors in the cytosol of rat female hypothalamus during postnatal development] Babichev VN, et al. **Probl Endokrinol (Mosk)** 24(6):55–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Pittman QJ, et al. **Brain Res** 157(2):364–8, 24 Nov 78

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. I. Intra- and extra-hypothalamic projections. Siverman AJ, et al. **Brain Res** 157(2):233–46, 24 Nov 78

Synapses of optic nerve afferents in the rat suprachiasmatic nucleus. II. Structural variability as revealed by morphometric examination. Güldner FH. **Cell Tissue Res** 194(1):37–54, 9 Nov 78

The hypothalamic neurosecretory systems of the Japanese quail as revealed by retrograde transport of horseradish peroxidase. Mikami S, et al. **Cell Tissue Res** 194(1):1–15, 9 Nov 78

The efferent connections of the anterior hypothalamic area of the rat, cat and monkey. Saper CB, et al. **J Comp Neurol** 182(4):575–99, 15 Dec 78

The accessory optic system and the retino-hypothalamic system. A review. Mai JK. **J Hirnforsch** 19(3):213–88, 1978

The anatomy of emotion. Crawford JP. **Med Hypotheses** 4(4):311–23, Jul–Aug 78

Organization of the hypothalamic-amygdaloid system in rabbits. Sollertinskaya TN, et al. **Neurosci Behav Physiol** 8(3):245–53, Jul–Sep 77

Application of cobalt-filling technique to show retinal projections in the frog. Lázár G. **Neuroscience** 3(8):725–36, 1978

[Morphological studies of the matrix in human hypothalamus] Staudt J, et al. **Z Mikrosk Anat Forsch** 91(4):773–86, 1977 (Eng. Abstr.) **(Ger)**

[Functional morphology of accessory neurosecretory cells in cat hypothalamus] Borisova EA. **Biull Eksp Biol Med** 86(11):604–7, Nov 78 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Unilateral asterixis [letter] Massey EW, et al. **JAMA** 241(2):133–4, 12 Jan 79

[Effect of craniocerebral injury on the reactive characteristics of the hypothalamic and hippocampal vessels in hypoxia] Orestenko IuN, et al. **Kosm Biol Aviakosm Med** 12(6):76–9, Nov–Dec 78 **(Rus)**

CYTOLOGY

Morphological changes in the rat supraoptic and paraventricular nuclei during the diurnal cycle. Armstrong WE, et al. **Brain Res** 157(2):407–13, 24 Nov 78

Intranuclear inclusions in pericytes of the hypothalamus of the rat. Lafarga M, et al. **Cell Tissue Res** 193(2):315–22, 17 Oct 78

The effect of the neonatal testosterone treatment on the postnatal cell formation of the rat brain. Seress L. **Med J Osaka Univ** 28(3–4):285–9, Mar 78

[Quantitative evaluation of autoradiograms of single cells by means of DENSITRON II and further possibilities for the use of the appliance] Hess J, et al. **Acta Histochem [Suppl] (Jena)** 15:417–20, 1975 **(Ger)**

[Functional morphology of accessory neurosecretory cells in cat hypothalamus] Borisova EA. **Biull Eksp Biol Med** 86(11):604–7, Nov 78 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Effects of althesin and ketamine on resting and stress stimulated adrenocortical activity in rats. Nisticò G, et al. **Br J Anaesth** 50(9):891–7, Sep 78

Intrahypothalamic injections of kainic acid produce feeding and drinking deficits in rats. Stricker EM, et al. **Brain Res** 158(2):470–3, 15 Dec 78

Serum thyroxin levels during hyperthermia evoked in the monkey by intrahypothalamic injection of PGE1, 5-HT or pyrogen. Simpson CW, et al. **Brain Res Bull** 3(3):275–8, May–Jun 78

Effects of estrogen upon hypothalamic vulnerability to goldthioglucose in mice. Young JK, et al. **Brain Res Bull** 3(3):231–5, May–Jun 78

Autonomic response of the fish to pyrogen. Nagai M, et al. **Experientia** 34(9):1177–8, 15 Sep 78

Central neural pathways for angiotensin-induced thirst. Mogenson GJ, et al. **Fed Proc** 37(13):2683–8, Nov 78

Group A streptococcal pyrogenic exotoxin: pyrogenicity, alteration of blood–brain barrier, and separation of sites for pyrogenicity and enhancement of lethal endotoxin shock. Schlievert PM, et al. **Infect Immun** 21(3):753–63, Sep 78

Potentiation of hyperphagia and relief of hypothermia in the genetically obese mouse (genotype, ob/ob) by alpha-methyl tyrosine. Batt RA, et al. **Int J Obes** 2(3):303–7, 1978

Three anorectic drugs: similar structures but different effects on brain and behavior. Hoebel BG. **Int J Obes** 2(2):157–66, 1978

Effect of propylthiouracil and thyroxine on the inactivation of somatostatin by rat hypothalamus. Dupont A, et al. **Life Sci** 23(20):2007–11, 13 Nov 78

Naloxone blocks the excitatory effect of ethanol and chlordiazepoxide on lateral hypothalamic self-stimulation behavior. Lorens SA, et al. **Life Sci** 23(13):1359–64, 2 Oct 78

Modification of noradrenergic hypothalamic system in rat injected with phosphatidylserine liposomes. Toffano G, et al. **Life Sci** 23(10):1093–101, 11 Sep 78

The effect of the neonatal testosterone treatment on the postnatal cell formation of the rat brain. Seress L. **Med J Osaka Univ** 28(3–4):285–9, Mar 78

Aspirin and acetaminophen: a comparative view of their antipyretic and analgesic activity. Lovejoy FH Jr. **Pediatrics** 62(5 Pt 2 Suppl):904–9, Nov 78 (12 ref.)

The influence of high ambient temperature on thermoregulatory response to intrahypothalamic injections of noradrenaline and serotonin in the pigeon. Pyörnilä A, et al. **Pfluegers Arch** 377(1):51–5, 18 Oct 78

Psychomotor behaviour and cardiovascular patterns during stimulation of the amygdala. Stock G, et al. **Pfluegers Arch** 376(2):177–84, 6 Sep 78

Apomorphine-induced inhibition of episodic LH release in ovariectomized rats with complete hypothalamic deafferentation. Arendash GW, et al. **Proc Soc Exp Biol Med** 159(1):121–5, Oct 78

Acute and continuous morphine administration on the gamma-aminobutyric acid system in the mouse. Tzeng SF, et al. **Prog Neuropsychopharmacol** 2(1):55–64, 1978

[Immunocytochemical localization of neurons containing ACTH 17–39 in the rat brain] Toubeau G. **C R Acad Sci [D] (Paris)** 287(5):499–502, 18 Sep 78 (Eng. Abstr.) **(Fre)**

[Effect of thyroxine on the hypothalamic concentration of biogenic amines in rats of different ages] Ostroumova MN, et al. **Fiziol Zh SSSR** 64(10):1382–5, Oct 78 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Description of neurons immunoreactive to anti-beta-endorphin immune serum present in the infundibular nucleus in man] Bloch B, et al. **C R Acad Sci [D] (Paris)** 287(4):309–12, 11 Sep 78 (Eng. Abstr.) **(Fre)**

[Morphological studies of the matrix in human hypothalamus] Staudt J, et al. **Z Mikrosk Anat Forsch** 91(4):773–86, 1977 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Regional distribution of angiotensinogen in rat brain. Lewicki JA, et al. **Brain Res** 158(2):359–71, 15 Dec 78

Enzymatic degradation of somatostatin by rat plasma and hypothalamus. Dupont A, et al. **Can J Physiol Pharmacol** 56(5):840–3, Oct 78

Pyridoxal phosphatase: cytochemical localization in GERL and other organelles of rat neurons. Spater HW, et al. **J Histochem Cytochem** 26(10):809–21, Oct 78

Effect of propylthiouracil and thyroxine on the inactivation of somatostatin by rat hypothalamus. Dupont A, et al. **Life Sci** 23(20):2007–11, 13 Nov 78

GROWTH & DEVELOPMENT

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

The effect of the neonatal testosterone treatment on the postnatal cell formation of the rat brain. Seress L. **Med J Osaka Univ** 28(3–4):285–9, Mar 78

[Dynamics of changes in the concentration of estradiol receptors in the cytosol of rat female hypothalamus during postnatal development] Babichev VN, et al. **Probl Endokrinol (Mosk)** 24(6):55–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Description of neurons immunoreactive to anti-beta-endorphin immune serum present in the infundibular nucleus in man] Bloch B, et al. **C R Acad Sci [D] (Paris)** 287(4):309–12, 11 Sep 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Catecholamines in some hypothalamic and telencephalic nuclei of food deprived rats. Stachowiak M, et al. **Acta Neurobiol Exp (Warsz)** 38(4):157–65, 1978

Activation of histamine H2-receptors by St 600. Caputi AP, et al. **Agressologie** 19(1):35–7, 1978

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77

Biosynthesis of a ubiquitin-related peptide in rat brain and in human and mouse pituitary tumors. Scherrer H, et al. **Biochem Biophys Res Commun** 84(4):874–85, 30 Oct 78

Effects of althesin and ketamine on resting and stress stimulated adrenocortical activity in rats. Nisticò G, et al. **Br J Anaesth** 50(9):891–7, Sep 78

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

Chronic treatment with haloperidol accelerates the biosynthesis of enkephalins in rat striatum. Hong JS, et al. **Brain Res** 160(1):192–5, 5 Jan 79

Brain metabolism and specific transport at the blood-brain barrier after portocaval anastomosis in the rat. Sarna GS, et al. **Brain Res** 160(1):69–83, 5 Jan 79

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

Central neural pathways for angiotensin-induced thirst. Mogenson GJ, et al. **Fed Proc** 37(13):2683–8, Nov 78

Central receptor sites for angiotensin-induced drinking: a critical review. Simpson JB, et al. **Fed Proc** 37(13):2676–82, Nov 78 (36 ref.)

Synaptosomes and brain slices as in vitro models for the characterization of antidepressant drugs. pp. 17–35. Schacht U, et al. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Topography of estrogen target cells in the forebrain of goldfish, Carassius auratus. Kim YS, et al. **J Comp Neurol** 182(4):611–20, 15 Dec 78

The organization of monoamine-containing neurons in the brain of the sunfish (Lepomis gibbosus) as revealed by fluorescence microscopy. Parent A, et al. **J Comp Neurol** 182(3):495–516, 1 Dec 78

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Effect of oestradiol-17beta on monoamine concentrations in the hypothalamus of anoestrous ewe [proceedings] Kendall DA, et al. **J Physiol (Lond)** 282:44P–45P, Sep 78

beta-Endorphin-like immunoreactivity in plasma, pituitaries and hypothalamus of rats following treatment with opiates. Höllt V, et al. **Life Sci** 23(10):1057–65, 11 Sep 78

Diurnal variations of medial basal and anterior hypothalamic thyroliberin [TRH] and serum thyrotropin [TSH] concentrations in male rats. Männistö PT, et al. **Life Sci** 23(13):1343–49, 2 Oct 78

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

Pineal removal or denervation: effects on hypothalamic PRF activity in the rat. Blask DE, et al. **Mol Cell Endocrinol** 11(3):243–8, Sep 78

The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Hoffman WE, et al. **Neuropharmacology** 17(11):919–23, Nov 78

The effects of prostaglandins E2 and F2alpha on synaptosomal accumulation and release of 3H-norepinephrine. Wendel OT, et al. **Prostaglandins** 16(3):441–9, Sep 78

Angiotensin regulates release and synthesis of serotonin in brain. Nahmod VE, et al. **Science** 202(4372):1091–3, 8 Dec 78

[Hypothalamus regulatory hormones] Voelter W, et al. **Med Welt** 29(44):1728–30, 3 Nov 78 **(Ger)**

[Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Higuchi T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1163–86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Dynamics of serotonin level changes in the hypothalamus, septum, and amygdala in rats under stress (author's transl)] Culman J, et al. **Bratisl Lek Listy** 70(4):465–70, Oct 78 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Hypothalamic-pituitary changes in diabetes insipidus demonstrated by computerised tomography [letter] Manelfe C, et al. **Lancet** 2(8104–5):1379–80, 23–30 Dec 78

PHYSIOLOGY

Signe and Ane Gyllenberg Foundation, Helsingfors: Neuroendocrine symposium, September 22–23, 1978, Swedish-Finnish Cultural Centre, Hanaholmen (Esbo), Finland. Abstracts. **Acta Endocrinol [Suppl] (Copenh)** 89(220):3–29, 1978

Noradrenergic stimulation of the lateral hypothalamus as a reinforcement in T maze learning in rats. Cytawa J, et al. **Acta Neurobiol Exp (Warsz)** 38(4):209–13, 1978

The supraspinal control of the urinary bladder. Carlsson CA. **Acta Pharmacol Toxicol (Copenh)** 43(2):8–12, 1978

The effect of estrogens on hypothalamic structure and function. Naftolin F, et al. **Am J Obstet Gynecol** 132(7):758–65, 1 Dec 78

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Non-rhythmical hippocampal units, theta rhythm and afferent stimulation. García-Sánchez JL, et al. **Brain Res Bull** 3(3):213–9, May–Jun 78

Enhanced passive avoidance learning and appetitive T-maze learning with post-trial rewarding hypothalamic stimulation. Huston JP, et al. **Brain Res Bull** 3(3):265–70, May–Jun 78

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82,

Aug 78 (44 ref.)

Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Tureková L, et al. **Endocrinol Exp (Bratisl)** 12(3):171–8, Sep 78

Electrical self-stimulation of the brain: a model for the behavioral evaluation of toxic agents. Annau Z. **Environ Health Perspect** 26:59–67, Oct 78

Effect of hypothalamic stimulation in spontaneously hypertensive and Wistar-Kyoto rats. Juskevich JC, et al. **Eur J Pharmacol** 51(4):429–39, 15 Oct 78

Sex differences in prolactin release after stimulation of the preoptic-suprachiasmatic region at selected pulse frequencies in castrated rats. Colombo JA. **Exp Neurol** 61(2):455–64, 1 Sep 78

Distribution and properties of diencephalic neuronal responses to genital stimulation in the female cat. Rose JD. **Exp Neurol** 61(2):231–44, 1 Sep 78

Topographic localisation of insulinogenic and insulinoprival areas in the hypothalamus. Garg SK, et al. **Experientia** 34(9):1237–8, 15 Sep 78

Activation of hypothalamic neuronal activity by the electrolytic deposition of iron into the preoptic area. van der Schoot P, et al. **J Endocrinol** 79(1):107–20, Oct 78

The accessory optic system and the retino-hypothalamic system. A review. Mai JK. **J Hirnforsch** 19(3):213–88, 1978

The central control of shivering and non-shivering thermogenesis in the rat. Banet M, et al. **J Physiol (Lond)** 283:569–84, Oct 78

Visual tracking and neuron activity in the post-arcuate area in monkeys. Kubota K, et al. **J Physiol (Paris)** 74(3):297–312, 1978

Naloxone blocks the excitatory effect of ethanol and chlordiazepoxide on lateral hypothalamic self-stimulation behavior. Lorens SA, et al. **Life Sci** 23(13):1359–64, 2 Oct 78

The anatomy of emotion. Crawford JP. **Med Hypotheses** 4(4):311–23, Jul-Aug 78

Influence of hypothalamic stimulation upon the ultrastructure of the anterior pituitary gland. Part 4. Mammotrophs. Shiotani Y, et al. **Med J Osaka Univ** 28(3–4):291–304, Mar 78

Early changes in gluconeogenesis and lipogenesis following destruction of the ventromedial hypothalamic nuclei. Goldman JK, et al. **Metabolism** 27(12 Suppl 2):2006–8, Dec 78

Organization of the hypothalamic-amygdaloid system in rabbits. Sollertinskaya TN, et al. **Neurosci Behav Physiol** 8(3):245–53, Jul-Sep 77

Effect of lateral hypothalamic lesion on body temperature in the chicken. Yamauchi K, et al. **Nippon Juigaku Zasshi** 40(6):707–18, Dec 78

The influence of high ambient temperature on thermoregulatory response to intrahypothalamic injections of noradrenaline and serotonin in the pigeon. Pyörnilä A, et al. **Pfluegers Arch** 377(1):51–5, 18 Oct 78

Role of hypothalamic alpha and beta adrenergic receptors in the control of lordotic behavior in the ovariectomized-estrogen primed rat. Foreman MM, et al. **Pharmacol Biochem Behav** 9(2):235–41, Aug 78

Apomorphine-induced inhibition of episodic LH release in ovariectomized rats with complete hypothalamic deafferentation. Arendash GW, et al. **Proc Soc Exp Biol Med** 159(1):121–5, Oct 78

[Dopamine, GABA-PIF and in vitro regulation of prolactin secretion in the rat (proceedings) (author's transl)] Enjalbert A, et al. **Ann Endocrinol (Paris)** 39(3):237–8, 1978 (Eng. Abstr.) **(Fre)**

[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. **Probl Actuels Endocrinol Nutr** (21):13–41, 1977 (71 ref.) **(Fre)**

[An old man and a child. Biological differences and similarities] Halikowski B. **Fortschr Med** 96(42):2157–63, 9 Nov 78 **(Ger)**

[Effects of K-373 (prazepam) on electroencephalogram and pressor response to hypothalamic stimulation (author's transl)] Shimizu S, et al. **Igaku Kenkyu** 48(3):220–30, Apr 78 (Eng. Abstr.) **(Jpn)**

[Histological study of pancreatic islets in hypothalamic obese rats (author's transl)] Izumi H. **Nippon Naibunpi Gakkai Zasshi** 54(7):876–90, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Mechanisms of neurotransmission regulating circadian rhythms (author's transl)] Toru M. **Tanpakushitsu Kakusan Koso** 23(11):1093–105, Oct 78 (112 ref.) **(Jpn)**

[Experimental reproduction of a secondary pacemaker center for alimentary motivation] Adams D, et al. **Biull Eksp Biol Med** 86(11):515–7, Nov 78 (Eng. Abstr.) **(Rus)**

[Role of cholinergic and serotoninergic processes in modulating the activity of the negative reinforcement system] Andreev BV. **Biull Eksp Biol Med** 86(11):552–4, Nov 78 (Eng. Abstr.) **(Rus)**

[Functional morphology of accessory neurosecretory cells in cat hypothalamus] Borisova EA. **Biull Eksp Biol Med** 86(11):604–7, Nov 78 (Eng. Abstr.) **(Rus)**

[Analgesic effect of electric stimulation of the dorsomedial hypothalamus in rabbits] Golanov EV, et al. **Dokl Akad Nauk SSSR** 242(2):469072, 1978 **(Rus)**

[Interaction between the hypothalamic and bulbar levels of blood circulation regulation] Tsybenko VA, et al. **Fiziol Zh** 24(6):729–36, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of hypothalamo-cortical and reticulo-cortical evoked potentials] Eganova VS, et al. **Fiziol Zh SSSR** 64(10):1361–71, Oct 78 (Eng. Abstr.) **(Rus)**

[Mechanisms causing repeated pedal pressing during self stimulation of the brain] Grigor'ian GA. **Zh Vyssh Nerv Deiat** 28(5):1012–9, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

[Alteration of the hypothalamic electrical stimulation disconnection reaction in rats during chronic morphine administration] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 28(5):1020–6, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Pubertal development in the Prader-Labhart-Willi syndrome. Kauli R, et al. **Acta Paediatr Scand** 67(6):763–7, Nov 78

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Tureková L, et al. **Endocrinol Exp (Bratisl)** 12(3):171–8, Sep 78

Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Andler W, et al. **Helv Paediatr Acta** 33(4–5):393–400, Nov 78

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394–403, 1978

Definition, measurement, and classification of the syndromes of obesity. Bray GA. **Int J Obes** 2(2):99–112, 1978

Selection of patients for human menopausal gonadotropin therapy. Berger MJ. **J Reprod Med** 21(3 Suppl):194–7, Sep 78

Hypothalamic implications of crib death [letter] Goodkin F. **Lancet** 2(8097):997, 4 Nov 78

Defective long-term caloric regulation in obesity. Folstein MF, et al. **Natl Inst Drug Abuse Res Monogr Ser** (20):182–8, Jul 78

[Radioimmunologic determination of FSH and LH in the blood of women with the hypothalamic syndrome] Baron J, et al. **Endokrynol Pol** 29(6):485–90, Nov-Dec 78 (Eng. Abstr.) **(Pol)**

[Solar-hypothalamic syndrome in diaphragmatic hernias] Agte BS, et al. **Vrach Delo** (11):46–9, Nov 78 (Eng. Abstr.) **(Rus)**

[Relationship between plasma levels of cortisol and corticosterone in subjects with different ACTH activity (author's transl)] Rodríguez JA, et al. **Rev Med Chil** 106(6):415–9, Jun 78 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography in the evaluation of sella and parasella lesions: the value of sagittal and coronal reconstructions. Maravilla KR, et al. **Comput Tomogr** 2(3):237–49, 1978

SECRETION

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

[Physiology of the sex hormones] Zander J. **Fortschr Med** 96(40):2007–13, 26 Oct 78 **(Ger)**

SURGERY

A study of permanent adipsia induced by medial forebrain lesions. Rundgren M, et al. **Acta Physiol Scand** 103(4):463–71, Aug 78

Influence of stereotactic hypothalamotomy on alcohol and drug addiction. Dieckmann G, et al. **Appl Neurophysiol** 41(1–4):93–8, 1978

The posteromedial hypothalamus and pain, behavior, with

special reference to endocrinological findings. Mayanagi Y, et al. **Appl Neurophysiol** 41(1–4):223–31, 1978

Effect of lateral hypothalamic lesion on body temperature in the chicken. Yamauchi K, et al. **Nippon Juigaku Zasshi** 40(6):707–18, Dec 78

ULTRASTRUCTURE

Presenile dementia with Lewy bodies and neurofibrillary tangles. Forno LS, et al. **Arch Neurol** 35(12):818–22, Dec 78

Synapses of optic nerve afferents in the rat suprachiasmatic nucleus. I. Identification, qualitative description, development and distribution. Güldner FH. **Cell Tissue Res** 194(1):17–35, 9 Nov 78

Intranuclear inclusions in pericytes of the hypothalamus of the rat. Lafarga M, et al. **Cell Tissue Res** 193(2):315–22, 17 Oct 78

Immunoelectronmicroscopic localization of vasopressin in the rat suprachiasmatic nucleus. van Leeuwen FW, et al. **Cell Tissue Res** 193(1):1–10, 6 Oct 78

Ultrastruct of the hypothalamic neurosecretory nuclei of the dormouse (Eliomys quercinus L.) in the awakening and hibernating states. Machín-Santamaría C. **J Anat** 127(2):239–49, Oct 78

HYPOTHALAMUS, ANTERIOR

ANALYSIS

[Changes in the amount of protein in hypothalamic neurons of sexually mature rats castrated neonatally] Borisova NA, et al. **Biull Eksp Biol Med** 86(11):586–9, Nov 78 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The efferent connections of the anterior hypothalamic area of the rat, cat and monkey. Saper CB, et al. **J Comp Neurol** 182(4):575–99, 15 Dec 78

[Morphological studies of the matrix in human hypothalamus] Staudt J, et al. **Z Mikrosk Anat Forsch** 91(4):773–86, 1977 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Effect of craniocerebral injury on the reactive characteristics of the hypothalamic and hippocampal vessels in hypoxia] Orestenko IuN, et al. **Kosm Biol Aviakosm Med** 12(6):76–9, Nov–Dec 78 **(Rus)**

DRUG EFFECTS

Noradrenergic stimulation of the lateral hypothalamus as a reinforcement in T maze learning in rats. Cytawa J, et al. **Acta Neurobiol Exp (Warsz)** 38(4):209–13, 1978

Activation of hypothalamic neuronal activity by the electrolytic deposition of iron into the preoptic area. van der Schoot P, et al. **J Endocrinol** 79(1):107–20, Oct 78

EMBRYOLOGY

[Morphological studies of the matrix in human hypothalamus] Staudt J, et al. **Z Mikrosk Anat Forsch** 91(4):773–86, 1977 (Eng. Abstr.) **(Ger)**

METABOLISM

Diurnal variations of medial basal and anterior hypothalamic thyroliberin [TRH] and serum thyrotropin [TSH] concentrations in male rats. Männistö PT, et al. **Life Sci** 23(13):1343–49, 2 Oct 78

PHYSIOLOGY

Noradrenergic stimulation of the lateral hypothalamus as a reinforcement in T maze learning in rats. Cytawa J, et al. **Acta Neurobiol Exp (Warsz)** 38(4):209–13, 1978

A study of permanent adipsia induced by medial forebrain lesions. Rundgren M, et al. **Acta Physiol Scand** 103(4):463–71, Aug 78

Activation of hypothalamic neuronal activity by the electrolytic deposition of iron into the preoptic area. van der Schoot P, et al. **J Endocrinol** 79(1):107–20, Oct 78

SURGERY

A study of permanent adipsia induced by medial forebrain lesions. Rundgren M, et al. **Acta Physiol Scand** 103(4):463–71, Aug 78

ULTRASTRUCTURE

Ultrastruct of the hypothalamic neurosecretory nuclei of the dormouse (Eliomys quercinus L.) in the awakening and hibernating states. Machín-Santamaría C. **J Anat** 127(2):239–49, Oct 78

HYPOTHALAMUS, MEDIAL

ANATOMY & HISTOLOGY

Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Pittman QJ, et al. **Brain Res** 157(2):364–8, 24 Nov 78

[Morphological studies of the matrix in human hypothalamus] Staudt J, et al. **Z Mikrosk Anat Forsch** 91(4):773–86, 1977 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Luteinizing hormone releasing action of N-methyl aspartate is blocked by GABA or taurine but not by dopamine antagonists. Price MT, et al. **Brain Res** 158(2):461–5, 15 Dec 78

Regional and subcellular distribution of gold in brain of gold thioglucose obese mouse. Kataoka K, et al. **Brain Res Bull** 3(3):257–63, May–Jun 78

Effects of estrogen upon hypothalamic vulnerability to goldthioglucose in mice. Young JK, et al. **Brain Res Bull** 3(3):231–5, May–Jun 78

EMBRYOLOGY

[Morphological studies of the matrix in human hypothalamus] Staudt J, et al. **Z Mikrosk Anat Forsch** 91(4):773–86, 1977 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Regional and subcellular distribution of gold in brain of gold thioglucose obese mouse. Kataoka K, et al. **Brain Res Bull** 3(3):257–63, May–Jun 78

METABOLISM

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

Diurnal variations of medial basal and anterior hypothalamic thyroliberin [TRH] and serum thyrotropin [TSH] concentrations in male rats. Männistö PT, et al. **Life Sci** 23(13):1343–49, 2 Oct 78

PHYSIOLOGY

Effects of gonadectomy on hypothalamic obesity in male and female rats. Kemnitz JW, et al. **Int J Obes** 1(3):259–70, 1977

Early changes in gluconeogenesis and lipogenesis following destruction of the ventromedial hypothalamic nuclei. Goldman JK, et al. **Metabolism** 27(12 Suppl 2):2006–8, Dec 78

[Role of cholinergic and serotoninergic processes in modulating the activity of the negative reinforcement system] Andreev BV. **Biull Eksp Biol Med** 86(11):552–4, Nov 78 (Eng. Abstr.) **(Rus)**

HYPOTHALAMUS, POSTERIOR

ANATOMY & HISTOLOGY

The spinoperiventricular fiber system in the rabbit, rat, and cat. Yamada J, et al. **Exp Neurol** 61(2):395–406, 1 Sep 78

PHYSIOLOGY

The posteromedial hypothalamus and pain, behavior, with special reference to endocrinological findings. Mayanagi Y, et al. **Appl Neurophysiol** 41(1–4):223–31, 1978

SURGERY

The posteromedial hypothalamus and pain, behavior, with special reference to endocrinological findings. Mayanagi Y, et al. **Appl Neurophysiol** 41(1–4):223–31, 1978

MEDIAN EMINENCE

ANATOMY & HISTOLOGY

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247–55, 24 Nov 78

Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Pittman QJ, et al. **Brain Res** 157(2):364–8, 24 Nov 78

BLOOD SUPPLY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

DRUG EFFECTS

Simultaneous radioenzymatic assay of catecholamines and dihydroxy-phenylacetic acid /DOPAC/; comparison of the effects of drugs on the tuberoinfundibular and striatal dopamine metabolism and on plasma prolactin level. Fekete MI, et al. **Life Sci** 23(15):1549–56, 16 Oct 78

Dopamine and norepinephrine stimulate somatostatin release by median eminence fragments in vitro. Negro-Vilar A, et al. **Life Sci** 23(14):1493–7, 9 Oct 78

METABOLISM

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Höhn KG, et al. **Brain Res** 156(2):241–52, 10 Nov 78

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Simultaneous radioenzymatic assay of catecholamines and dihydroxy-phenylacetic acid /DOPAC/; comparison of the effects of drugs on the tuberoinfundibular and striatal dopamine metabolism and on plasma prolactin level. Fekete MI, et al. **Life Sci** 23(15):1549–56, 16 Oct 78

Dopamine and norepinephrine stimulate somatostatin release by median eminence fragments in vitro. Negro-Vilar A, et al. **Life Sci** 23(14):1493–7, 9 Oct 78

PHYSIOLOGY

Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Tureková L, et al. **Endocrinol Exp (Bratisl)** 12(3):171–8, Sep 78

Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Krulich L, et al. **Life Sci** 23(16):1665–73, 23 Oct 78

ULTRASTRUCTURE

The hypothalamic neurosecretory systems of the Japanese quail as revealed by retrograde transport of horseradish peroxidase. Mikami S, et al. **Cell Tissue Res** 194(1):1–15, 9 Nov 78

NEUROSECRETORY SYSTEMS

ANALYSIS

The effects of octopamine and other amines on the heart and on neuromuscular transmission in decapod crustaceans: further evidence for a role as neurohormone. Florey E, et al. **Comp Biochem Physiol [C]** 61C(1):229–37, 1978

ANATOMY & HISTOLOGY

The hypothalamic neurosecretory systems of the Japanese quail as revealed by retrograde transport of horseradish peroxidase. Mikami S, et al. **Cell Tissue Res** 194(1):1–15, 9 Nov 78

[Hypothalamo–hypohyseal neurosecretory system reaction to exposure to reactivating doses of testicular antiserum] Zelenskaia TM. **Fiziol Zh** 24(6):813–20, Nov–Dec 78 **(Rus)**

CYTOLOGY

Recruitment of cerebral neurosecretory cells from globuli cells in the brain of cockroach, Blatta orientalis (L.). Khan TR. **Folia Morphol (Praha)** 26(4):341–2, 1978

[Functional state of the neuroendocrine elements of the stomach in healthy persons and in patients with pyloroduodenal ulcer] Grokhovskiĭ LP, et al. **Ter Arkh** 50(10):17–20, 1978 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

[Hypothalamo–hypohyseal neurosecretory system reaction to exposure to reactivating doses of testicular antiserum] Zelenskaia TM. **Fiziol Zh** 24(6):813–20, Nov–Dec 78 **(Rus)**

ENZYMOLOGY

Neurone-specific enolase is a molecular marker for peripheral and central neuroendocrine cells. Schmechel D, et al. **Nature** 276(5690):834–6, 21–28 Dec 78

PHYSIOLOGY

The relations of the pars intercerebralis, corpora allata, and juvenile hormone to oocyte development and oviposition in the African migratory locust. Lazaroviçi P, et al. **Gen Comp Endocrinol** 35(4):375–86, Aug 78

Lesioning studies on the gravid female goldfish: neuroendocrine regulation of ovulation. Peter RE, et al. **Gen Comp Endocrinol** 35(4):391–401, Aug 78

Ecdysone-initiated developmental changes in wing epidermis RNA polymerase activity during the adult development of the oak silkmoth, Antheraea pernyi. Nowock J, et al. **Mol Cell Endocrinol** 11(3):325–41, Sep 78

[The effect of the cephalic complex (eyestalks–brain) on the development of infantile and juvenile gonads of Arion subfuscus Drap. (Gasteropoda, Pulmonata) cultured in vitro] Wattez C. **Gen Comp Endocrinol** 35(4):360–74, Aug 78 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Ultrastruct of the hypothalamic neurosecretory nuclei of the dormouse (Eliomys quercinus L.) in the awakening and hibernating states. Machín-Santamaría C. **J Anat** 127(2):239–49, Oct 78

PINEAL BODY

Tumours of the pineal region--neuroradiological aspects. Tucker WG, et al. **Australas Radiol** 21(4):313–24, Dec 77

Melatonin as a marker for pineal tumours [letter] Barber SG. **Br Med J** 2(6141):896, 23 Sep 78

[Contribution of stereotactic methods to diagnosis and treatment of tumors of the pineal region (author's transl)] Pecker J, et al. **Rev Neurol (Paris)** 134(4):287–94, Apr 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Presence of indoleamines in the pineal and parapineal organs of Lampetra planeri (Petromyzontidae)] Meiniel A. **C R Acad Sci [D] (Paris)** 287(4):313–6, 11 Sep 78 (Eng. Abstr.) **(Fre)**

[Age and reduction in the sensitivity of the hypothalamo–hypophyseal complex to the inhibiting effect of dexamethasone. Effect of stress, polypeptide epiphyseal extract and phenformin] Ostroumova MN. **Probl Endokrinol (Mosk)** 24(6):59–64, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

NEURENDOCRINOLOGY

ANATOMY & HISTOLOGY

A technique for pinealectomy in deer, with notes on the neuroanatomy. Letellier MA, et al. **Am J Vet Res** 39(10):1617–20, Oct 78

CYTOLOGY

Quantitative morphology and environmental responses of the pineal gland in the collared lemming (Dicrostonyx groenlandicus). Quay WB. **Am J Anat** 153(4):545–61, Dec 78

The pineal gland of the gerbil, Meriones unguiculatus. I. An ultrastructural study. Welsh MG, et al. **Cell Tissue Res** 193(2):323–36, 17 Oct 78

Seasonal ultrastructural variations in pinealocytes of the woodchuck, Marmota monax. Frink R, et al. **J Morphol** 158(1):91–107, Oct 78

ENZYMOLOGY

Effects of calcium-free medium on the induction of serotonin N-acetyltransferase in the rat pineal. Zatz M, et al. **Biochem Pharmacol** 27(21):2549–53, 1978

Daily change in pineal N-acetyltransferase activity in a diurnal mammal, the ground squirrel. Stephens JL, et al. **Experientia** 34(11):1523–4, 15 Nov 78

The pineal gland: a biological clock in vitro. Binkley SA, et al. **Science** 202(4373):1198–20, 15 Dec 78

METABOLISM

Estimation of the methylating capacity in the pineal gland of the rat with special reference to the methylation of N-acetylserotonin and 5-hydroxytryptophol separately. Balemans MG, et al. **Experientia** 34(11):1434–5, 15 Nov 78

Evidence for in vitro release of neurophysin by the rat pineal gland. Reinharz AC, et al. **Experientia** 34(9):1232–3, 15 Sep 78

Involvement of post-synaptic cytoskeleton in nerve growth factor-induce 'PI-effect'. Lakshmanan J. **FEBS Lett** 95(1):161–4, 1 Nov 78

5-Methoxytryptophol in rat serum and pineal: detection, quantitation, and evidence for daily rhythmicity. Wilson BW, et al. **Life Sci** 23(10):1019–23, 11 Sep 78

PATHOLOGY

Pineal gland and breast cancer [letter] Cohen M, et al. **Lancet** 2(8104–5):1381–2, 23–30 Dec 78

[Contribution to the Louis-Bar syndrome (ataxia telangiectasia) (author's transl)] Tennstedt A. **Zentralbl Allg Pathol** 122(5):485–95, 1978 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Cyclic nucleotides and postsynaptic events. Walton KG. **Essays Neurochem Neuropharmacol** 2:105–49, 1977 (141 ref.)

Studies on the hormonal control of circadian outer segment disc shedding in the rat retina. LaVail MM, et al. **Invest Ophthalmol Vis Sci** 17(12):1189–3, Dec 78

Antiandrogenic effects of the pineal gland and melatonin in castrated and intact prepubertal male rats. Alonso R, et al. **J Endocrinol** 79(1):77–83, Oct 78

Recurrent breeding seasons in pinealectomized or optic-nerve-sectioned ferrets. Herbert J, et al. **J Endocrinol** 78(3):389–97, Sep 78

Testing the TRH hypothesis of pineal function. Vriend J. **Med Hypotheses** 4(4):376–87, Jul–Aug 78

Pineal removal or denervation: effects on hypothalamic PRF activity in the rat. Blask DE, et al. **Mol Cell Endocrinol** 11(3):243–8, Sep 78

The pineal gland: a biological clock in vitro. Binkley SA, et al. **Science** 202(4373):1198–20, 15 Dec 78

[Mechanisms of neurotransmission regulating circadian rhythms (author's transl)] Toru M. **Tanpakushitsu Kakusan Koso** 23(11):1093–105, Oct 78 (112 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of pinealectomy and of sham-pinealectomy on blood glucose levels in the alloxan-diabetic rat. Gorray KC, et al. **Horm Metab Res** 10(5):389–92, Sep 78

RADIOGRAPHY

Tumours of the pineal region--neuroradiological aspects. Tucker WG, et al. **Australas Radiol** 21(4):313–24, Dec 77

[Falx images on CT scan (author's transl)] Akimoto H, et al. **No Shinkei Geka** 6(11):1083–7, Nov 78 (Eng. Abstr.) **(Jpn)**

SECRETION

Role of pineal gland in aetiology and treatment of breast cancer [letter] **Lancet** 2(8097):1001–2, 4 Nov 78

Pineal gland, F.S.H., and breast-cancer aetiology [letter] Adami HO, et al. **Lancet** 2(8103):1312–3, 16 Dec 78

SURGERY

A technique for pinealectomy in deer, with notes on the neuroanatomy. Letellier MA, et al. **Am J Vet Res** 39(10):1617–20, Oct 78

Effects of pinealectomy and of sham-pinealectomy on blood glucose levels in the alloxan-diabetic rat. Gorray KC, et al. **Horm Metab Res** 10(5):389–92, Sep 78

A second brain tumour and irradiation. Robinson RG. **J Neurol Neurosurg Psychiatry** 41(11):1005–12, Nov 78

[Effect of reserpine on the formation of 9,10-dimethyl-1,2-benzanthracene induced tumors in pinealectomized and thymectomized rats] Lapin V. **Onkologie** 1(1):2–5, Feb 78 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Quantitative morphology and environmental responses of the pineal gland in the collared lemming (Dicrostonyx groenlandicus). Quay WB. **Am J Anat** 153(4):545–61, Dec 78

The pineal gland of the gerbil, Meriones unguiculatus. I. An ultrastructural study. Welsh MG, et al. **Cell Tissue Res** 193(2):323–36, 17 Oct 78

Pineal--adenohypophysial relationships in rats. An ultrastructural contribution. Karasek M. **Endokrynol Pol** 29(5):371–9, Sep–Oct 78

Seasonal ultrastructural variations in pinealocytes of the woodchuck, Marmota monax. Frink R, et al. **J Morphol** 158(1):91–107, Oct 78

II. Disorders of the Amygdaloid Body

PINEALOMA

BLOOD

[Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] Takeda F, et al. **No Shinkei Geka** 6(9):871–80, Sep 78 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Contribution of stereotactic methods to diagnosis and treatment of tumors of the pineal region (author's transl)] Pecker J, et al. **Rev Neurol (Paris)** 134(4):287–94, Apr 78 (Eng. Abstr.) **(Fre)**

[Case of pineal body tumor] Solecki J, et al. **Neurol Neurochir Pol** 12(6):761–4, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

MORTALITY

Pineal tumors. A 53-year experience. Donat JF, et al. **Arch Neurol** 35(11):736–40, Nov 78

PATHOLOGY

Pineal tumors. A 53-year experience. Donat JF, et al. **Arch Neurol** 35(11):736–40, Nov 78

[Contribution of stereotactic methods to diagnosis and treatment of tumors of the pineal region (author's transl)] Pecker J, et al. **Rev Neurol (Paris)** 134(4):287–94, Apr 78 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Pineal tumors. A 53-year experience. Donat JF, et al. **Arch Neurol** 35(11):736–40, Nov 78

Tumours of the pineal region--neuroradiological aspects. Tucker WG, et al. **Australas Radiol** 21(4):313–24, Dec 77

RADIOTHERAPY

Radiation therapy of malignant brain tumors. Wara WM, et al. **Clin Neurosurg** 25:397–402, 1978

SURGERY

[Case of pineal body tumor] Solecki J, et al. **Neurol Neurochir Pol** 12(6):761–4, Nov–Dec 78 (Eng. Abstr.) **(Pol)**

THERAPY

Pineal tumors. A 53-year experience. Donat JF, et al. **Arch Neurol** 35(11):736–40, Nov 78

[Contribution of stereotactic methods to diagnosis and treatment of tumors of the pineal region (author's transl)] Pecker J, et al. **Rev Neurol (Paris)** 134(4):287–94, Apr 78 (Eng. Abstr.) **(Fre)**

NEUROENDOCRINOLOGY

III. *Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs*

CORTICOTROPIN RELEASING HORMONE

ADMINISTRATION & DOSAGE

The role of cyclic AMP in CRF-induced ACTH secretion. Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

PHARMACODYNAMICS

The role of cyclic AMP in CRF-induced ACTH secretion. Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

ENDORPHINS

The enkephalins. Peptides with morphine-like activity. Miller RJ, et al. **Naturwissenschaften** 65(10):507–14, Oct 78 (44 ref.)

[A psychological challenge to medicine: is stress a strait-jacket for research?] Karlsson Y. **Nord Med** 93(11–12):281–5, Dec 78 **(Swe)**

ADMINISTRATION & DOSAGE

Antinociceptive effects of intrathecally administered human beta-endorphin in the rat and cat. Yaksh TL, et al. **Can J Physiol Pharmacol** 56(5):754–9, Oct 78

Opiate-receptor mediated changes in monoamine synthesis in rat brain. Garcia-Sevilla JA, et al. **J Pharm Pharmacol** 30(10):613–21, Oct 78

Beta-endorphin: pharmacologic and behavioral activity in cats after low intravenous doses. Catlin DH, et al. **Life Sci** 23(21):2147–54, 20 Nov 78

ANALYSIS

Dangers of indirect data [letter] van der Berg C. **Am J Psychiatry** 135(12):1569–70, Dec 78

Presence of immunoreactive beta-lipotropin and beta-endorphin in human placenta. Nakai Y, et al. **Life Sci** 23(20):2013–8, 13 Nov 78

Characterization of enkephalin-like material extracted from sympathetic ganglia. Di Giulio AM, et al. **Neuropharmacology** 17(11):989–92, Nov 78

[Immunocytological evidence for beta-LPH, alpha- and beta-endorphin in pituitary gland of normal and anencephalic human fetuses (proceedings) (author's transl)] Begeot M, et al. **Ann Endocrinol (Paris)** 39(3):235–6, 1978 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

beta-Endorphin: modulation of acute tolerance and antagonism by endogenous brain systems. Jacquet YF, et al. **Brain Res** 156(2):396–401, 10 Nov 78

Antinociceptive effects of intrathecally administered human beta-endorphin in the rat and cat. Yaksh TL, et al. **Can J Physiol Pharmacol** 56(5):754–9, Oct 78

Reversal of hypnosis-induced analgesia by naloxone [letter] Stephenson JB. **Lancet** 2(8097):991–2, 4 Nov 78

Beta-endorphin: pharmacologic and behavioral activity in cats after low intravenous doses. Catlin DH, et al. **Life Sci** 23(21):2147–54, 20 Nov 78

beta-Endorphin: effects on respiratory regulation. Moss IR, et al. **Life Sci** 23(12):1271–6, 25 Sep 78

Development of tolerance to the ACTH-releasing effects of beta-endorphin. Van Loon GR, et al. **Res Commun Chem Pathol Pharmacol** 22(1):203–4, Oct 78

beta-Endorphin is associated with overeating in genetically obese mice (ob/ob) and rats (fa/fa). Margules DL, et al. **Science** 202(4371):988–91, 1 Dec 78

BIOSYNTHESIS

Chronic treatment with haloperidol accelerates the biosynthesis of enkephalins in rat striatum. Hong JS, et al. **Brain Res** 160(1):192–5, 5 Jan 79

Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. Eipper BA, et al. **J Supramol Struct** 8(3):247–62, 1978

The ACTH 'family tree' of the rhesus monkey changes with development. Silman RE, et al. **Nature** 276(5687):526–8, 30 Nov 78

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

BLOOD

beta-Endorphin-like immunoreactivity in plasma, pituitaries and hypothalamus of rats following treatment with opiates. Höllt V, et al. **Life Sci** 23(10):1057–65, 11 Sep 78

beta-Endorphin is associated with overeating in genetically obese mice (ob/ob) and rats (fa/fa). Margules DL, et al. **Science** 202(4371):988–91, 1 Dec 78

CEREBROSPINAL FLUID

Percutaneous central gray stimulation for cancer pain. Meyerson BA, et al. **Appl Neurophysiol** 41(1–4):57–65, 1978

Rapid inactivation of enkephalin-like material by C.S.F. in chronic schizophrenia [letter] Dupont A, et al. **Lancet** 2(8099):1107, 18 Nov 78

CHEMICAL SYNTHESIS

Synthesis and biological activity of beta-endorphin and analogues. Additional evidence for multiple opiate receptors. Lemaire S, et al. **J Med Chem** 21(12):1232–5, Dec 78

Synthesis, opiate receptor affinity, and conformational parameters of [4-tryptophan]enkephalin analogues. Schiller PW, et al. **J Med Chem** 21(11):1110–6, Nov 78

IMMUNOLOGY

Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. Eipper BA, et al. **J Supramol Struct** 8(3):247–62, 1978

[Description of neurons immunoreactive to anti-beta-endorphin immune serum present in the infundibular nucleus in man] Bloch B, et al. **C R Acad Sci [D] (Paris)** 287(4):309–12, 11 Sep 78 (Eng. Abstr.) **(Fre)**

METABOLISM

Enkephalin-like immunoreactivity in nerve terminals in sympathetic ganglia and adrenal medulla and in adrenal medullary gland cells. Schultzberg M, et al. **Acta Physiol Scand** 103(4):475–7, Aug 78

Is there correlation between analgesic potency and biodegradation of enkephalin analogs? Bajusz S, et al. **Biochem Biophys Res Commun** 84(4):1045–53, 30 Oct 78

Concomitant storage of ACTH- and endorphin-like immunoreactivity in the secretory granules of anterior pituitary corticotrophs. Weber E, et al. **Brain Res** 157(2):385–90, 24 Nov 78

Effects of cycloheximide and/or morphine on enkephalin levels in mouse striatum. Gros C, et al. **Eur J Pharmacol** 51(3):317–8, 1 Oct 78

Inhibition of enkephalin degradation in the guinea pig ileum. Craviso GL, et al. **Life Sci** 23(20):2019–29, 13 Nov 78

beta-Endorphin-like immunoreactivity in plasma, pituitaries and hypothalamus of rats following treatment with opiates. Höllt V, et al. **Life Sci** 23(10):1057–65, 11 Sep 78

High-affinity enkephalin-degrading peptidase in brain is increased after morphine. Malfroy B, et al. **Nature** 276(5687):523–6, 30 Nov 78

PHARMACODYNAMICS

Effect of enkephalin and endorphin analogs on receptors in the mouse vas deferens. Britton DR, et al. **Biochem Pharmacol** 27(18):2275–7, 1978

Rat vas deferens: a specific bioassay for endogenous opioid peptides. Lemaire S, et al. **Br J Pharmacol** 64(3):327–9, Nov

78
beta-Endorphin: modulation of acute tolerance and antagonism by endogenous brain systems. Jacquet YF, et al. **Brain Res** 156(2):396-401, 10 Nov 78
Interaction of morphine, etorphine and enkephalins with dopamine-stimulated adenylate cyclase of monkey amygdala. Walczak SA, et al. **Brain Res** 160(1):105-16, 5 Jan 79
Antinociceptive effects of intrathecally administered human beta-endorphin in the rat and cat. Yaksh TL, et al. **Can J Physiol Pharmacol** 56(5):754-9, Oct 78
The effects of local micro injections of opiates and enkephalins into the forebrain on the electrocorticogram of the rat. Neal H, et al. **Electroencephalogr Clin Neurophysiol** 45(5):655-65, Nov 78
Enkephalin-induced dilatation of pial arteries in vitro probably mediated by opiate receptors. Hanko JH, et al. **Eur J Pharmacol** 51(3):295-7, 1 Oct 78
Effect of the administration of (d-Ala) 2methionine-enkephalin on the serotonin metabolism in rat brain. Algeri A, et al. **Experientia** 34(11):1488-9, 15 Nov 78
Synthesis and biological activity of beta-endorphin and analogues. Additional evidence for multiple opiate receptors. Lemaire S, et al. **J Med Chem** 21(12):1232-5, Dec 78
Opiate-receptor mediated changes in monoamine synthesis in rat brain. Garcia-Sevilla JA, et al. **J Pharm Pharmacol** 30(10):613-21, Oct 78
Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225-7, 9 Dec 78
Beta-endorphin: pharmacologic and behavioral activity in cats after low intravenous doses. Catlin DH, et al. **Life Sci** 23(21):2147-54, 20 Nov 78
A comparison of the analgesic and behavioral effects of [D-Ala2] Met-enkepha-linamide and morphine in the mesencephalic reticular formation of rats. Haigler HJ, et al. **Life Sci** 23(12):1229-39, 25 Sep 78
Potent analgesic activity of the enkephalin-like tetrapeptide H-Tyr-D-Ala-Gly-Phe-NH2. McGregor WH, et al. **Life Sci** 23(13):1371-6, 2 Oct 78
beta-Endorphin: effects on respiratory regulation. Moss IR, et al. **Life Sci** 23(12):1271-6, 25 Sep 78
[D-Thr2, Thz5]-enkephalinamide: a potent analgesic by subcutaneous and oral administration. Tseng LF, et al. **Life Sci** 23(20):2053-6, 13 Nov 78
Genotype dependent response of morphine and methionine-enkephalin on the electrically induced contractions of the mouse vas deferens. Berti F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(1):5-8, Oct 78
Effects of methionine-enkephalin and morphine on spontaneous locomotor activity: antagonism by naloxone. Bhargava HN. **Pharmacol Biochem Behav** 9(2):167-71, Aug 78
Beta-endorphin is behaviorally active in rats after chronic intravenous administration. Gorelick DA, et al. **Pharmacol Biochem Behav** 9(3):385-6, Sep 78
Development of tolerance to the ACTH-releasing effects of beta-endorphin. Van Loon GR, et al. **Res Commun Chem Pathol Pharmacol** 22(1):203-4, Oct 78
[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201-13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Peptidergic innervation of the gastrointestinal tract. Polak JM, et al. **Adv Exp Med Biol** 106:27-49, 1978
Control of adenohypophysial functions by peptides of the central nervous system. Guillemin R. **Harvey Lect** 71:71-131, 1978
Placebo analgesia, endorphins, and naloxone [letter] Goldstein A, et al. **Lancet** 2(8104-5):1385, 23-30 Dec 78
Endogenous opioid ligands may mediate stress-induced changes in the affective properties of pain related behavior in rats. Amir S, et al. **Life Sci** 23(11):1143-51, 18 Sep 78
The enkephalins. Peptides with morphine-like activity. Miller RJ, et al. **Naturwissenschaften** 65(10):507-14, Oct 78 (44 ref.)
Enkephalins and nigrostriatal function. Diamond BI, et al. **Neurology (Minneap)** 28(11):1085-8, Nov 78
Neurobiology of peptides. Iversen LL, et al. **Neurosci Res Program Bull** 16(2):209-370, Jun 78 (448 ref.)
Acupuncture: fact or fantasy? Foreman PA. **NZ Dent J** 74(338):197-202, Oct 78
The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235-46, 1977 (45 ref.)
beta-Endorphin is associated with overeating in genetically obese mice (ob/ob) and rats (fa/fa). Margules DL, et al. **Science** 202(4371):988-91, 1 Dec 78
[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201-13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**
[Enkephalin, its present status and future perspective (author's transl)] Amano K. **No Shinkei Geka** 6(10):967-70, Oct 78 **(Jpn)**
[Pathophysiology of acute pain (author's transl)] Günther B. **Rev Med Chil** 106(9):734-41, Sep 78 **(Spa)**

SECRETION

Endorphin release: a possible mechanism of acupuncture analgesia. Peng CH, et al. **Comp Med East West** 6(1):57-60, Spring 78
[Insensitivity to pain: electrophysiological study of the nociceptive reflex. Influence of naloxone (author's transl)] Dehen H, et al. **Rev Neurol (Paris)** 134(4):255-62, Apr 78 (Eng. Abstr.) **(Fre)**

ENKEPHALINS

Conformational energies and geometries of narcotics, using a potential function method. Froimowitz M. **Natl Inst Drug Abuse Res Monogr Ser** (22):359-73, 1978
The enkephalins. Peptides with morphine-like activity. Miller RJ, et al. **Naturwissenschaften** 65(10):507-14, Oct 78 (44 ref.)

ADMINISTRATION & DOSAGE

Microinjection of opioids into the nucleus reticularis gigantocellularis of the rat: analgesia and increase in the normetanephrine level in the spinal cord. Kuraishi Y, et al. **Biochem Pharmacol** 27(23):2756-8, 1978
Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225-7, 9 Dec 78
Potent analgesic activity of the enkephalin-like tetrapeptide H-Tyr-D-Ala-Gly-Phe-NH2. McGregor WH, et al. **Life Sci** 23(13):1371-6, 2 Oct 78
[D-Thr2, Thz5]-enkephalinamide: a potent analgesic by subcutaneous and oral administration. Tseng LF, et al. **Life Sci** 23(20):2053-6, 13 Nov 78

ANALYSIS

Peptide neurons in peripheral tissues including the urinary tract: immunohistochemical studies. Hökfelt T, et al. **Acta Pharmacol Toxicol (Copenh)** 43(2):79-89, 1978
Characterization of enkephalin-like material extracted from sympathetic ganglia. Di Giulio AM, et al. **Neuropharmacology** 17(11):989-92, Nov 78
[Enkephalin, its present status and future perspective (author's transl)] Amano K. **No Shinkei Geka** 6(10):967-70, Oct 78 **(Jpn)**

ANTAGONISTS & INHIBITORS

Effect of the administration of (d-Ala) 2methionine-enkephalin on the serotonin metabolism in rat brain. Algeri A, et al. **Experientia** 34(11):1488-9, 15 Nov 78
Activation of locus coeruleus neurons by peripheral stimuli: modulation by a collateral inhibitory mechanism. Cedarbaum JM, et al. **Life Sci** 23(13):1383-92, 2 Oct 78
A comparison of the analgesic and behavioral effects of [D-Ala2] Met-enkepha-linamide and morphine in the mesencephalic reticular formation of rats. Haigler HJ, et al. **Life Sci** 23(12):1229-39, 25 Sep 78
[D-Thr2, Thz5]-enkephalinamide: a potent analgesic by subcutaneous and oral administration. Tseng LF, et al. **Life Sci** 23(20):2053-6, 13 Nov 78
Genotype dependent response of morphine and methionine-enkephalin on the electrically induced contractions of the mouse vas deferens. Berti F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(1):5-8, Oct 78
Effects of methionine-enkephalin and morphine on spontaneous locomotor activity: antagonism by naloxone. Bhargava HN. **Pharmacol Biochem Behav** 9(2):167-71, Aug 78

BIOSYNTHESIS

Chronic treatment with haloperidol accelerates the

biosynthesis of enkephalins in rat striatum. Hong JS, et al. **Brain Res** 160(1):192–5, 5 Jan 79

BLOOD

Is there correlation between analgesic potency and biodegradation of enkephalin analogs? Bajusz S, et al. **Biochem Biophys Res Commun** 84(4):1045–53, 30 Oct 78

CEREBROSPINAL FLUID

Rapid inactivation of enkephalin-like material by C.S.F. in chronic schizophrenia [letter] Dupont A, et al. **Lancet** 2(8099):1107, 18 Nov 78

CHEMICAL SYNTHESIS

Synthesis, opiate receptor affinity, and conformational parameters of [4-tryptophan]enkephalin analogues. Schiller PW, et al. **J Med Chem** 21(11):1110–6, Nov 78

DEFICIENCY

Rapid inactivation of enkephalin-like material by C.S.F. in chronic schizophrenia [letter] Dupont A, et al. **Lancet** 2(8099):1107, 18 Nov 78

METABOLISM

Enkephalin-like immunoreactivity in nerve terminals in sympathetic ganglia and adrenal medulla and in adrenal medullary gland cells. Schultzberg M, et al. **Acta Physiol Scand** 103(4):475–7, Aug 78

Is there correlation between analgesic potency and biodegradation of enkephalin analogs? Bajusz S, et al. **Biochem Biophys Res Commun** 84(4):1045–53, 30 Oct 78

Effects of cycloheximide and/or morphine on enkephalin levels in mouse striatum. Gros C, et al. **Eur J Pharmacol** 51(3):317–8, 1 Oct 78

Synthesis, opiate receptor affinity, and conformational parameters of [4-tryptophan]enkephalin analogues. Schiller PW, et al. **J Med Chem** 21(11):1110–6, Nov 78

Inhibition of enkephalin degradation in the guinea pig ileum. Craviso GL, et al. **Life Sci** 23(20):2019–29, 13 Nov 78

Potent analgesic activity of the enkephalin-like tetrapeptide H-Tyr-D-Ala-Gly-Phe-NH2. McGregor WH, et al. **Life Sci** 23(13):1371–6, 2 Oct 78

High-affinity enkephalin-degrading peptidase in brain is increased after morphine. Malfroy B, et al. **Nature** 276(5687):523–6, 30 Nov 78

PHARMACODYNAMICS

Is there correlation between analgesic potency and biodegradation of enkephalin analogs? Bajusz S, et al. **Biochem Biophys Res Commun** 84(4):1045–53, 30 Oct 78

Effect of enkephalin and endorphin analogs on receptors in the mouse vas deferens. Britton DR, et al. **Biochem Pharmacol** 27(18):2275–7, 1978

Microinjection of opioids into the nucleus reticularis gigantocellularis of the rat: analgesia and increase in the normetanephrine level in the spinal cord. Kuraishi Y, et al. **Biochem Pharmacol** 27(23):2756–8, 1978

Rat vas deferens: a specific bioassay for endogenous opioid peptides. Lemaire S, et al. **Br J Pharmacol** 64(3):327–9, Nov 78

Interaction of morphine, etorphine and enkephalins with dopamine-stimulated adenylate cyclase of monkey amygdala. Walczak SA, et al. **Brain Res** 160(1):105–16, 5 Jan 79

The effects of local micro injections of opiates and enkephalins into the forebrain on the electrocorticogram of the rat. Neal H, et al. **Electroencephalogr Clin Neurophysiol** 45(5):655–65, Nov 78

Enkephalin-induced dilatation of pial arteries in vitro probably mediated by opiate receptors. Hanko JH, et al. **Eur J Pharmacol** 51(3):295–7, 1 Oct 78

Effect of the administration of (d-Ala) 2methionine-enkephalin on the serotonin metabolism in rat brain. Algeri A, et al. **Experientia** 34(11):1488–9, 15 Nov 78

Opiate analgesics: the effect of agonist-antagonist character on prolactin secretion. Brown B, et al. **J Pharm Pharmacol** 30(10):644–5, Oct 78

Hormonal and metabolic responses to an enkephalin analogue in normal man. Stubbs WA, et al. **Lancet** 2(8102):1225–7, 9 Dec 78

A comparison of the analgesic and behavioral effects of [D-Ala2] Met-enkepha-linamide and morphine in the mesencephalic reticular formation of rats. Haigler HJ, et al. **Life Sci** 23(12):1229–39, 25 Sep 78

Potent analgesic activity of the enkephalin-like tetrapeptide H-Tyr-D-Ala-Gly-Phe-NH2. McGregor WH, et al. **Life Sci** 23(13):1371–6, 2 Oct 78

[D-Thr2, Thz5]-enkephalinamide: a potent analgesic by subcutaneous and oral administration. Tseng LF, et al. **Life Sci** 23(20):2053–6, 13 Nov 78

Structure-activity studies of narcotic agonists and antagonists from quantum chemical calculations. Loew GH, et al. **Natl Inst Drug Abuse Res Monogr Ser** (22):278–316, 1978 (82 ref.)

The enkephalins. Peptides with morphine-like activity. Miller RJ, et al. **Naturwissenschaften** 65(10):507–14, Oct 78 (44 ref.)

Genotype dependent response of morphine and methionine-enkephalin on the electrically induced contractions of the mouse vas deferens. Berti F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(1):5–8, Oct 78

Enkephalins and nigrostriatal function. Diamond BI, et al. **Neurology (Minneap)** 28(11):1085–8, Nov 78

Effects of methionine-enkephalin and morphine on spontaneous locomotor activity: antagonism by naloxone. Bhargava HN. **Pharmacol Biochem Behav** 9(2):167–71, Aug 78

PHYSIOLOGY

Peptidergic innervation of the gastrointestinal tract. Polak JM, et al. **Adv Exp Med Biol** 106:27–49, 1978

Pain pathways and mechanisms. Bowsher D. **Anaesthesia** 33(10):935–44, Nov-Dec 78 (72 ref.)

Effect of an opiate antagonist on movement disorders. Nutt JG, et al. **Arch Neurol** 35(12):810–1, Dec 78

Control of adenohypophysial functions by peptides of the central nervous system. Guillemin R. **Harvey Lect** 71:71–131, 1978

Manipulation of opiate activity in the amygdala alters memory processes. Gallagher M, et al. **Life Sci** 23(19):1973–7, 9 Nov 78

Primary afferent depolarisation of tooth pulp afferents is not affected by naloxone. Hu JW, et al. **Nature** 276(5685):283–4, 16 Nov 78

High-affinity enkephalin-degrading peptidase in brain is increased after morphine. Malfroy B, et al. **Nature** 276(5687):523–6, 30 Nov 78

The enkephalins. Peptides with morphine-like activity. Miller RJ, et al. **Naturwissenschaften** 65(10):507–14, Oct 78 (44 ref.)

Enkephalins and nigrostriatal function. Diamond BI, et al. **Neurology (Minneap)** 28(11):1085–8, Nov 78

Neurobiology of peptides. Iversen LL, et al. **Neurosci Res Program Bull** 16(2):209–370, Jun 78 (448 ref.)

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

[Enkephalin, its present status and future perspective (author's transl)] Amano K. **No Shinkei Geka** 6(10):967–70, Oct 78 **(Jpn)**

[Pathophysiology of acute pain (author's transl)] Günther B. **Rev Med Chil** 106(9):734–41, Sep 78 **(Spa)**

HYPOTHALAMIC HORMONES

METABOLISM

[Hypothalamus regulatory hormones] Voelter W, et al. **Med Welt** 29(44):1728–30, 3 Nov 78 **(Ger)**

PHARMACODYNAMICS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

PHYSIOLOGY

Signe and Ane Gyllenberg Foundation, Helsingfors: Neuroendocrine symposium, September 22–23, 1978, Swedish-Finnish Cultural Centre, Hanaholmen (Esbo), Finland. Abstracts. **Acta Endocrinol [Suppl] (Copenh)** 89(220):3–29, 1978

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

SECRETION

[Hormones and breast neoplasms] Paszko Z. **Nowotwory** 28(3):233–50, Jul-Sep 78 **(Pol)**

LH-FSH RELEASING HORMONE

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247-55, 24 Nov 78

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. I. Intra- and extra-hypothalamic projections. Siverman AJ, et al. **Brain Res** 157(2):233-46, 24 Nov 78

ADMINISTRATION & DOSAGE

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625-31, Dec 78

Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Horikoshi H, et al. **Endocrinol Jpn** 25(4):391-6, Aug 78

The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Sakakura M, et al. **Endocrinol Jpn** 25(4):335-9, Aug 78

Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235-40, Jul 78

Plasma LH concentrations after single or double injections of synthetic LH-RH in dairy cows. Foster JP. **J Reprod Fertil** 54(1):119-21, Sep 78

Does time of exposure to estradiol and LHRH effect LH release from bovine pituitary cells? Padmanabhan V, et al. **Proc Soc Exp Biol Med** 159(1):157-60, Oct 78

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161-4, Oct 78

[FSH, LH and prolactin in the ejaculate following i.v. injection of LH-RH and TRH] Krause W. **Z Hautkr** 53(23):893-5, 1 Dec 78 **(Ger)**

ANALOGS & DERIVATIVES

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625-31, Dec 78

Gonadotrophin releasing hormone analogues. Coy DH, et al. **Ann Clin Res** 10(3):139-44, 1978

Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364-7, Sep 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348-53, Sep 78

Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549-52, Nov 78

Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600-3, Nov 78

The anti-reproductive pharmacology of LH-RH and agonistic analogues. Corbin A, et al. **Int J Fertil** 23(2):81-92, 1978

Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235-40, Jul 78

Synthesis and biological activity of highly active alpha-aza analogues of luliberin. Dutta AS, et al. **J Med Chem** 21(10):1018-24, Oct 78

Cyclic analogues of luteinizing hormone-releasing hormone with significant biological activities. Seprodi J, et al. **J Med Chem** 21(9):993-5, Sep 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441-5, Nov 78

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161-4, Oct 78

ANTAGONISTS & INHIBITORS

Gonadotrophin releasing hormone analogues. Coy DH, et al. **Ann Clin Res** 10(3):139-44, 1978

Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. de la Cruz A, et al. **Biol Reprod** 19(2):364-7, Sep 78

Partial characterization of FSH suppressing activity (folliculostatin) in porcine follicular fluid using the metestrous rat as an in vivo bioassay model. Lorenzen JR, et al. **Biol Reprod** 19(3):635-40, Oct 78

Development of a radioimmunoassay for inhibin. Sheth AR, et al. **Indian J Exp Biol** 16(9):1025-6, Sep 78

BLOOD

Lesioning studies on the gravid female goldfish: neuroendocrine regulation of ovulation. Peter RE, et al. **Gen Comp Endocrinol** 35(4):391-401, Aug 78

Endocrine diagnosis in the climacteric female. Schneider HP. **Horm Res** 9(6):365-78, 1978

The accessory optic system and the retino-hypothalamic system. A review. Mai JK. **J Hirnforsch** 19(3):213-88, 1978

Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. Carmel PW, et al. **J Neurosurg** 50(1):75-80, Jan 79

Effect of active immunisation of ewes against synthetic luteinising hormone releasing hormone. Jeffcoate IA, et al. **Theriogenology** 10(4):323-35, Oct 78

CHEMICAL SYNTHESIS

Synthesis and biological activity of highly active alpha-aza analogues of luliberin. Dutta AS, et al. **J Med Chem** 21(10):1018-24, Oct 78

Cyclic analogues of luteinizing hormone-releasing hormone with significant biological activities. Seprodi J, et al. **J Med Chem** 21(9):993-5, Sep 78

DEFICIENCY

[Male sex hormones and their derivatives. Pathophysiology and therapy] Labhart A. **Fortschr Med** 96(40):2029-34, 26 Oct 78 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625-31, Dec 78

A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Takahashi H, et al. **Acta Endocrinol (Copenh)** 89(4):701-9, Dec 78

Pubertal development in the Prader-Labhart-Willi syndrome. Kauli R, et al. **Acta Paediatr Scand** 67(6):763-7, Nov 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313-20, Oct 78

Oestrogen amplification of LH-RH response in the polycystic ovary syndrome and response to clomiphene. Kandeel FR, et al. **Clin Endocrinol (Oxf)** 9(5):429-41, Nov 78

Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Roulier R, et al. **Clin Endocrinol (Oxf)** 9(4):303-11, Oct 78

Effect of surgical stress on pituitary-testicular function. Wang C, et al. **Clin Endocrinol (Oxf)** 9(3):255-66, Sep 78

LH-releasing hormone stimulation test in prepubertal diagnosis of hypogonadotropic syndromes. Kosowicz J, et al. **Endokrynol Pol** 29(6):491-500, Nov-Dec 78

Hormone diagnosis in male hypogonadism and infertility. Nieschlag E. **Horm Res** 9(6):394-403, 1978

The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Tanaka T, et al. **Int J Fertil** 23(2):93-9, 1978

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188-91, 1978

LH and FSH responses to subcutaneous or intravenous luteinizing hormone-releasing hormone (LH-RH) in rats at different sexual conditions. Yamazaki I, et al. **Nippon Funin Gakkai Zasshi** 23(4):405-13, Oct 78

The effect of oral contraceptives on the gonadotropin response to LHRH. Rubinstein L, et al. **Obstet Gynecol** 52(5):571-4, Nov 78

Estrogen treatment of girls with constitutional tall stature. Bierich JR. **Pediatrics** 62(6 Pt 2):1196-201, Dec 78

[Utility and limits of LHRH test in sexual endocrinology (proceedings) (author's transl)] Lemarchand-Béraud T, et al. **Ann Endocrinol (Paris)** 39(3):229-31, 1978 (Eng. Abstr.) **(Fre)**

[12 cases of polycystic ovary type 1 (Stein-Leventhal syndrome): complete hormonal study (author's transl)] Mauvais-Jarvis P, et al. **Ann Endocrinol (Paris)** 39(3):191-9,

1978 (Eng. Abstr.) **(Fre)**

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373–86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

[Diagnostic and therapeutic use of LH releasing hormone in juvenile uterine hemorrhage] Komorowska A, et al. **Ginekol Pol** 49(7):625–31, Jul 78 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Effect of active immunisation of ewes against synthetic luteinising hormone releasing hormone. Jeffcoate IA, et al. **Theriogenology** 10(4):323–35, Oct 78

[Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Higuchi T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1163–86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

METABOLISM

The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Krey LC, et al. **Brain Res** 157(2):247–55, 24 Nov 78

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. McNeilly AS, et al. **J Endocrinol** 79(1):59–68, Oct 78

Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Gil-Ad I, et al. **Life Sci** 23(22):2245–56, 27 Nov 78

PHARMACODYNAMICS

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul–Aug 78

Gonadotrophin releasing hormone analogues. Coy DH, et al. **Ann Clin Res** 10(3):139–44, 1978

Preliminary clinical observations of luteinizing hormone-releasing hormone stimulation test. Chu HH, et al. **Chin Med J [Engl]** 4(5):343–8, Sep 78

Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue – a new approach to birth control? Nillius SJ, et al. **Contraception** 17(6):537–44, Jun 78

Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Greeley GH Jr, et al. **Endocr Res Commun** 5(2):135–59, 1978

In vitro effect of LH-RH on RNA content and synthesis in isolated anterior pituitary cells from intact and castrated female rats. Bíró J. **Endocrinol Exp (Bratisl)** 12(3):193–8, Sep 78

The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Sakakura M, et al. **Endocrinol Jpn** 25(4):335–9, Aug 78

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

The effect of luteinizing hormone-releasing factor on human chorionic gonadotropin secretion. Khodr G, et al. **Fertil Steril** 30(3):301–4, Sep 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Tcholakian RK, et al. **Fertil Steril** 30(5):600–3, Nov 78

Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Toppozada M, et al. **Fertil Steril** 30(5):545–8, Nov 78

The anti-reproductive pharmacology of LH-RH and agonistic analogues. Corbin A, et al. **Int J Fertil** 23(2):81–92, 1978

Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. Mayar MQ, et al. **J Anim Sci** 47(1):235–40, Jul 78

Synthesis and biological activity of highly active alpha-aza analogues of luliberin. Dutta AS, et al. **J Med Chem** 21(10):1018–24, Oct 78

Cyclic analogues of luteinizing hormone-releasing hormone with significant biological activities. Seprodi J, et al. **J Med Chem** 21(9):993–5, Sep 78

Plasma LH concentrations after single or double injections of synthetic LH-RH in dairy cows. Foster JP. **J Reprod Fertil** 54(1):119–21, Sep 78

Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. Tcholakian RK, et al. **J Reprod Fertil** 54(2):441–5, Nov 78

Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. Kercret H, et al. **J Steroid Biochem** 9(8):761–6, Aug 78

Restoration of the periovulatory follicle-stimulating hormone surges in sera by luteinizing hormone releasing hormone in phenobarbital-blocked rats. Ashiru OA, et al. **Life Sci** 23(14):1507–13, 9 Oct 78

Biosynthesis of gonadotropins by rat pituitary cells in culture and in pituitary homogenates: effect of gonadotropin-releasing hormone. Khar A, et al. **Mol Cell Endocrinol** 12(1):53–65, Oct 78

Role of hypothalamic alpha and beta adrenergic receptors in the control of lordotic behavior in the ovariectomized-estrogen primed rat. Foreman MM, et al. **Pharmacol Biochem Behav** 9(2):235–41, Aug 78

Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Vilchez-Martinez JA, et al. **Proc Soc Exp Biol Med** 159(1):161–4, Oct 78

[Longitudinal study of the effect of exogenous LH-RH upon serumlevels of LH and FSH and upon plasma-oestradiol during a regular cycle in women (author's transl)] Horský J, et al. **Cesk Gynekol** 43(9):677–80, Nov 78 (Eng. Abstr.) **(Cze)**

[Study on the pituitary response to [Des-Gly10-NH2, Pro9-ethylamide]-LH-RH in women with normal menstrual cycles (author's transl)] Ohkura T. **Nippon Naibunpi Gakkai Zasshi** 54(9):1079–102, 20 Sep 78 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Koyama T, et al. **Fertil Steril** 30(5):549–52, Nov 78

Control of adenohypophysial functions by peptides of the central nervous system. Guillemin R. **Harvey Lect** 71:71–131, 1978

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

SECRETION

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

[Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Higuchi T. **Nippon Naibunpi Gakkai Zasshi** 54(10):1163–86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Hanker JP, et al. **Acta Endocrinol (Copenh)** 89(4):625–31, Dec 78

Clinical studies with d-TRP6-luteinizing hormone-releasing hormone in men with hypogonadotropic hypogonadism. Jaramillo CJ, et al. **Fertil Steril** 30(4):430-5, Oct 78

Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone. Oelsner G, et al. **Monogr Hum Genet** 10:178-80, 1978

[Diagnostic and therapeutic use of LH releasing hormone in juvenile uterine hemorrhage] Komorowska A, et al. **Ginekol Pol** 49(7):625-31, Jul 78 (Eng. Abstr.) **(Pol)**

[Effectiveness of single LH-RH stimulation in hypoestrogenis amenorrhea] Ruiz Velasco V, et al. **Ginecol Obstet Mex** 44(264):275-84, Oct 78 (Eng. Abstr.) **(Spa)**

MELATONIN

ANALYSIS

5-Methoxytryptophol in rat serum and pineal: detection, quantitation, and evidence for daily rhythmicity. Wilson BW, et al. **Life Sci** 23(10):1019-23, 11 Sep 78

[Qualitative search for indole derivatives in the retinal pigment epithelium of the trout (Salmo irideus)] Chèze G. **Vision Res** 18(11):1587-91, 1978 **(Fre)**

BIOSYNTHESIS

Age dependence of melatonin biosynthesis in rat retina. pp. 46-50. Cremer-Bartels G.
In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.

BLOOD

Radioimmmunoassay for melatonin in human serum. Thoresen TS. **Scand J Clin Lab Invest** 38(7):687-92, Nov 78

DEFICIENCY

Pineal gland, F.S.H., and breast-cancer aetiology [letter] Adami HO, et al. **Lancet** 2(8103):1312-3, 16 Dec 78

METABOLISM

Melatonin in the retina and the Harderian gland. Ontogeny, diurnal variations and melatonin treatment. Bubenik GA, et al. **Exp Eye Res** 27(3):323-33, Sep 78

[Mechanisms of neurotransmission regulating circadian rhythms (author's transl)] Toru M. **Tanpakushitsu Kakusan Koso** 23(11):1093-105, Oct 78 (112 ref.) **(Jpn)**

PHARMACODYNAMICS

Exogenous melatonin and melanophore development in Xenopus. Baker PC, et al. **Experientia** 34(11):1521-2, 15 Nov 78

Antiandrogenic effects of the pineal gland and melatonin in castrated and intact prepubertal male rats. Alonso R, et al. **J Endocrinol** 79(1):77-83, Oct 78

PHYSIOLOGY

Antiandrogenic effects of the pineal gland and melatonin in castrated and intact prepubertal male rats. Alonso R, et al. **J Endocrinol** 79(1):77-83, Oct 78

Role of pineal gland in aetiology and treatment of breast cancer [letter] **Lancet** 2(8097):1001-2, 4 Nov 78

Testing the TRH hypothesis of pineal function. Vriend J. **Med Hypotheses** 4(4):376-87, Jul-Aug 78

SECRETION

Melatonin as a marker for pineal tumours [letter] Barber SG. **Br Med J** 2(6141):896, 23 Sep 78

Entrainment of rhythmic melatonin secretion in man to a 12-hour phase shift in the light/dark cycle. Lynch HJ, et al. **Life Sci** 23(15):1557-63, 16 Oct 78

THERAPEUTIC USE

Role of pineal gland in aetiology and treatment of breast cancer [letter] **Lancet** 2(8097):1001-2, 4 Nov 78

URINE

Entrainment of rhythmic melatonin secretion in man to a 12-hour phase shift in the light/dark cycle. Lynch HJ, et al. **Life Sci** 23(15):1557-63, 16 Oct 78

MSH RELEASE INHIBITING HORMONE

The purification of a bovine kidney enzyme which cleaves melanocyte-stimulating hormone-release inhibiting factor. Khilji MA, et al. **Biochim Biophys Acta** 527(1):282-8, 10 Nov 78

Nuclear-magnetic-resonance study of aggregations and conformations of melanostatin and related peptides. Higashijima T, et al. **Eur J Biochem** 89(2):543-56, 1 Sep 78

Aggregation of Pro-Leu-Gly-NH2 in aqueous solution. Walter R, et al. **FEBS Lett** 95(2):357-60, 15 Nov 78

ANTAGONISTS & INHIBITORS

New evidence that demonstrates that L-pro-L-leu-L-gly-NH2 might be the natural MIF. Vivas A, et al. **Acta Physiol Lat Am** 27(4):177-82, 1977

PHARMACODYNAMICS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139-76, 1977 (211 ref.)

Potentiation of apomorphine action in rats by l-prolyl-l-leucyl-glycine amide. Kostrzewa RM, et al. **Pharmacol Biochem Behav** 9(3):375-8, Sep 78

SECRETION

New evidence that demonstrates that L-pro-L-leu-L-gly-NH2 might be the natural MIF. Vivas A, et al. **Acta Physiol Lat Am** 27(4):177-82, 1977

MSH RELEASING HORMONE

ANTAGONISTS & INHIBITORS

New evidence that demonstrates that L-pro-L-leu-L-gly-NH2 might be the natural MIF. Vivas A, et al. **Acta Physiol Lat Am** 27(4):177-82, 1977

SECRETION

New evidence that demonstrates that L-pro-L-leu-L-gly-NH2 might be the natural MIF. Vivas A, et al. **Acta Physiol Lat Am** 27(4):177-82, 1977

PITUITARY HORMONE RELEASE INHIBITING HORMONES

THERAPEUTIC USE

[Corticotropic function of the pituitary gland in Cushing's syndrome treated with chloditane] Slavnov VN, et al. **Ter Arkh** 50(11):72-5, 1978 (Eng. Abstr.) **(Rus)**

PITUITARY HORMONE RELEASING HORMONES

BLOOD

Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. Carmel PW, et al. **J Neurosurg** 50(1):75-80, Jan 79

CEREBROSPINAL FLUID

Neuroendocrine aspects of neurology. Hyyppä MT, et al. **Ann Clin Res** 10(3):133-8, 1978 (36 ref.)

METABOLISM

Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle

stimulating hormone levels. Campbell GT, et al. **Biol Reprod** 19(3):620–7, Oct 78

PHARMACODYNAMICS

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Fertility of rams chronically treated with gonadotropin releasing hormone during the nonbreeding season. Schanbacher BD. **Biol Reprod** 19(3):661–5, Oct 78

PHYSIOLOGY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Neuroendocrine aspects of neurology. Hyyppä MT, et al. **Ann Clin Res** 10(3):133–8, 1978 (36 ref.)

Neurobiology of peptides. Iversen LL, et al. **Neurosci Res Program Bull** 16(2):209–370, Jun 78 (448 ref.)

[Is cAMP an intermediate in the releasing action of Gn-RH? (proceedings) (author's transl)] Bérault A, et al. **Ann Endocrinol (Paris)** 39(3):227–8, 1978 (Eng. Abstr.) **(Fre)**

PROLACTIN RELEASE INHIBITING HORMONE

PHYSIOLOGY

Neuropharmacological intervention on the pituitary–hypothalamic relationship. Tuomisto J. **Ann Clin Res** 10(3):120–32, 1978

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

[Dopamine, GABA–PIF and in vitro regulation of prolactin secretion in the rat (proceedings) (author's transl)] Enjalbert A, et al. **Ann Endocrinol (Paris)** 39(3):237–8, 1978 (Eng. Abstr.) **(Fre)**

PROLACTIN RELEASING HORMONE

ANALYSIS

[Preventive effect of inhibitors of catecholamine synthesis, serotonin and adrenoblockaders on anovulatory syndrome development in neonatally androgenized rats. 2] Nosenko ND, et al. **Probl Endokrinol (Mosk)** 24(6):69–73, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Pineal removal or denervation: effects on hypothalamic PRF activity in the rat. Blask DE, et al. **Mol Cell Endocrinol** 11(3):243–8, Sep 78

PHYSIOLOGY

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

Thyrotropin releasing hormone (TRH) is not the physiological prolactin releasing factor (PRF) in the male rat. Shin SH. **Life Sci** 23(17–18):1813–8, 30 Oct 78

SOMATOTROPIN RELEASE INHIBITING HORMONE

Haloperidol, a dopaminergic antagonist: somatostatin-like inhibition of glucagon and insulin release from the isolated, perfused canine pancreas. Hermansen K. **Diabetologia** 15(4):343–7, Oct 78

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489–98, 27 Oct 78 (63 ref.) **(Ger)**

ADMINISTRATION & DOSAGE

Anticholeretic effect of somatostatin in anesthetized dogs. Holm I, et al. **Acta Physiol Scand** 104(2):241–3, Oct 78

Effects of intragastrically administered somatostatin on basal and pentagastrin stimulated gastric acid secretion in man. Johansson C, et al. **Acta Physiol Scand** 104(2):232–4, Oct 78

Treatment of bleeding esophageal varices with somatostatin [letter] Tydén G, et al. **N Engl J Med** 299(26):1466–7, 28 Dec 78

Lack of behavioural effects following intraventricular infusion of somatostatin in the conscious goat. Gordin A, et al. **Pharmacol Biochem Behav** 9(2):255–7, Aug 78

ADVERSE EFFECTS

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

ANALOGS & DERIVATIVES

Somatostatin and gastrointestinal secretion and motility. Konturek SJ. **Adv Exp Med Biol** 106:227–34, 1978

Excitation of rat hippocampal pyramidal neurones by somatostatin [proceedings] Dodd J, et al. **J Physiol (Lond)** 282:16P–17P, Sep 78

Prolonged serum insulin decreasing effects of two synthetic somatostatin analogues studied in vivo by a new animal method. Preliminary communication. Herbai G, et al. **Ups J Med Sci** 83(3):141–4, 1978

[Action of somatostatin and 3 analogs on external pancreatic secretion in the rat] Rozé C, et al. **C R Acad Sci [D] (Paris)** 287(4):281–4, 11 Sep 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

Motilin-, substance P- and somatostatin-like immunoreactivities in extracts from dog, tupaia and monkey brain and GI tract. Yanaihara C, et al. **Adv Exp Med Biol** 106:269–83, 1978

Immunohistochemical demonstration of somatostatin-containing cells in the human placenta. Nishihira M, et al. **Tohoku J Exp Med** 126(4):397–8, Dec 78

BLOOD

Enzymatic degradation of somatostatin by rat plasma and hypothalamus. Dupont A, et al. **Can J Physiol Pharmacol** 56(5):840–3, Oct 78

Plasma immunoreactive somatostatin levels in rat hypophysial portal blood: effect of glucagon administration. Abe H, et al. **Life Sci** 23(16):1647–53, 23 Oct 78

Calcitonin secretion by a pancreatic somatostatinoma [letter] Galmiche JP, et al. **N Engl J Med** 299(22):1252, 30 Nov 78

CHEMICAL SYNTHESIS

Prolonged serum insulin decreasing effects of two synthetic somatostatin analogues studied in vivo by a new animal method. Preliminary communication. Herbai G, et al. **Ups J Med Sci** 83(3):141–4, 1978

DIAGNOSTIC USE

Glucose metabolism in intact man: the responsiveness of splanchnic and peripheral tissues to insulin. Rabinowitz D, et al. **Metabolism** 27(12 Suppl 2):1832–8, Dec 78

IMMUNOLOGY

Motilin-, substance P- and somatostatin-like immunoreactivities in extracts from dog, tupaia and monkey brain and GI tract. Yanaihara C, et al. **Adv Exp Med Biol** 106:269–83, 1978

METABOLISM

Enzymatic degradation of somatostatin by rat plasma and hypothalamus. Dupont A, et al. **Can J Physiol Pharmacol** 56(5):840–3, Oct 78

Effect of propylthiouracil and thyroxine on the inactivation of somatostatin by rat hypothalamus. Dupont A, et al. **Life Sci** 23(20):2007–11, 13 Nov 78

Dopamine and norepinephrine stimulate somatostatin release by median eminence fragments in vitro. Negro-Vilar A, et al. **Life Sci** 23(14):1493–7, 9 Oct 78

PHARMACODYNAMICS

Anticholeretic effect of somatostatin in anesthetized dogs. Holm I, et al. **Acta Physiol Scand** 104(2):241–3, Oct 78

Failure of somatostatin to eliminate the glucagon release induced by baroreceptor unloading in the cat. Järhult J, et al. **Acta Physiol Scand** 103(4):478–80, Aug 78

Effects of intragastrically administered somatostatin on basal and pentagastrin stimulated gastric acid secretion in man. Johansson C, et al. **Acta Physiol Scand** 104(2):232–4, Oct 78

Somatostatin and gastrointestinal secretion and motility. Konturek SJ. **Adv Exp Med Biol** 106:227–34, 1978

Gastric-glucagon: physiology and pathology. Lefebvre PJ, et al. **Adv Exp Med Biol** 106:173–81, 1978

The inhibitory action of somatostatin on the stomach. Schrumpf E. **Adv Exp Med Biol** 106:235–40, 1978

Effects of somatostatin on gastric acid secretion and on lipid and carbohydrate metabolism in the rat. Linscheer WG, et al. **Br J Pharmacol** 64(2):311–4, Oct 78

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

Inhibitory influence of somatostatin (growth-hormone-release-inhibiting-factor; SRIF) on mesenchymal cells of rats. pp. 355–65. Wagner H, et al.

In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.

Effect of somatostatin on the concentration of growth hormone in the plasma of foetal sheep. McMillen IC, et al. **J Endocrinol** 78(3):453–4, Sep 78

Excitation of rat hippocampal pyramidal neurones by somatostatin [proceedings] Dodd J, et al. **J Physiol (Lond)** 282:16P–17P, Sep 78

Somatostatin inhibits adrenergic and cholinergic neurotransmission in smooth muscle. Cohen ML, et al. **Life Sci** 23(16):1659–64, 23 Oct 78

Lack of behavioural effects following intraventricular infusion of somatostatin in the conscious goat. Gordin A, et al. **Pharmacol Biochem Behav** 9(2):255–7, Aug 78

Somatostatin-induced suppression of basal insulin levels in long-term islet-transplanted rats. Weber CJ, et al. **Surg Forum** 28:304–6, 1977

Prolonged serum insulin decreasing effects of two synthetic somatostatin analogues studied in vivo by a new animal method. Preliminary communication. Herbai G, et al. **Ups J Med Sci** 83(3):141–4, 1978

[Action of somatostatin and 3 analogs on external pancreatic secretion in the rat] Rozé C, et al. **C R Acad Sci [D] (Paris)** 287(4):281–4, 11 Sep 78 (Eng. Abstr.) **(Fre)**

[The effect of secretin on exocrine and endocrine pancreas. Part I: plasma secretin concentration and pancreatic exocrine secretion after intravenous secretin or intraduodenal HCl and 1-phenyl-1-hydroxy-n-pentane administration (author's transl)] Otsuki M, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1116–24, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

[Functional activity of rat adenohypophysis cells in a primary monolayer culture and the effect of several regulators on it] Fedotov VP, et al. **Biull Eksp Biol Med** 86(10):491–3, Oct 78 (Eng. Abstr.) **(Rus)**

[Effect of synthetic somatostatin on basal and stimulated growth hormone and prolactin secretion in vitro] Utesheva ZF, et al. **Probl Endokrinol (Mosk)** 24(6):48–50, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Somatostatin and gastrointestinal secretion and motility. Konturek SJ. **Adv Exp Med Biol** 106:227–34, 1978

Peptidergic innervation of the gastrointestinal tract. Polak JM, et al. **Adv Exp Med Biol** 106:27–49, 1978

The inhibitory action of somatostatin on the stomach. Schrumpf E. **Adv Exp Med Biol** 106:235–40, 1978

Extrahypophyseal effects of somatostatin. Efendić S, et al. **Ann Clin Res** 10(3):151–6, 1978 (57 ref.)

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

Autonomic contributions to pain syndromes. Sweet WH. **Clin Neurosurg** 25:603–25, 1978

Control of adenohypophysial functions by peptides of the central nervous system. Guillemin R. **Harvey Lect** 71:71–131, 1978

SECRETION

Dopaminergic control of antral gastrin and somatostatin release. Uvnäs-Wallensten K, et al. **Acta Physiol Scand** 103(3):343–5, Jul 78

Endocrine pancreatic tumors. Larsson LI. **Hum Pathol** 9(4):401–16, Jul 78 (88 ref.)

Calcitonin secretion by a pancreatic somatostatinoma [letter] Galmiche JP, et al. **N Engl J Med** 299(22):1252, 30 Nov 78

THERAPEUTIC USE

Extrahypophyseal effects of somatostatin. Efendić S, et al. **Ann Clin Res** 10(3):151–6, 1978 (57 ref.)

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Hyperlgucagonemia in diabetes [letter] **N Engl J Med** 299(24):1366–8, 14 Dec 78

Treatment of bleeding esophageal varices with somatostatin [letter] Tydén G, et al. **N Engl J Med** 299(26):1466–7, 28 Dec 78

Somatostatin inhibits and reverses hypergastrinemia induced by parathyroid hormone, calcium, and acetylcholine. Bolman RM 3d, et al. **Surg Forum** 28:373–4, 1977

SOMATOTROPIN RELEASING HORMONE

PHARMACODYNAMICS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

Catecholamine-induced changes in plasma glucose, glucagon and insulin in rabbits: effects of somatostatin. Potter DE, et al. **Horm Metab Res** 10(5):373–7, Sep 78

THYROTROPIN RELEASING HORMONE

Thyrotropin-releasing factor: distribution in neural and gastrointestinal tissues. Leppäluoto J, et al. **Acta Physiol Scand** 104(2):175–9, Oct 78

ADMINISTRATION & DOSAGE

Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Karlberg BE, et al. **Acta Psychiatr Scand** 58(5):389–400, Nov 78

[FSH, LH and prolactin in the ejaculate following i.v. injection of LH-RH and TRH] Krause W. **Z Hautkr** 53(23):893–5, 1 Dec 78 **(Ger)**

ADVERSE EFFECTS

Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Karlberg BE, et al. **Acta Psychiatr Scand** 58(5):389–400, Nov 78

ANALOGS & DERIVATIVES

Degradation of TRH and its analogues by rat serum and brain homogenate. Oliver C, et al. **Biochem Biophys Res Commun** 84(4):1097–102, 30 Oct 78

ANALYSIS

Thyrotropin-releasing factor: distribution in neural and gastrointestinal tissues. Leppäluoto J, et al. **Acta Physiol Scand** 104(2):175–9, Oct 78

ANTAGONISTS & INHIBITORS

Influence of catecholamine antagonists and depletors on the CNS effects of TRH in rabbits. Horita A, et al. **Prog Neuropsychopharmacol** 1(1–2):107–13, 1977

BLOOD

Degradation of TRH and its analogues by rat serum and brain homogenate. Oliver C, et al. **Biochem Biophys Res Commun** 84(4):1097–102, 30 Oct 78

Serum thyrotropin releasing hormone (TRH)-degrading activity: a sensitive and rapid radiochemical assay procedure. Neary JT, et al. **Clin Chim Acta** 90(1):61–70, 15 Nov 78

Analeptic and antianaleptic effects of naloxone and naltrexone in rabbits. Horita A, et al. **Life Sci** 23(16):1681–6, 23 Oct 78

[Enzyme immunoassay of peptide hormone (author's transl)] Oshima I, et al. **Rinsho Byori** 26(7):571–5, Jul 78 **(Jpn)**

DEFICIENCY

A case of septo-optic dysplasia. Fukushima N, et al. **Tohoku J Exp Med** 126(2):193–7, Oct 78

DIAGNOSTIC USE

TSH response pattern to TRH test and optimum time of blood sampling in sporadic euthyroid goitre. Blichert-Toft M, et al. **Acta Med Scand** 204(5):365–8, 1978

Evaluation of the endocrine functions in dystrophia myotonica. Henriksen OA, et al. **Acta Neurol Scand** 58(3):178–89, Sep 78

Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Karlberg BE, et al. **Acta Psychiatr Scand** 58(5):389–400, Nov 78

Effects of tricyclic antidepressants on human plasma levels of TSH, GH and prolactin. Widerlöv E, et al. **Acta Psychiatr Scand** 58(5):449–56, Nov 78

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Thyroid-stimulating hormone and prolactin levels in breast cancer. Aldinger KA, et al. **Arch Intern Med** 138(11):1638–41, Nov 78

Normal prolactin response following thyrotrophin releasing hormone in patients with autonomously functioning euthyroid multinodular goitre. Elte JW, et al. **Clin Endocrinol (Oxf)** 9(5):413–7, Nov 78

Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Fanghanel-S G, et al. **Clin Endocrinol (Oxf)** 9(4):289–96, Oct 78

Effects of oral testosterone undecanoate in hypogonadal male patients. Franchimont P, et al. **Clin Endocrinol (Oxf)** 9(4):313–20, Oct 78

Hypothalamic-pituitary axis in total lipodystrophy. Landau H, et al. **Monogr Hum Genet** 10:188–91, 1978

Primary hypothyroidism and pituitary insufficiency. Gluck FB, et al. **South Med J** 71(12):1521–3, Dec 78

[The use of thyreoliberin VUFB in a peroral TRH test in thyroid gland function disorders (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(38–39):1187–90, 29 Sep 78 (Eng. Abstr.) **(Cze)**

[TSH response to TRH after subtotal thyroidectomy in patients with simple nodular goiter (proceedings) (author's transl)] Allannic H, et al. **Ann Endocrinol (Paris)** 39(3):249–51, 1978 (Eng. Abstr.) **(Fre)**

[Abnormal TSH, PRL and GH response to TSH releasing hormone in patients with severe liver cirrhosis (proceedings) (author's transl)] Schilienger JL, et al. **Ann Endocrinol (Paris)** 39(3):245–7, 1978 (Eng. Abstr.) **(Fre)**

[Paraclinical studies in hypothyroidism] Fournier M, et al. **Rev Prat** 28(43):3301–4, 3307–9, 1 Oct 78 (Eng. Abstr.) **(Fre)**

[Evaluation of thyroid function in children (author's transl)] Job JC. **Sem Hop Paris** 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**

[The effect of iodine-containing radiographic contrast medium on TSH-TRH-tests (author's transl)] Spitz J, et al. **ROEFO** 129(4):445–7, Oct 78 (Eng. Abstr.) **(Ger)**

[Use of releasing hormones in endocrinological diagnosis] Molinatti GM, et al. **Minerva Med** 69(49):3373–86, 17 Oct 78 (Eng. Abstr.) **(Ita)**

[A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Kuroda M. **Nippon Naibunpi Gakkai Zasshi** 54(8):980–993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Anterior pituitary function in patients with cerebrovascular diseases with special reference to prolactin secretion in response to TRH administration (author's transl)] Mashito T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):838–47, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Anterior pituitary function in patients with cerebrovascular diseases with special reference to TSH secretion in response to TRH administration (author's transl)] Mashito T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(7):829–37, 20 Jul 78 (Eng. Abstr.) **(Jpn)**

[Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Shimoda S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Use of blockers and stimulators of prolactin secretion in the syndrome of persistent lactorrhea--amenorrhea] Starkova NT, et al. **Probl Endokrinol (Mosk)** 24(6):42–7, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Endogenous thyrotropin-releasing hormone in the anterior pituitary: sites of activity as identified by immunocytochemical staining. Childs GV, et al. **J Histochem Cytochem** 26(11):901–8, Nov 78

METABOLISM

Degradation of TRH and its analogues by rat serum and brain homogenate. Oliver C, et al. **Biochem Biophys Res Commun** 84(4):1097–102, 30 Oct 78

Immunoreactive thyrotropin-releasing factor in a gastropod: distribution in the central nervous system and hemolymph of Lymnaea stagnalis. Grimm-Jørgensen Y. **Gen Comp Endocrinol** 35(4):387–90, Aug 78

Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

Diurnal variations of medial basal and anterior hypothalamic thyroliberin [TRH] and serum thyrotropin [TSH] concentrations in male rats. Männistö PT, et al. **Life Sci** 23(13):1343–49, 2 Oct 78

[Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1187–97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Krause W. **Andrologia** 10(4):285–90, Jul-Aug 78

Influence of ovarian hormones on prolactin release in the rhesus monkey. Milmore JE. **Biol Reprod** 19(3):593–6, Oct 78

Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Reimers TJ, et al. **Biol Reprod** 19(3):673–9, Oct 78

Normal prolactin response following thyrotrophin releasing hormone in patients with autonomously functioning euthyroid multinodular goitre. Elte JW, et al. **Clin Endocrinol (Oxf)** 9(5):413–7, Nov 78

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

Lack of acute effects of pyridoxine on prolactin secretion and lactation. Husami N, et al. **Fertil Steril** 30(4):393–7, Oct 78

Prolactin release after TRH during altered adrenergic alpha and beta receptor influence. Lauridsen UB, et al. **Horm Metab Res** 10(5):452–4, Sep 78

Pharmacological profile of thyroliberin (TRH): indications for antidepressant effects in man? pp. 237–44. Kruse H. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Effects of antidepressants on pituitary hormones. pp. 255–78. Laakmann G, et al. **In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.**

Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

Variations in the response of enzyme-dissociated rat pituitary cells to thyrotropin releasing hormone. Moriarty CM, et al. **Life Sci** 23(20):2073–8, 13 Nov 78

Studies on the role of calcium and cyclic nucleotides in the control of TSH secretion. Schrey MP, et al. **Mol Cell Endocrinol** 11(3):249–64, Sep 78

Somatostatin-induced suppression of basal insulin levels in long-term islet-transplanted rats. Weber CJ, et al. **Surg Forum** 28:304–6, 1977

[Radioimmunological evaluation of hormonal parameters in the stimulation and inhibition of lactogenesis] Montemagno U, et al. **Arch Ostet Ginecol** 81(1–3):37–57, Jan-Jun 76 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone

stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

Neuroendocrine control of prolactin in experimental animals. Meites J. **Clin Endocrinol (Oxf)** 6 Suppl:9S–18S, 1977

Prolactin-producing cells in culture: control of hormone biosynthesis and release. Tashjian AH Jr. **Clin Endocrinol (Oxf)** 6 Suppl:43S–45S, 1977

Control of adenohypophysial functions by peptides of the central nervous system. Guillemin R. **Harvey Lect** 71:71–131, 1978

Thyrotropin releasing hormone (TRH) is not the physiological prolactin releasing factor (PRF) in the male rat. Shin SH. **Life Sci** 23(17–18):1813–8, 30 Oct 78

Testing the TRH hypothesis of pineal function. Vriend J. **Med Hypotheses** 4(4):376–87, Jul–Aug 78

SECRETION

[TSH and TRH response to 6-methyl-prednisolone] Miralles García JM, et al. **Rev Clin Esp** 150(5):235–7, 15 Sep 78 **(Spa)**

THERAPEUTIC USE

Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Karlberg BE, et al. **Acta Psychiatr Scand** 58(5):389–400, Nov 78

CYCLIC NUCLEOTIDES

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE

Inhibitory effect of 8-substituted adenosine derivatives on Ca++ and modulator protein-dependent phosphodiesterase activity. Sasaki Y, et al. **Biochem Biophys Res Commun** 84(2):277-84, 29 Sep 78

ANALOGS & DERIVATIVES

A model for cyclic AMP-chemoreceptor interaction in Dictyostelium discoideum. Mato JM, et al. **Biochim Biophys Acta** 544(2):309-14, 1 Dec 78

Cylic AMP inhibition of mammary gland lactose synthesis: specificity and potentiation by 1-methyl-3-isobutylxanthine. Loizzi RF. **Horm Metab Res** 10(5):415-9, Sep 78

Effect of lin-benzoadenosine and lin-benzoadenosine 3':5'-monophosphate on cyclic AMP-dependent protein kinase activity in vitro. Schmidt MJ, et al. **J Cyclic Nucleotide Res** 4(3):201-7, Jun 78

Cyclic nucleotide-binding proteins detected by photoaffinity labeling in nucleus and cytoplasm of bovine liver. Friedman DL, et al. **Proc Natl Acad Sci USA** 75(11):5286-90, Nov 78

[Antihypoxic effect of analogs of cyclic adenosine monophosphate, phosphodiesterase inhibitors] Kozhemiakin LA, et al. **Farmakol Toksikol** 41(6):711-4, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANALYSIS

Immuno-histochemical localization of cyclic nucleotides in mineralized tissues: mechanically-stressed osteoblasts in vivo. Davidovitch Z, et al. **Anat Rec** 192(3):363-73, Nov 78

Immuno-histochemical localization of cyclic nucleotides in the periodontium: mechanically-stressed cells in vivo. Davidovitch Z, et al. **Anat Rec** 192(3):351-61, Nov 78

Binding activity regulation of rabbit skeletal muscle adenosine 3'-5'-monophosphate-dependent protein kinases. Sobrino F, et al. **Rev Esp Fisiol** 34(3):285-9, Sep 78

[Continuative changes of cyclic AMP in manic depressive psychosis--on the correlation of lithium carbonate treatment (author's transl)] Shoda H. **Seishin Shinkeigaku Zasshi** 80(7):383-404, Jul 78 **(Jpn)**

[Concentration of 3',5'-cAMP in rat tissues during adaptation to hypoxia and exposure to gamma-radiation] Makeeva VF, et al. **Dokl Akad Nauk SSSR** 242(6):1436-7, 1978 **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition by propranolol of bile acid- and PGE1-stimulated camp and intestinal secretion. Taub M, et al. **Am J Gastroenterol** 70(2):129-35, Aug 78

BIOSYNTHESIS

Adenosine 3':5'-cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Bing RF, et al. **Biochem J** 176(1):39-45, 15 Oct 78

Inhibition by calcium ions of adenosine cyclic monophosphate formation in sealed pigeon erythrocyte 'ghosts'. A study using the photoprotein obelin. Campbell AK, et al. **Biochem J** 176(1):53-66, 15 Oct 78

Influence of acetaldehyde on stimulated lipolysis and cyclic AMP formation in isolated rat fat cells. Comparison with ethanol. Giudicelli Y, et al. **Biochem Pharmacol** 27(21):2559-61, 1978

Changes in cyclic AMP responses to FSH in isolated rat Sertoli cells during sexual maturation. Steinberger A, et al. **Biol Reprod** 19(3):566-72, Oct 78

Effect of 1,25-dihydroxycholecalciferol on adenosine 3',5'-cyclic monophosphate production in calvaria of mice. Gebauer U, et al. **Calcif Tissue Res** 25(3):223-5, 18 Aug 78

Reduction by adenosine of the isoproterenol-induced increase in cyclic adenosine 3',5'-monophosphate formation and glycogen phosphorylase activity in rat heart muscle. Dobson JG Jr. **Circ Res** 43(5):785-92, Nov 78

A mutant strain of Polysphondylium pallidum deficient in production of cyclic AMP. Francis D, et al. **Dev Biol** 67(1):232-36, Nov 78

Hormone effects on glycogenolysis, gluconeogenesis, and cyclic AMP production by liver cells from rats fed diets high in glucose or lard. Tepperman HM, et al. **J Nutr** 108(12):1924-31, Dec 78

The cyclic 3',5'-adenosine monophosphate receptor protein and regulation of cyclic 3',5'-adenosine monophosphate synthesis in Escherichia coli. Botsford JL, et al. **Mol Gen Genet** 165(1):47-56, 20 Sep 78

Octopamine receptors, adenosine 3',5'-monophosphate, and neural control of firefly flashing. Nathanson JA. **Science** 203(4375):65-8, 5 Jan 79

[Deprivation of the paradoxical stage of sleep in rats and stimulation of cyclic AMP biosynthesis in brain homogenates by noradrenaline] Panov AN. **Fiziol Zh SSSR** 64(10):1478-81, Oct 78 **(Rus)**

BLOOD

Inhibition of adenylate cyclase by adenosine analogues in preparations of broken and intact human platelets. Evidence for the unidirectional control of platelet function by cyclic AMP. Haslam RJ, et al. **Biochem J** 176(1):83-95, 15 Oct 78

Reduction of adrenocorticotropic hormone (ACTH) and cortisol in drug addicts treated by acupuncture and electrical stimulation (AES). Wen HL, et al. **Comp Med East West** 6(1):61-6, Spring 78

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et al. **Endocrinol Jpn** 25(4):329-34, Aug 78

Cyclic AMP metabolism and adenylate cyclase concentration in patients with advanced hepatic cirrhosis. Francavilla A, et al. **Gastroenterology** 75(6):1026-32, Dec 78

Reduced PGE1 stimulated 3H-cAMP accumulation in platelets from schizophrenics. Rotrosen J, et al. **Life Sci** 23(20):1989-96, 13 Nov 78

CEREBROSPINAL FLUID

Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. Fleischer AS, et al. **J Neurosurg** 49(5):650-7, Nov 78

[Continuative changes of cyclic AMP in manic depressive psychosis--on the correlation of lithium carbonate treatment (author's transl)] Shoda H. **Seishin Shinkeigaku Zasshi** 80(7):383-404, Jul 78 **(Jpn)**

IMMUNOLOGY

[Cyclic adenosine 3-5 monophosphate (c-AMP) and allergy] Ring J. **Hautarzt** 29(12):625-31, Dec 78 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Separation of cyclic AMP and cyclic GMP from thymidine, electrolytes and polyvalent nucleotides in tissue samples. Roberson GM, et al. **Biochim Biophys Acta** 544(1):20–8, 15 Nov 78

METABOLISM

Beta-adrenoceptor stimulation and cyclic AMP levels in bovine tracheal muscle of old and young animals. Andersson RG, et al. **Acta Pharmacol Toxicol (Copenh)** 43(4):323–7, Oct 78

Effect of lowering of the temperature on the tissue levels of cAMP, cGMP, PGE and PGF2 alpha in spontaneously beating rat atria preparation. Parantainen J, et al. **Acta Physiol Scand** 104(2):213–6, Oct 78

Adenosine and cyclic AMP in cerebral cortex of rats in hypoxia, status epilepticus and hypercapnia. Rehncrona S, et al. **Acta Physiol Scand** 104(4):453–63, Dec 78

Parathyroid hormone receptors and stimulation of renal cyclic 3', 5' AMP in vitro: physiological relevance? Kugai N, et al. **Adv Exp Med Biol** 103:537–42, 1978

Biochemical aspects of arrhythmogenesis and ventricular fibrillation. Opie LH, et al. **Am J Cardiol** 43(1):131–48, Jan 79 (161 ref.)

Nycthemeral rhythm in adrenal responsiveness to ACTH. Dallman MF, et al. **Am J Physiol** 235(5):R210–8, Nov 78

Interaction of prostaglandins with canine gastric mucosal adenylate cyclase–cyclic AMP system. Dozois RR, et al. **Am J Physiol** 235(5):E546–51, Nov 78

Insulin release, cGMP, cAMP, and membrane potential in acetylcholine-stimulated islets. Gagerman E, et al. **Am J Physiol** 235(5):E493–500, Nov 78

Cyclic 3',5'-adenosine monophosphate in the choroid plexus: stimulation by cholera toxin. Cramer H, et al. **Biochem Biophys Res Commun** 84(4):1031–7, 30 Oct 78

Effects of multiple phorbol myristate acetate treatments on cyclic nucleotide levels in mouse epidermis. Garte SJ, et al. **Biochem Biophys Res Commun** 84(2):489–94, 29 Sep 78

The effects of nonsuppressible insulin-like protein (NSILP) on cyclic nucleotide metabolism in rat liver. Leichter SB, et al. **Biochem Biophys Res Commun** 84(2):403–10, 29 Sep 78

Cyclic AMP in freshly prepared thymocyte suspensions, Evidence for stimulation by endogenous adenosine. Fredholm BB, et al. **Biochem Pharmacol** 27(23):2675–82, 1978

Cyclic nucleotide levels in the rat striatum and cerebellum--in vivo effects of dopamine and acetylcholine receptor agonists and antagonists. Puri SK, et al. **Biochem Pharmacol** 27(19):2333–6, 1978

Effect of vasoactive intestinal peptide (VIP) and other peptides on cAMP accumulation in rat brain. Quik M, et al. **Biochem Pharmacol** 27(18):2209–13, 1978

Drug-induced porphyrin biosynthesis--XVIII. Effect of modulation of intracellular cyclic AMP levels on drug-induced porphyrin biosynthesis in chick embryo liver cells maintained in serum-free medium. Stephens JK, et al. **Biochem Pharmacol** 27(20):2439–45, 1978

Correlations among the responses of suspensions of Dictyostelium discoideum to pulses of 3',5-cyclic AMP. Transient turbidity decrease, the cyclic AMP signal, and variation in adenine mononucleotide levels. Chung WJ, et al. **Biochim Biophys Acta** 544(1):29–44, 15 Nov 78

Cyclic nucleotides and protein kinase systems in the developing chick retina and pigment epithelium. Fletcher RT, et al. **Biochim Biophys Acta** 544(1):45–52, 15 Nov 78

A model for cyclic AMP-chemoreceptor interaction in Dictyostelium discoideum. Mato JM, et al. **Biochim Biophys Acta** 544(2):309–14, 1 Dec 78

Ultraviolet light induction of skin carcinoma in the mouse; influence of cAMP modifying agents. Zajdela F, et al. **Bull Cancer (Paris)** 65(3):305–13, 1978

A concept for the control of kidney production of erythropoietin involving prostaglandins and cyclic nucleotides. Fisher JW, et al. **Contrib Nephrol** 13:37–59, 1978

Cyclic AMP and the control of aggregative phase gene expression in Dictyostelium discoideum. Sampson J, et al. **Dev Biol** 67(1):54–64, Nov 78

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et al. **Endocrinol Jpn** 25(4):329–34, Aug 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Takasu N, et al. **Eur J Biochem** 90(1):131–8, 15 Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Takasu N, et al. **Eur J Biochem** 90(1):139–46, 15 Sep 78

Negative chronotropic action of cyclic AMP on the fetal rat heart in organ culture. Eyer CL, et al. **Eur J Pharmacol** 51(4):423–8, 15 Oct 78

Initial lag-phase in the action of insulin on glucose transport and cAMP levels in fat cells. Häring HU, et al. **FEBS Lett** 95(1):177–80, 1 Nov 78

Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri) Chavin W, et al. **Gen Comp Endocrinol** 35(4):445–50, Aug 78

Effect of clofibrate treatment on the protein kinase and cyclic AMP-binding activities in rat liver. Catalán RE, et al. **Horm Metab Res** 10(5):450–1, Sep 78

On the possible mechanism underlying spontaneous pacemaking. pp. 357–67. Pollack GH. **In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.**

In vitro effects of estrogen on cyclic nucleotides in the arterial wall. pp. 373–83. Numano F. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.**

Heterogeneity of human lymphocyte subpopulations to pharmacologic stimulation. I. Lymphocyte responsiveness to beta adrenergic agents. Galant SP, et al. **J Allergy Clin Immunol** 62(6):349–56, Dec 78

Lung tissue guanosine 3',5'-monophosphate: effects of ventilation and anesthesia. Klass DJ. **J Appl Physiol** 45(4):487–94, Oct 78

Possible role of cyclic nucleotides in the mechanism of the protective effect of methylprednisolone on the hypoxic rat heart. Busuttil RW, et al. **J Cyclic Nucleotide Res** 4(3):209–18, Jun 78

The concentration of cyclic AMP and the activity of cyclic AMP dependent protein kinase and an inhibitor in the adipose tissue of rats fed lard or glucose diets. Jackowski MM, et al. **J Cyclic Nucleotide Res** 4(4):323–33, Aug 78

Growth arrest of Chinese hamster ovary cells in serum-free medium: changes in cell morphology and the intracellular and prostaglandin-induced levels of cyclic AMP. O'Neill JP, et al. **J Cyclic Nucleotide Res** 4(3):169–74, Jun 78

A semi quantitative method for cyclic nucleotide localization by immunocytochemistry and its application in determining the distribution of cyclic AMP in lungs of normal and pertussis-vaccinated mice following histamine or epinephrine challenge. Ortez RA. **J Cyclic Nucleotide Res** 4(4):233–44, Aug 78

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311–21, Aug 78

Effect of lin-benzoadenosine and lin-benzoadenosine 3':5'-monophosphate on cyclic AMP-dependent protein kinase activity in vitro. Schmidt MJ, et al. **J Cyclic Nucleotide Res** 4(3):201–7, Jun 78

The correlation of cyclic AMP and protein kinase activity in adipocytes with lipolysis stimulated by ACTH: the effect of adenosine deaminase and actinomycin D. Wong EH, et al. **J Cyclic Nucleotide Res** 4(5):359–74, Oct 78

Effect of fluoridated water on 3',5' cyclic AMP levels in various rat tissues. Allmann DW, et al. **J Dent Res** 57(9–10):881, Sep–Oct 78

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

Mechanisms of action of 'lymphocyte-activating factor' (LAF). III. Evidence that LAF acts on stimulated lymphocytes by raising cyclic GMP in G1. Katz SP, et al. **J Immunol** 121(6):2386–91, Dec 78

Effects of secretagogues and theophylline on canine gastric mucosal cyclic nucleotides. Levine RA, et al. **J Lab Clin Med** 92(5):813–21, Nov 78

Accelerated RNA and protein synthesis in mitochondria isolated from unperfused myocardium. Possible involvement of cyclic AMP. Kleitke B, et al. **J Mol Cell Cardiol** 10(9):827–45, Sep 78

Cyclic nucleotide concentrations in

7.12-dimethylbenz[a]anthracene-induced pancreatic cancer in rats. Stevens RH, et al. **J Natl Cancer Inst** 61(5):1281–4, Nov 78

Cyclic A.M.P. and arrhythmias revisited. Opie LH, et al. **Lancet** 2(8096):921–3, 28 Oct 78

Morphology and cyclic AMP metabolism of normal and spontaneously transformed rabbit transitional epithelium in vitro. Chlapowski FJ. **Life Sci** 23(13):1325–36, 2 Oct 78

The effects of norepinephrine on the release of cyclic AMP by the isolated perfused heart of the guinea pig. Imai S, et al. **Life Sci** 23(15):1609–17, 16 Oct 78

Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Fredholm BB. **Med Biol** 56(5):249–61, Oct 78 (111 ref.)

Adenosine inhibits the accumulation of cyclic AMP in cultured brain cells. van Calker D, et al. **Nature** 276(5690):839–41, 21--28 Dec 78

Intracellular cAMP level oscillations in synchronous cultures of an Actinomycete. Quennedey MC, et al. **Naturwissenschaften** 65(10):538–9, Oct 78

Cyclic nucleotide-binding proteins detected by photoaffinity labeling in nucleus and cytoplasm of bovine liver. Friedman DL, et al. **Proc Natl Acad Sci USA** 75(11):5286–90, Nov 78

Temperature sensitivity of cyclic AMP production and catecholamine-induced refractoriness in a rat astrocytoma cell line. Nickols GA, et al. **Proc Natl Acad Sci USA** 75(11):5520–4, Nov 78

Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

Suppressed dietary inducibility of glucose 6-phosphate dehydrogenase and elevated cyclic AMP in acute hepatic injury. Taketa K, et al. **Proc Soc Exp Biol Med** 159(1):148–51, Oct 78

Effects of cervical sympathetic ganglionectomy on cyclic-AMP and prostaglandins in brain and eye tissues and fluids. Waitzman MB. **Prostaglandins Med** 1(2):139–49, Aug 78

Binding activity regulation of rabbit skeletal muscle adenosine 3'-5'-monophosphate-dependent protein kinases. Sobrino F, et al. **Rev Esp Fisiol** 34(3):285–9, Sep 78

Role of adenosine 3',5'-monophosphate (cyclic AMP) in canine bile-salt-stimulated choleresis. Kaminski DL, et al. **Surg Forum** 28:409–11, 1977

A study of cyclic nucleotide metabolism and the histology of rat liver during 3'-methyl-4-dimethylamino-azobenzene carcinogenesis. III. Cyclic GMP metabolism. Boyd H, et al. **Tissue Cell** 10(3):495–504, 1978

A study of cyclic nucleotide metabolism and the histology of rat liver during 3'-methyl-4-dimethylamino-azobenzene carcinogenesis. II. Cyclic AMP metabolism. Boyd H, et al. **Tissue Cell** 10(3):477–94, 1978

PHARMACODYNAMICS

The role of cyclic 3',5'-AMP in the regulation of aminoacyl-tRNA synthetase activities in mouse uterus and liver following 17beta-oestradiol treatment. Activation of a phosphoaminoacyl-tRNA synthetase phosphatase by phosphorylation with cyclic 3',5'-AMP dependent protein kinase. Berg BH. **Biochim Biophys Acta** 521(1):274–87, 21 Nov 78

Effects of adenosine 3' : 5'-monophosphate and guanosine 3' : 5'-monophosphate on calcium uptake and phosphorylation in membrane fractions of vascular smooth muscle. Thorens S, et al. **Biochim Biophys Acta** 512(2):415–28, 22 Sep 78

Stimulation of ribonucleic aicd synthesis in luteinized rat ovary by cyclic 3', 5'-adenosine monophosphate. Azhar S, et al. **Biol Reprod** 19(2):346–57, Sep 78

A mutant strain of Polysphondylium pallidum deficient in production of cyclic AMP. Francis D, et al. **Dev Biol** 67(1):232–36, Nov 78

Cyclic AMP and the control of aggregative phase gene expression in Dictyostelium discoideum. Sampson J, et al. **Dev Biol** 67(1):54–64, Nov 78

Gonadotropin induced stimulation and desensitization of cyclic 3', 5' -adenosine monophosphate dependent protein kinase(s) in the rat ovary. Azhar S, et al. **Endocr Res Commun** 5(1):1–19, 1978

Negative chronotropic action of cyclic AMP on the fetal rat heart in organ culture. Eyer CL, et al. **Eur J Pharmacol** 51(4):423–8, 15 Oct 78

A histochemical demonstration of the Na+ + K+-ATPase activity in the thyroid and the effect of cyclic adenosine monophosphate (c-AMP). Ivić M, et al. **Experientia** 34(11):1513–4, 15 Nov 78

Cylic AMP inhibition of mammary gland lactose synthesis: specificity and potentiation by 1-methyl-3-isobutylxanthine. Loizzi RF. **Horm Metab Res** 10(5):415–9, Sep 78

Platelets, prostaglandins, and cyclic nucleotides. pp. 227–38. Salzman EW.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (52 ref.)

Studies on the persistence of differentiated functions in rat hepatocytes set into primary tissue culture. II. Production of specific exportable proteins and the effect of purine cyclic nucleotides: an immunofluorescent study. Armato U, et al. **In Vitro** 14(10):838–48, Oct 78

Regulation of lipogenesis by adenosine 3', 5'-cyclic monophosphate in chicken liver in vitro. Bhat NR, et al. **Indian J Biochem Biophys** 15(1):39–42, Feb 78

Regulation of growth & metabolism of ovariectomised rat uterus by adenosine 3', 5'-cyclic monophosphate. Jain SK. **Indian J Biochem Biophys** 15(1):43–8, Feb 78

Prostaglandins, cyclic-AMP, U-tau 118 & acetic acid as insect growth regulators & sterilants. Datta S, et al. **Indian J Exp Biol** 16(8):880–3, Aug 78

Role of small molecules in regulation of D-serine deaminase synthesis. Heincz MC, et al. **J Bacteriol** 136(1):104–10, Oct 78

Phosphorylation of smooth muscle myosin light chain kinase by the catalytic subunit of adenosine 3':5'-monophosphate-dependent protein kinase. Adelstein RS, et al. **J Biol Chem** 253(23):8347–50, 10 Dec 78

Regulation of rat liver acetyl-CoA carboxylase. Stimulation of phosphorylation and subsequent inactivation of liver acetyl-CoA carboxylase by cyclic 3':5'-monophosphate and effect on the structure of the enzyme. Lent BA, et al. **J Biol Chem** 253(22):8149–56, 25 Nov 78

Effect of adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate on RNA release from isolated nuclei. Schumm DE, et al. **J Biol Chem** 253(23):8513–7, 10 Dec 78

Stimulation of the protein synthetic process by adenosine 3':5'-monophosphate and hexose phosphates in gel-filtered rabbit reticulocyte lysates. Wu JM, et al. **J Biol Chem** 253(23):8578–82, 10 Dec 78

Inhibition of plasminogen activator secretion by cyclic AMP in a macrophage-like cell line. Rosen N, et al. **J Cyclic Nucleotide Res** 4(5):345–58, Oct 78

Effect of lin-benzoadenosine and lin-benzoadenosine 3':5'-monophosphate on cyclic AMP-dependent protein kinase activity in vitro. Schmidt MJ, et al. **J Cyclic Nucleotide Res** 4(3):201–7, Jun 78

Influence of cyclic AMP on intracellular pH regulation and chloride fluxes in barnacle muscle fibers. Boron WF, et al. **Nature** 276(5687):511–3, 30 Nov 78

Stimulatory effect of prostaglandins on the production of hexosamine-containing substances by cultured fibroblasts (4) adenosine 3':5'-cyclic monophosphate independent stimulation by prostaglandin F2alpha. Murota S, et al. **Prostaglandins** 16(3):389–96, Sep 78

[Changes in membrane-bound acetylcholinesterase activity following structural modifications induced by cAMP] Volotovskii ID, et al. **Biofizika** 23(6):1100–1, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Antihypoxic effect of analogs of cyclic adenosine monophosphate, phosphodiesterase inhibitors] Kozhemiakin LA, et al. **Farmakol Toksikol** 41(6):711–4, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Effect of cAMP on the structural and functional properties of the erythrocytes] Finin VS, et al. **Tsitologiia** 20(8):947–51, Aug 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Biochemical aspects of arrhythmogenesis and ventricular fibrillation. Opie LH, et al. **Am J Cardiol** 43(1):131–48, Jan 79 (161 ref.)

Evidence against a physiological role of cAMP in choleresis in dogs and rats. Poupon RE, et al. **Biochem Pharmacol** 27(20):2413–6, 1978

Modeling the role of cyclic AMP in catabolite repression of inducible enzyme biosynthesis in microbial cells. Gondo S, et al. **Biotechnol Bioeng** 20(11):1797–815, Nov 78

Cyclic nucleotides and central cardiovascular control in the cat [proceedings] Clipsham PJ, et al. **Br J Pharmacol** 64(3):395P, Nov 78

On the possible mechanism underlying spontaneous pacemaking. pp. 357–67. Pollack GH.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.

Cyclic AMP-dependent regulation of ornithine decarboxylase activity in Chinese hamster ovary cells maintained with a salts/glucose medium. Costa M. **J Cyclic Nucleotide Res**

4(5):375–87, Oct 78

Accelerated RNA and protein synthesis in mitochondria isolated from unperfused myocardium. Possible involvement of cyclic AMP. Kleitke B, et al. **J Mol Cell Cardiol** 10(9):827–45, Sep 78

Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Fredholm BB. **Med Biol** 56(5):249–61, Oct 78 (111 ref.)

The role of cyclic AMP in CRF-induced ACTH secretion. Portanova R, et al. **Proc Soc Exp Biol Med** 159(1):6–11, Oct 78

Stimulatory effect of prostaglandins on the production of hexosamine-containing substances by cultured fibroblasts (4) adenosine 3':5'-cyclic monophosphate independent stimulation by prostaglandin F2alpha. Murota S, et al. **Prostaglandins** 16(3):389–96, Sep 78

Role of adenosine 3',5'-monophosphate (cyclic AMP) in canine bile-salt-stimulated choleresis. Kaminski DL, et al. **Surg Forum** 28:409–11, 1977

Examination of hormonally regulated functions in differentially metastasizing melanoma cells. Niles RM, et al. **Surg Forum** 28:145–7, 1977

[Is cAMP an intermediate in the releasing action of Gn-RH? (proceedings) (author's transl)] Bérault A, et al. **Ann Endocrinol (Paris)** 39(3):227–8, 1978 (Eng. Abstr.) **(Fre)**

[Cyclic adenosine 3-5 monophosphate (c-AMP) and allergy] Ring J. **Hautarzt** 29(12):625–31, Dec 78 (Eng. Abstr.) **(Ger)**

[Role of the cAMP system in the mechanisms of taste reception] Samollov VO, et al. **Dokl Akad Nauk SSSR** 241(6):1478–80, 1978 **(Rus)**

[Development during ontogenesis of the hormone reactivity of metabolic enzyme systems and cyclic nucleotide function] Pertseva MN. **Usp Sovrem Biol** 86(2):177–91, Sep–Oct 78 (80 ref.) **(Rus)**

RADIATION EFFECTS

[Concentration of 3',5'-cAMP in rat tissues during adaptation to hypoxia and exposure to gamma-radiation] Makeeva VF, et al. **Dokl Akad Nauk SSSR** 242(6):1436–7, 1978 **(Rus)**

[Change in tyrosine aminotransferase activity after gamma irradiation in the early embryogenesis period and the possible role of the cAMP system in this process] Slozhenikina LV, et al. **Radiobiologiia** 18(5):643–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

SECRETION

Release of cyclic AMP from thyroid cells in vitro. Ahrén B, et al. **Acta Endocrinol (Copenh)** 89(4):693–700, Dec 78

Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Lindsey AM, et al. **Proc Soc Exp Biol Med** 159(2):230–6, Nov 78

Long-term maintenance of responsive human parathyroid tissue in organ culture. Derenoncourt FJ, et al. **Surg Forum** 28:107–9, 1977

Role of adenosine 3',5'-monophosphate (cyclic AMP) in canine bile-salt-stimulated choleresis. Kaminski DL, et al. **Surg Forum** 28:409–11, 1977

THERAPEUTIC USE

[Antihypoxic effect of analogs of cyclic adenosine monophosphate, phosphodiesterase inhibitors] Kozhemiakin LA, et al. **Farmakol Toksikol** 41(6):711–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

URINE

Urinary phosphate and cyclic AMP in pseudohypoparathyroidism. Klahr S, et al. **Adv Exp Med Biol** 103:173–85, 1978 (34 ref.)

Urinary excretion of cyclic adenosine 3'–5' monophosphate in central diabetes insipidus patients treated with certain antidiuretic drugs. Pruszczyński W. **Endokrynol Pol** 29(6):517–25, Nov–Dec 78

Urinary phosphate and cyclic AMP excretion following citrate-induced hypocalcemic stimulation of the neonatal parathyroid glands. Brown DR, et al. **J Pediatr** 93(5):842–6, Nov 78

Oral calcium tolerance and urinary cyclic AMP in urolithiasis. Nelson JH 3d, et al. **Urology** 12(5):519–24, Nov 78

GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE

ANALYSIS

Immuno-histochemical localization of cyclic nucleotides in the periodontium: mechanically-stressed cells in vivo. Davidovitch Z, et al. **Anat Rec** 192(3):351–61, Nov 78

Immuno-histochemical localization of cyclic nucleotides in mineralized tissues: mechanically-stressed osteoblasts in vivo. Davidovitch Z, et al. **Anat Rec** 192(3):363–73, Nov 78

BIOSYNTHESIS

Regulation of synthesis of guanosine 3':5'-cyclic monophosphate in neuroblastoma cells. Bartfai T, et al. **Biochem J** 176(1):119–27, 15 Oct 78

Muscarinic receptor-mediated cyclic GMP formation by cultured nerve cells—ionic dependence and effects of local anesthetics. Richelson E, et al. **Biochem Pharmacol** 27(16):2039–48, 1978

BLOOD

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et al. **Endocrinol Jpn** 25(4):329–34, Aug 78

Cyclic GMP binding and cyclic GMP phosphodiesterase in rat platelets. Hamet P, et al. **J Cyclic Nucleotide Res** 4(4):281–90, Aug 78

ISOLATION & PURIFICATION

Separation of cyclic AMP and cyclic GMP from thymidine, electrolytes and polyvalent nucleotides in tissue samples. Roberson GM, et al. **Biochim Biophys Acta** 544(1):20–8, 15 Nov 78

METABOLISM

Effect of lowering of the temperature on the tissue levels of cAMP, cGMP, PGE and PGF2 alpha in spontaneously beating rat atria preparation. Parantainen J, et al. **Acta Physiol Scand** 104(2):213–6, Oct 78

Insulin release, cGMP, cAMP, and membrane potential in acetylcholine-stimulated islets. Gagerman E, et al. **Am J Physiol** 235(5):E493–500, Nov 78

Effects of multiple phorbol myristate acetate treatments on cyclic nucleotide levels in mouse epidermis. Garte SJ, et al. **Biochem Biophys Res Commun** 84(2):489–94, 29 Sep 78

The effects of nonsuppressible insulin-like protein (NSILP) on cyclic nucleotide metabolism in rat liver. Leichter SB, et al. **Biochem Biophys Res Commun** 84(2):403–10, 29 Sep 78

Cyclic nucleotide levels in the rat striatum and cerebellum—in vivo effects of dopamine and acetylcholine receptor agonists and antagonists. Puri SK, et al. **Biochem Pharmacol** 27(19):2333–6, 1978

Effect of vasoactive intestinal peptide (VIP) and other peptides on cAMP accumulation in rat brain. Quik M, et al. **Biochem Pharmacol** 27(18):2209–13, 1978

Blockade by N-methylhydroxylamine of activation of guanylate cyclase and elevations of guanosine 3',5'-monophosphate levels in nervous tissues. Deguchi T, et al. **Biochim Biophys Acta** 544(1):8–19, 15 Nov 78

Cyclic nucleotides and protein kinase systems in the developing chick retina and pigment epithelium. Fletcher RT, et al. **Biochim Biophys Acta** 544(1):45–52, 15 Nov 78

A possible role for guanosine 3',5'-monophosphate in the stimulus-secretion coupling in exocrine pancreas. Kapoor CL, et al. **Biochim Biophys Acta** 544(1):102–12, 15 Nov 78

Effects of calcium and chelating agents on the ability of various agonists to increase cyclic GMP in pancreatic acinar cells. Lopatin RN, et al. **Biochim Biophys Acta** 543(4):465–75, 1 Nov 78

Effect of a phosphodiesterase inhibitor on cyclic GMP changes induced by muscarinic agonists in mouse neuroblastoma cells [proceedings] Strange PG, et al. **Br J Pharmacol** 64(3):450P–451P, Nov 78

Studies on the cell location of cyclic 3',5'-guanosine monophosphate-dependent protein kinase in cerebellum. Bandle E, et al. **Brain Res** 156(2):412–6, 10 Nov 78

Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Ochi Y, et

al. **Endocrinol Jpn** 25(4):329–34, Aug 78

On the possible mechanism underlying spontaneous pacemaking. pp. 357–67. Pollack GH.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.

Lung tissue guanosine 3',5'-monophosphate: effects of ventilation and anesthesia. Klass DJ. **J Appl Physiol** 45(4):487–94, Oct 78

Levels of cyclic GMP in dormant, germinated, and outgrowing spores and growing and sporulating cells of Bacillus megaterium. Setlow B, et al. **J Bacteriol** 136(1):433–6, Oct 78

Possible role of cyclic nucleotides in the mechanism of the protective effect of methylprednisolone on the hypoxic rat heart. Busuttil RW, et al. **J Cyclic Nucleotide Res** 4(3):209–18, Jun 78

Effects of sodium nitroprusside and ascorbic acid on rat adrenocortical cell cGMP levels and steroidogenesis. Laychock SG, et al. **J Cyclic Nucleotide Res** 4(5):335–44, Oct 78

Role of cGMP in isolated rat parotid acinar cells. Mangos JA. **J Dent Res** 57(11–12):989–94, Nov–Dec 78

Enhanced intracellular cGMP concentrations and lectin-induced lymphocyte transformation. Atkinson JP, et al. **J Immunol** 121(6):2282–91, Dec 78

Mechanisms of action of 'lymphocyte-activating factor' (LAF). III. Evidence that LAF acts on stimulated lymphocytes by raising cyclic GMP in G1. Katz SP, et al. **J Immunol** 121(6):2386–91, Dec 78

Effects of secretagogues and theophylline on canine gastric mucosal cyclic nucleotides. Levine RA, et al. **J Lab Clin Med** 92(5):813–21, Nov 78

Cyclic nucleotide concentrations in 7.12-dimethylbenz[a]anthracene-induced pancreatic cancer in rats. Stevens RH, et al. **J Natl Cancer Inst** 61(5):1281–4, Nov 78

Cyclic nucleotide-binding proteins detected by photoaffinity labeling in nucleus and cytoplasm of bovine liver. Friedman DL, et al. **Proc Natl Acad Sci USA** 75(11):5286–90, Nov 78

A study of cyclic nucleotide metabolism and the histology of rat liver during 3'-methyl-4-dimethylamino-azobenzene carcinogenesis. III. Cyclic GMP metabolism. Boyd H, et al. **Tissue Cell** 10(3):495–504, 1978

PHARMACODYNAMICS

Effects of adenosine 3' : 5'-monophosphate and guanosine 3' : 5'-monophosphate on calcium uptake and phosphorylation in membrane fractions of vascular smooth muscle. Thorens S, et al. **Biochim Biophys Acta** 512(2):415–28, 22 Sep 78

Effects of acetylcholine and cyclic GMP on input resistance of cortical neurons in awake cats. Woody CD, et al. **Brain Res** 158(2):373–95, 15 Dec 78

Cyclic AMP and the control of aggregative phase gene expression in Dictyostelium discoideum. Sampson J, et al. **Dev Biol** 67(1):54–64, Nov 78

Platelets, prostaglandins, and cyclic nucleotides. pp. 227–38. Salzman EW.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (52 ref.)

Studies on the persistence of differentiated functions in rat hepatocytes set into primary tissue culture. II. Production of specific exportable proteins and the effect of purine cyclic nucleotides: an immunofluorescent study. Armato U, et al. **In Vitro** 14(10):838–48, Oct 78

Effect of adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate on RNA release from isolated nuclei. Schumm DE, et al. **J Biol Chem** 253(23):8513–7, 10 Dec 78

Role of cGMP in isolated rat parotid acinar cells. Mangos JA. **J Dent Res** 57(11–12):989–94, Nov–Dec 78

The effect of cGMP in rabbit auricle as studied by a cut-end method. Tuganowski W, et al.
Naunyn Schmiedebergs Arch Pharmacol 304(3):211–3, 16 Oct 78

PHYSIOLOGY

Cyclic nucleotides and central cardiovascular control in the cat [proceedings] Clipsham PJ, et al. **Br J Pharmacol** 64(3):395P, Nov 78

On the possible mechanism underlying spontaneous pacemaking. pp. 357–67. Pollack GH.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.

Role of cGMP in isolated rat parotid acinar cells. Mangos JA. **J Dent Res** 57(11–12):989–94, Nov–Dec 78

Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Fredholm BB. **Med Biol** 56(5):249–61, Oct 78 (111 ref.)

[Development during ontogenesis of the hormone reactivity of metabolic enzyme systems and cyclic nucleotide function] Pertseva MN. **Usp Sovrem Biol** 86(2):177–91, Sep–Oct 78 (80 ref.) **(Rus)**

APPENDIX

ADENYL CYCLASE

ANALYSIS

Liver regeneration in dogs: morphologic and chemical changes. Francavilla A, et al. **J Surg Res** 25(5):409–19, Nov 78

[beta-Adrenergic receptor and adenylate cyclase (author's transl)] Haga T. **Tanpakushitsu Kakusan Koso** 23(9):1032–41, Sep 78 (59 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibition of adenylate cyclase by adenosine analogues in preparations of broken and intact human platelets. Evidence for the unidirectional control of platelet function by cyclic AMP. Haslam RJ, et al. **Biochem J** 176(1):83–95, 15 Oct 78

Inhibition of bovine adrenocortical adenylate cyclase activity by adenosine. Glynn P, et al. **Biochim Biophys Acta** 526(2):605–12, 12 Oct 78

Characteristics of adenylate cyclase activity in pig coronary arteries. Hamet P, et al. **J Cyclic Nucleotide Res** 4(3):183–99, Jun 78

Structure-activity study of beta-adrenergic agents using the SIMCA method of pattern recognition. Dunn WJ 3d, et al. **J Med Chem** 21(9):922–30, Sep 78

Synthesis and biological evaluation of some 2-amino-4-aryl-3H-1,5-benzodiazepine analogues of clozapine. Ellefson CR, et al. **J Med Chem** 21(9):952–7, Sep 78

Adenylate cyclase from Fasciola hepatica. 1. Ligand specificity of adenylate cyclase-coupled serotonin receptors. Northup JK, et al. **Mol Pharmacol** 14(5):804–19, Sep 78

Psychopharmacological implications of dopamine and dopamine antagonists: a critical evaluation of current evidence. Hornykiewicz O. **Neuroscience** 3(9):773–83, 1978 (88 ref.)

Adenosine analogs inhibit adipocyte adenylate cyclase by a GTP-dependent process: basis for actions of adenosine and methylxanthines on cyclic AMP production and lipolysis. Londos C, et al. **Proc Natl Acad Sci USA** 75(11):5362–6, Nov 78

BLOOD

Platelet function in thrombosis and atherosclerosis. Colman RW. **Adv Exp Med Biol** 104:421–36, 1978

Inhibition of adenylate cyclase by adenosine analogues in preparations of broken and intact human platelets. Evidence for the unidirectional control of platelet function by cyclic AMP. Haslam RJ, et al. **Biochem J** 176(1):83–95, 15 Oct 78

A simple assay for adenylate cyclase in intact cells by affinity elution chromatography. Sinha AK, et al. **Biochem J** 174(3):699–702, 15 Sep 78

Identification and quantification of beta-adrenoceptors sites in red blood cells from rats. Kaiser G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(1):41–50, Oct 78

ISOLATION & PURIFICATION

Properties of particulate and detergent-solubilized adenylate cyclase of rat testis. Effects of follitropin stimulation. Abou-Issa H, et al. **Biochim Biophys Acta** 526(2):613–25, 12 Oct 78

[beta-Adrenergic receptor and adenylate cyclase (author's transl)] Haga T. **Tanpakushitsu Kakusan Koso** 23(9):1032–41, Sep 78 (59 ref.) **(Jpn)**

[Properties of adenylate cyclase of rabbit skeletal muscle sarcolemma] Dmitrenko NP. **Ukr Biokhim Zh** 50(5):607–11, Sep-Oct 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Activation of histamine H2-receptors by St 600. Caputi AP, et al. **Agressologie** 19(1):35–7, 1978

Inhibition by propranolol of bile acid- and PGE1-stimulated camp and intestinal secretion. Taub M, et al. **Am J Gastroenterol** 70(2):129–35, Aug 78

Interaction of prostaglandins with canine gastric mucosal adenylate cyclase-cyclic AMP system. Dozois RR, et al. **Am J Physiol** 235(5):E546–51, Nov 78

Stimulation of adenylate cyclase in isolated rat glomeruli by prostaglandins. Schlondorff D, et al. **Am J Physiol** 235(5):F458–64, Nov 78

Subcellular distribution of nucleotide cyclases in rat intestinal epithelium. Walling MW, et al. **Am J Physiol** 235(5):E539–45, Nov 78

Reevaluation of adenylate cyclase in Reissner's membrane. Thalmann I, et al. **Arch Otorhinolaryngol** 221(4):311–2, 30 Nov 78

The effects of nonsuppressible insulin-like protein (NSILP) on cyclic nucleotide metabolism in rat liver. Leichter SB, et al. **Biochem Biophys Res Commun** 84(2):403–10, 29 Sep 78

Specific binding of the calcium-dependent regulation protein to brain membranes from the guinea pig. Vandermeers A, et al. **Biochem Biophys Res Commun** 84(4):1076–81, 30 Oct 78

Changes in the form of Arrhenius plots of the activity of glucagon-stimulated adenylate cyclase and other hamster liver plasma-membrane enzymes occurring on hibernation. Houslay MD, et al. **Biochem J** 174(3):909–19, 15 Sep 78

The adenylate cyclase-activating activity of cholera toxin is not associated with a nicotinamide--adenine dinucleotide glycohydrolase activity. Tait RM, et al. **Biochem J** 174(3):1059–62, 15 Sep 78

Dopamine-sensitive adenylate cyclase in retina--subcellular distribution. Clement-Cormier YC, et al. **Biochem Pharmacol** 27(18):2281–2, 1978

Influence of some divalent cations on heart sarcolemmal bound enzymes and calcium binding. Harrow JA, et al. **Biochem Pharmacol** 27(22):2605–9, 1978

The mode of coupling of adenylate cyclase to hormone receptors and its modulation by GTP. Levitzki A. **Biochem Pharmacol** 27(17):2083–8, 1978 (41 ref.)

Effect of vasoactive intestinal peptide (VIP) and other peptides on cAMP accumulation in rat brain. Quik M, et al. **Biochem Pharmacol** 27(18):2209–13, 1978

Properties of particulate and detergent-solubilized adenylate cyclase of rat testis. Effects of follitropin stimulation. Abou-Issa H, et al. **Biochim Biophys Acta** 526(2):613–25, 12 Oct 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues. Amsterdam A, et al. **Biochim Biophys Acta** 544(2):273–83, 1 Dec 78

Change of coupling system of receptor-adenylate cyclase induced by epinephrine and GTP in plasma membranes of rat liver. Okamura N, et al. **Biochim Biophys Acta** 544(1):113–27, 15 Nov 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1

APPENDIX

Dec 78

Neuronal localization of specific brain phosphoproteins. Sieghart W, et al. **Brain Res** 156(2):345–50, 10 Nov 78

Interaction of morphine, etorphine and enkephalins with dopamine-stimulated adenylate cyclase of monkey amygdala. Walczak SA, et al. **Brain Res** 160(1):105–16, 5 Jan 79

Renal adenylate cyclase systems. Osswald H, et al. **Contrib Nephrol** 14:74–86, 1978

Effects of prostaglandins and their methylated analogues upon human adenylate cyclase in the upper gastrointestinal tract. Simon B, et al. **Digestion** 17(6):547–53, 1978

Activity of adenylate cyclase and phospodiesterase in the pituitary and thyroid during postnatal period in rats. Knopp J, et al. **Endocrinol Exp (Bratisl)** 12(3):179–85, Sep 78

Effects of adrenergic blocking agents on lipolysis and adenyl cyclase activity induced by vasoactive intestinal polypeptide (VIP). Saito Y, et al. **Endocrinol Jpn** 25(4):403–5, Aug 78

beta-Adrenergic receptors and catecholamine-sensitive adenylate cyclase in rat fat-cell membranes: influence of growth, cell size and aging. Giudicelli Y, et al. **Eur J Biochem** 90(2):413–9, Oct 78

The interaction of caerulein with the rat pancreas. 3. Structural requirements for in vitro binding of caerulein-like peptides and its relationship to increased calcium outflux, adenylate cyclase activation, and secretion. Robberecht P, et al. **Eur J Biochem** 91(1):39–48, 2 Nov 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Takasu N, et al. **Eur J Biochem** 90(1):139–46, 15 Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Takasu N, et al. **Eur J Biochem** 90(1):131–8, 15 Sep 78

Effect of pretreatment with bronchodilator drugs on in vitro responsiveness of guinea pig lung adenylate cyclase. Elfellah MS, et al. **Eur J Pharmacol** 51(3):211–7, 1 Oct 78

Effects of prostaglandins on rat cardiac adenylate cyclase. Kangasaho M, et al. **Eur J Pharmacol** 52(1):93–8, 1 Nov 78

Adenylate cyclase and phosphodiesterase from brain tissue: different stabilities during incubation of cerebral cortical slices. Schultz J, et al. **Experientia** 34(11):1432–3, 15 Nov 78

Kinetics of activation of ADP-ribosylation and adenylate cyclase by cholera toxin in cloned differentiated hepatocytes. Beckner S, et al. **FEBS Lett** 95(2):319–22, 15 Nov 78

Cyclic AMP metabolism and adenylate cyclase concentration in patients with advanced hepatic cirrhosis. Francavilla A, et al. **Gastroenterology** 75(6):1026–32, Dec 78

Reversal of cyclic AMP-mediated intestinal secretion in mice by chlorpromazine. Holmgren J, et al. **Gastroenterology** 75(6):1103–8, Dec 78

Comparison of the interaction of mono- and oligovalent ligands with cholera toxin. Demonstration of aggregate formation at low ligand concentrations. Schwarzmann G, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1277–86, Oct 78

Biochemical effect of some new proposed antidepressant drugs on the monoaminergic systems in the rat brain. pp. 155–68. Algeri S, et al.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.

The role of neuroleptic drug receptors on astroglial cells. pp. 435–41. Henn FA, et al.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.

Adenylate cyclase activity of Mycobacterium smegmatis CDC 46. Padh H, et al. **Indian J Biochem Biophys** 15(2):141–3, Apr 78

Effect of propyl thiouracil on adenyl cyclase activity & phospholipogenesis in rat thyroids. Pahuja DN, et al. **Indian J Biochem Biophys** 15(1):79–80, Feb 78

Cytotoxic activity of Aeromonas hydrophila. Donta ST, et al. **Infect Immun** 21(3):989–93, Sep 78

Effect of glucagon on calcium binding by rat liver plasma membranes. Hughes WA, et al. **Int J Biochem** 9(10):751–5, 1978

The triglyceride storage diseases--a review. Galton DJ. **Int J Obes** 1(1):3–13, 1977 (12 ref.)

Changes in composition of envelope proteins in adenylate cyclase- or cyclic AMP receptor protein-deficient mutants of Escherichia coli. Aono R, et al. **J Bacteriol** 136(2):812–4, Nov 78

The agonist-specific effect of magnesium ion on binding by beta-adrenergic receptors in S49 lymphoma cells. Interaction of GTP and magnesium in adenylate cyclase activation. Bird SJ, et al. **J Biol Chem** 253(24):8826–34, 25 Dec 78

Evidence in intact cells for an involvement of GTP in the activation of adenylate cyclase. Johnson GS, et al. **J Biol Chem** 254(1):95–100, 10 Jan 79

Analysis of sodium fluoride enhancement of calcitonin stimulation of renal cortical adenylate cyclase. Queener SF, et al. **J Biol Chem** 253(24):9033–40, 25 Dec 78

Isoproterenol-induced desensitization of adenylate cyclase in human astrocytoma cells. Relation of loss of hormonal responsiveness and decrement in beta-adrenergic receptors. Su YF, et al. **J Biol Chem** 254(1):38–41, 10 Jan 79

Induction of metabolic changes and down regulation of bovine parathyroid hormone-responsive adenylate cyclase are dissociable in isolated osteoclastic and osteoblastic bone cells. Wong GL. **J Biol Chem** 254(1):34–7, 10 Jan 79

S49 lymphoma wild type and variant clones contain normal calcium dependent regulator. Burgess WH, et al. **J Cyclic Nucleotide Res** 4(3):175–81, Jun 78

Adenylylimidodiphosphate: effect of contaminants on adenylate cyclase activity. Clark RB. **J Cyclic Nucleotide Res** 4(4):259–70, Aug 78

Characteristics of adenylate cyclase activity in pig coronary arteries. Hamet P, et al. **J Cyclic Nucleotide Res** 4(3):183–99, Jun 78

Activation of epinephrine and glucagon-sensitive adenylate cyclases of rat liver by cytosol protein factors. Role in loss of enzyme activities during preparation of particulate fractions, quantitation and partial characterization. Katz MS, et al. **J Cyclic Nucleotide Res** 4(5):389–407, Oct 78

Essential role of GTP in the expression of adenylate cyclase activity after cholera toxin treatment. Lin MC, et al. **J Cyclic Nucleotide Res** 4(3):159–68, Jun 78

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311–21, Aug 78

Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. Holmes SD, et al. **J Endocrinol** 79(1):121–30, Oct 78

Structure-activity study of beta-adrenergic agents using the SIMCA method of pattern recognition. Dunn WJ 3d, et al. **J Med Chem** 21(9):922–30, Sep 78

Presynaptic modulation of beta adrenergic receptors in rat cerebral cortex after treatment with antidepressants. Wolfe BB, et al. **J Pharmacol Exp Ther** 207(2):446–57, Nov 78

Comparison of adenylate cyclase activity and in vitro secretion in the parotid and sublingual glands of the mouse. Nieuw Amerongen AV, et al. **J Physiol (Lond)** 283:211–21, Oct 78

Beta-adrenergic receptors: regulatory role of agonists. Lefkowitz RJ, et al. **J Supramol Struct** 8(4):501–10, 1978

Mechanism of action of choleragen. Vaughan M, et al. **J Supramol Struct** 8(4):473–88, 1978

Morphology and cyclic AMP metabolism of normal and spontaneously transformed rabbit transitional epithelium in vitro. Chlapowski FJ. **Life Sci** 23(13):1325–36, 2 Oct 78

Beta-adrenergic receptor in the brain: comparison of 3H-dihydroalprenolol binding sites and a beta-adrenergic receptor regulating adenylyl cyclase activity in cell free homogenates. Cote TE, et al. **Life Sci** 23(16):1703–13, 23 Oct 78

Dopamine receptors: pharmacological and anatomical evidences indicate that two distinct dopamine receptor populations are present in rat striatum. Garau L, et al. **Life Sci** 23(17–18):1745–50, 30 Oct 78

Cardiac beta-adrenergic receptor: evaluation of FM 24 as a new and very slowly dissociable blocker. Le Fur G, et al. **Life Sci** 23(17–18):1841–50, 30 Oct 78

H1- and H2-histamine receptors linked to adenylate cyclase in cell-free preparations of guinea pig cerebral cortex. Psychoyos S. **Life Sci** 23(21):2155–62, 20 Nov 78

Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Fredholm BB. **Med Biol** 56(5):249–61, Oct 78 (111 ref.)

Pathophysiological effects of Vibrio cholerae and enterotoxigenic Escherichia coli and their exotoxins on eucaryotic cells. Richards KL, et al. **Microbiol Rev** 42(3):592–613, Sep 78 (218 ref.)

Properties of LH-sensitive adenylate cyclase in purified plasma membranes from rat ovary. Mintz Y, et al. **Mol Cell Endocrinol** 11(3):265–83, Sep 78

The cyclic 3',5'-adenosine monophosphate receptor protein and regulation of cyclic 3',5'-adenosine monophosphate synthesis in Escherichia coli. Botsford JL, et al. **Mol Gen Genet** 165(1):47–56, 20 Sep 78

Adenylate cyclase from Fasciola hepatica. 2. Role of guanine nucleotides in coupling adenylate cyclase and serotonin

receptors. Northup JK, et al. **Mol Pharmacol** 14(5):820–33, Sep 78

Adenylate cyclase from Fasciola hepatica. 1. Ligand specificity of adenylate cyclase–coupled serotonin receptors. Northup JK, et al. **Mol Pharmacol** 14(5):804–19, Sep 78

Defining the histamine H2–receptor in brain: the interaction with LSD. Green JP, et al. **Natl Inst Drug Abuse Res Monogr Ser** (22):38–59, 1978 (76 ref.)

Mode of coupling between hormone receptors and adenylate cyclase elucidated by modulation of membrane fluidity. Rimon G, et al. **Nature** 276(5686):394–6, 23 Nov 78

The newborn mouse as a model for study of the effects of hormonal steroids in the young. Kohrman AF. **Pediatrics** 62(6 Pt 2):1143–50, Dec 78

Role of membrane lipid composition, organization, and fluidity in human platelet function. Shattil SJ, et al. **Prog Hemost Thromb** 4:59–86, 1978 (223 ref.)

Cellular interactions uncouple beta–adrenergic receptors from adenylate cyclase. Ciment G, et al. **Science** 202(4369):765–8, 17 Nov 78

Octopamine receptors, adenosine 3',5'–monophosphate, and neural control of firefly flashing. Nathanson JA. **Science** 203(4375):65–8, 5 Jan 79

A study of cyclic nucleotide metabolism and the histology of rat liver during 3'–methyl–4–dimethylamino–azobenzene carcinogenesis. II. Cyclic AMP metabolism. Boyd H, et al. **Tissue Cell** 10(3):477–94, 1978

[Is cAMP an intermediate in the releasing action of Gn–RH? (proceedings) (author's transl)] Bérault A, et al. **Ann Endocrinol (Paris)** 39(3):227–8, 1978 (Eng. Abstr.) **(Fre)**

[Properties of adenylate cyclase of rabbit skeletal muscle sarcolemma] Dmitrenko NP. **Ukr Biokhim Zh** 50(5):607–11, Sep–Oct 78 (Eng. Abstr.) **(Rus)**

[Development during ontogenesis of the hormone reactivity of metabolic enzyme systems and cyclic nucleotide function] Pertseva MN. **Usp Sovrem Biol** 86(2):177–91, Sep–Oct 78 (80 ref.) **(Rus)**

[Disordered regulation of cell membrane adenyl cyclase and guanyl cyclase activity as a possible factor in carcinogenesis] Hermann B. **Vopr Onkol** 24(10):28–31, 1978 (Eng. Abstr.) **(Rus)**

[Ultrastructural localization of adenylate cyclase in the myocardium. Influence of dimethylsulfoxide (author's transl)] Slezák J, et al. **Bratisl Lek Listy** 70(4):419–28, Oct 78 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

[Kallikrein and prostaglandin E–1––comparative study on the increased motility of spermatozoa by laser–doppler spectroscopy] Steiner R, et al. **Fortschr Androl** 6:26–34, 1978 **(Ger)**

PHYSIOLOGY

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

[Mechanisms of virus penetration through surface cell membranes. Hypotheses, theories, and facts (author's transl)] Križanová O. **Bratisl Lek Listy** 70(5):644–52, Nov 78 (Eng. Abstr.) **(Slo)**

GUANYL CYCLASE

ANTAGONISTS & INHIBITORS

Effect of hydrazine, isonicotinic acid hydrazide, hydrazine sulfate, and dimethylhydrazine on guanylate cyclase activity. Vesely DL, et al. **Enzyme** 23(5):289–94, 1978

Modulation of rat guanylate cyclase activity in vitro by chemical carcinogens. Vesely DL, et al. **Enzyme** 23(5):356–60, 1978

Inhibitory effects of cyclic–AMP dependent protein kinase on guanylate cyclase activity in rat cerebellum. Kumakura K, et al. **FEBS Lett** 93(2):231–4, 15 Sep 78

ISOLATION & PURIFICATION

Restoration of the responsiveness of purified guanylate cyclase to nitrosoguanidine, nitric oxide, and related activators by heme and hemeproteins. Evidence for involvement of the paramagnetic nitrosyl–heme complex in enzyme activation. Craven PA, et al. **J Biol Chem** 253(23):8433–43, 10 Dec 78

Purification of soluble guanylate cyclase from rat lung. Garbers DL. **J Biol Chem** 254(1):240–3, 10 Jan 79

Purification of guanylate cyclase from rat liver supernatant. Tsai SC, et al. **J Biol Chem** 253(23):8542–7, 10 Dec 78

METABOLISM

Subcellular distribution of nucleotide cyclases in rat intestinal epithelium. Walling MW, et al. **Am J Physiol** 235(5):E539–45, Nov 78

Modulation by substrate and cations of guanylate cyclase activity in detergent–dispersed plasma membranes from rat adipocytes. Levilliers J, et al. **Biochem Biophys Res Commun** 84(3):727–35, 16 Oct 78

Regulation of synthesis of guanosine 3':5'–cyclic monophosphate in neuroblastoma cells. Bartfai T, et al. **Biochem J** 176(1):119–27, 15 Oct 78

Blockade by N–methylhydroxylamine of activation of guanylate cyclase and elevations of guanosine 3',5'–monophosphate levels in nervous tissues. Deguchi T, et al. **Biochim Biophys Acta** 544(1):8–19, 15 Nov 78

Effect of hydrazine, isonicotinic acid hydrazide, hydrazine sulfate, and dimethylhydrazine on guanylate cyclase activity. Vesely DL, et al. **Enzyme** 23(5):289–94, 1978

Inhibitory effects of cyclic–AMP dependent protein kinase on guanylate cyclase activity in rat cerebellum. Kumakura K, et al. **FEBS Lett** 93(2):231–4, 15 Sep 78

The effect of streptozotocin analogues on guanylate cyclase activity. Vesely DL, et al. **Horm Metab Res** 10(5):392–5, Sep 78

Glial cell reactions and aberrations: drug effects. pp. 403–12. Roth–Schechter BF, et al. **In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.**

Restoration of the responsiveness of purified guanylate cyclase to nitrosoguanidine, nitric oxide, and related activators by heme and hemeproteins. Evidence for involvement of the paramagnetic nitrosyl–heme complex in enzyme activation. Craven PA, et al. **J Biol Chem** 253(23):8433–43, 10 Dec 78

Purification of soluble guanylate cyclase from rat lung. Garbers DL. **J Biol Chem** 254(1):240–3, 10 Jan 79

Purification of guanylate cyclase from rat liver supernatant. Tsai SC, et al. **J Biol Chem** 253(23):8542–7, 10 Dec 78

Immobilization of rat lung soluble guanylate cyclase on alkyl–agarose gels. Garbers DL. **J Cyclic Nucleotide Res** 4(4):271–9, Aug 78

Enhanced intracellular cGMP concentrations and lectin–induced lymphocyte transformation. Atkinson JP, et al. **J Immunol** 121(6):2282–91, Dec 78

The newborn mouse as a model for study of the effects of hormonal steroids in the young. Kohrman AF. **Pediatrics** 62(6 Pt 2):1143–50, Dec 78

A study of cyclic nucleotide metabolism and the histology of rat liver during 3'–methyl–4–dimethylamino–azobenzene carcinogenesis. III. Cyclic GMP metabolism. Boyd H, et al. **Tissue Cell** 10(3):495–504, 1978

[Development during ontogenesis of the hormone reactivity of metabolic enzyme systems and cyclic nucleotide function] Pertseva MN. **Usp Sovrem Biol** 86(2):177–91, Sep–Oct 78 (80 ref.) **(Rus)**

[Disordered regulation of cell membrane adenyl cyclase and guanyl cyclase activity as a possible factor in carcinogenesis] Hermann B. **Vopr Onkol** 24(10):28–31, 1978 (Eng. Abstr.) **(Rus)**

HORMONES, ECTOPIC

[Basic physiopathological considerations in hyperthyroidism (author's transl)] Bougneres P, et al. **Chirurgie** 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**

ANALYSIS

Overview on new immunologic markers for diagnosis of cancer. Herberman RB. **Cancer** 42(3 Suppl):1595–600, Sep 78 (50 ref.)

BIOSYNTHESIS

Ectopic production of human chorionic gonadotropin in malignant tumors. Hattori M, et al. **Cancer** 42(5):2328–33, Nov 78

Ultrastructural concomitants of sodium butyrate–enhanced ectopic production of chorionic gonadotropin and its alpha subunit human bronchogenic carcinoma (ChaGo) cells.

Tralka TS, et al. **JNCI** 62(1):45–61, Jan 79
[Ectopic ADH syndrome] Runeberg L. et al. **Duodecim** 94(22):1385–9, 1978 **(Fin)**
[Biological background of paraneoplastic phenomena] Saksela E. **Duodecim** 94(22):1374–6, 1978 **(Fin)**

BLOOD

Ectopic production of human chorionic gonadotropin in malignant tumors. Hattori M, et al. **Cancer** 42(5):2328–33, Nov 78
[Malignant tumors] Tanaka M, et al. **Nippon Rinsho** 36(10):3426–30, Oct 78 (38 ref.) **(Jpn)**

IMMUNOLOGY

[Tumor associated antigens] Seppälä M. **Duodecim** 94(22):1446–60, 1978 **(Fin)**

SECRETION

Morphology of prolactin producing adenomas. Kovacs K. **Clin Endocrinol (Oxf)** 6 Suppl:71S–79S, 1977
Ectopic production of ACTH by a primary adenocarcinoma of the colon. Stambaugh JE Jr, et al. **J Med Soc NJ** 75(13):925–6, Dec 78
Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)
[Paraneoplastic hypercalcemia] Elomaa I. **Duodecim** 94(22):1390–6, 1978 **(Fin)**
[The ectopic ACTH syndrome] Pelkonen R, et al. **Duodecim** 94(22):1377–84, 1978 **(Fin)**
[Ectopic ADH syndrome] Runeberg L, et al. **Duodecim** 94(22):1385–9, 1978 **(Fin)**
[Biological background of paraneoplastic phenomena] Saksela E. **Duodecim** 94(22):1374–6, 1978 **(Fin)**

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

The glucagonoma syndrome: surgically curable diabetes. Higgins GA, et al. **Am J Surg** 137(1):142–8, Jan 79
[The ectopic ACTH syndrome] Pelkonen R, et al. **Duodecim** 94(22):1377–84, 1978 **(Fin)**
[Ectopic ADH syndrome] Runeberg L, et al. **Duodecim** 94(22):1385–9, 1978 **(Fin)**
[Paraneoplastic syndromes in clinical practice] Runeberg L. **Duodecim** 94(22):1373–4, 1978 **(Fin)**

BLOOD

[Paraneoplastic hypercalcemia] Elomaa I. **Duodecim** 94(22):1390–6, 1978 **(Fin)**

CHEMICALLY INDUCED

Pituitary adenomas and oral contraceptives [letter] **Lancet** 2(8104–5):1384, 23–30 Dec 78

DIAGNOSIS

The glucagonoma syndrome: surgically curable diabetes. Higgins GA, et al. **Am J Surg** 137(1):142–8, Jan 79
[Paraneoplastic syndromes in clinical practice] Runeberg L. **Duodecim** 94(22):1373–4, 1978 **(Fin)**

ETIOLOGY

Endocrine pancreatic tumors. Larsson LI. **Hum Pathol** 9(4):401–16, Jul 78 (88 ref.)
[Paraneoplastic syndromes in bronchial carcinoma (author's transl)] Roelandts J, et al. **Acta Tuberc Pneumol Belg** 69(1):29–52, Jan–Mar 78 (124 ref.) (Eng. Abstr.) **(Dut)**

METABOLISM

[Biological background of paraneoplastic phenomena] Saksela E. **Duodecim** 94(22):1374–6, 1978 **(Fin)**
[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**

PATHOLOGY

Endocrine cells of the gastrointestinal tract: general aspects, ultrastructure and tumor pathology. Solcia E, et al. **Adv Exp Med Biol** 106:11–22, 1978
Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

SECRETION

Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

SURGERY

Endocrinology and the surgeon [editorial] Reeve TS. **Aust NZ J Surg** 48(3):235–6, Jun 78
Pathogenesis of prolactin-secreting pituitary adenomas. Sherman BM, et al. **Lancet** 2(8098):1019–21, 11 Nov 78

NERVE GROWTH FACTOR

ANALYSIS

Secretagogue-mediated discharge of nerve growth factor from granular tubules of male mouse submandibular glands: an immunocytochemical study. Simson JA, et al. **Anat Rec** 192(3):375–87, Nov 78
Chemical control of neuronal growth--the nerve growth factor. Yu MW, et al. **Essays Neurochem Neuropharmacol** 3:33–48, 1978 (127 ref.)
Assessment of nerve growth factor specific activity in tissue culture assay. England RJ. **Exp Cell Res** 117(2):445–8, Dec 78

ANTAGONISTS & INHIBITORS

Involvement of post-synaptic cytoskeleton in nerve growth factor-induce 'PI-effect'. Lakshmanan J. **FEBS Lett** 95(1):161–4, 1 Nov 78

METABOLISM

Chemical control of neuronal growth--the nerve growth factor. Yu MW, et al. **Essays Neurochem Neuropharmacol** 3:33–48, 1978 (127 ref.)
Thermodynamics of interaction of the subunits of 7 S nerve growth factor. The mechanism of activation of the esteropeptidase activity by chelators. Bothwell MA, et al. **J Biol Chem** 253(23):8458–64, 10 Dec 78
Nerve growth factor: a protease that can activate plasminogen. Orenstein NS, et al. **Proc Natl Acad Sci USA** 75(11):5497–500, Nov 78

PHARMACODYNAMICS

Effects of the nerve-growth factor (NGF) on certain non-neuronal elements. Radeva V. **Agressologie** 19(2):99–103, 1978
Effects of nerve growth factor on behavioral recovery following caudate nucleus lesions in rats. Hart T, et al. **Brain Res Bull** 3(3):245–50, May-Jun 78
NGF stimulates incorporation of fucose or glucosamine into an external glycoprotein in cultured rat PC12 pheochromocytoma cells. McGuire JC, et al. **Cell** 15(2):357–65, Oct 78
Assessment of nerve growth factor specific activity in tissue culture assay. England RJ. **Exp Cell Res** 117(2):445–8, Dec 78
Involvement of post-synaptic cytoskeleton in nerve growth factor-induce 'PI-effect'. Lakshmanan J. **FEBS Lett** 95(1):161–4, 1 Nov 78
Nerve growth factor-mediated induction of tyrosine hydroxylase in rat superior cervical ganglia in vitro. Max SR, et al. **J Biol Chem** 253(22):8013–5, 25 Nov 78

PHYSIOLOGY

Effects of the nerve-growth factor (NGF) on certain non-neuronal elements. Radeva V. **Agressologie** 19(2):99–103, 1978
Chemical control of neuronal growth--the nerve growth factor. Yu MW, et al. **Essays Neurochem Neuropharmacol** 3:33–48, 1978 (127 ref.)

SECRETION

Secretagogue-mediated discharge of nerve growth factor from granular tubules of male mouse submandibular glands: an immunocytochemical study. Simson JA, et al. **Anat Rec** 192(3):375–87, Nov 78

PROSTAGLANDINS

Chemical ionization mass spectrometry of trimethylsilyl derivatives of various prostaglandins. Ariga T, et al. **Anal Biochem** 90(1):174–82, 1 Oct 78

Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. **J Oral Pathol** 7(5):239–52, Oct 78 (0 ref.)

The reasons for starting a new journal on prostaglandins [editorial] Horrobin DF, et al. **Prostaglandins Med** 1(1):1–4, Jul 78

ADMINISTRATION & DOSAGE

[Factors of motoricity of the ductus arteriosus] Messer J, et al. **Pediatrie** 33(8):811–8, Dec 78 **(Fre)**

ANALYSIS

Gas chromatography of the prostaglandins. Fitzpatrick FA. **Adv Prostaglandin Thromboxane Res** 5:95–118, 1978

Radioimmunoassay of prostaglandins and thromboxanes. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:119–210, 1978

Quantitative measurement of prostaglandins and thromboxanes: general considerations. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:1–13, 1978

Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography--mass spectrometry. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:39–94, 1978

Bioassay of prostaglandins and biologically active substances derived from arachidonic acid. Moncada S, et al. **Adv Prostaglandin Thromboxane Res** 5:211–36, 1978

Mitogen–induced changes in lymphocyte prostaglandin levels: a signal for the induction of suppressor cell activity. Webb DR, et al. **Cell Immunol** 41(1):72–85, Nov 78

Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron–capture gas–liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78

BIOSYNTHESIS

On the mechanism of the anti–inflammatory action of the newly–synthesized benzoylpyrazolone derivatives. Vlaskovska MV. **Acta Physiol Pharmacol Bulg** 4(1):49–54, 1978

Drug effects on platelet aggregation and prostaglandin formation. Smith JB, et al. **Adv Exp Med Biol** 109:239–51, 1978 (50 ref.)

Screening for inhibitors of prostaglandin and thromboxane biosynthesis. Gryglewski RJ. **Adv Lipid Res** 16:327–44, 1978 (91 ref.)

Fatty acids and immunity. Meade CJ, et al. **Adv Lipid Res** 16:127–65, 1978 (166 ref.)

Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography--mass spectrometry. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:39–94, 1978

Prostacyclin and thromboxane A2 biosynthesis capacities of heart, arteries and platelets at various stages of experimental atherosclerosis in rabbits. Gryglewski RJ, et al. **Atherosclerosis** 31(4):385–94, Dec 78

Inhibition of prostacyclin (PGI2) formation in the rat small–intestine and gastric mucosa by the ulcerogen, indomethacin [proceedings] Whittle BJ. **Br J Pharmacol** 64(3):438P, Nov 78

Mitogen–induced changes in lymphocyte prostaglandin levels: a signal for the induction of suppressor cell activity. Webb DR, et al. **Cell Immunol** 41(1):72–85, Nov 78

Modulation by prostaglandin synthesis inhibitors of the action of exogenous angiotensin II on glomerular ultrafiltration in the rat. Baylis C, et al. **Circ Res** 43(6):889–98, Dec 78

Contribution of prostaglandins to muscle blood flow in anesthetized dogs at rest, during exercise, and following inflow occlusion. Beaty O 3d, et al. **Circ Res** 44(1):67–75, Jan 79

Prostaglandins: renin release and renal function. Horton R, et al. **Contrib Nephrol** 14:87–96, 1978

Prostaglandin–synthesizing system in rat liver. Morita I, et al. **Eur J Biochem** 90(3):441–9, 16 Oct 78

Radioimmunological determination of prostaglandin D2 synthesis in human thrombocytes. Anhut H, et al. **Experientia** 34(11):1494–6, 15 Nov 78

Prostacyclin, platelet aggregation, and thrombosis. pp. 239–58. Moncada S, et al. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (119 ref.)

Platelet morphology and the ultrastructure of regulatory mechanisms involved in platelet activation. pp. 17–34. White JG, et al. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (37 ref.)

Mechanism of enhanced renal prostaglandin biosynthesis in ureter obstruction. Role of de novo protein synthesis. Morrison AR, et al. **J Biol Chem** 253(22):8210–2, 25 Nov 78

Stimulation of endothelial cell prostacyclin production by thrombin, trypsin, and the ionophore A 23187. Weksler BB, et al. **J Clin Invest** 62(5):923–30, Nov 78

Role of prostaglandin synthesis in rabbit platelet activation induced by basophil–derived platelet–activating factor. Shaw JO, et al. **J Immunol** 121(5):1939–45, Nov 78

Effect of inhibitors of prostaglandin synthesis and prostaglandins E2 and F2alpha on the immunologic release of mediators of inflammation from actively sensitized guinea–pig lung. Hitchcock M. **J Pharmacol Exp Ther** 207(2):630–40, Nov 78

Pharmacological mechanisms of analgesic nephropathy. Shelley JH. **Kidney Int** 13(1):15–26, Jan 78 (159 ref.)

Human rectal mucosa generates prostacyclin [letter] Sinzinger H, et al. **Lancet** 2(8102):1253, 9 Dec 78

Lack of dependence of amine or prostaglandin biosynthesis on absolute cerebral level of pteridine cofactor. Sherman AD, et al. **Life Sci** 23(16):1675–9, 23 Oct 78

Effects of feeding ethyl–dihomo–gamma–linolenate on rabbit renomedullary lipid composition and prostaglandin production in vitro. Knapp HR, et al. **Lipids** 13(11):804–8, Nov 78

Platelet–endothelial prostaglandin biochemical imbalance in sudden infant death syndrome in the newborn: capillary endothelial cell deficiency and/or lag in maturation of prostacyclin synthetase. Hokama Y. **Med Hypotheses** 4(4):303–5, Jul–Aug 78

Retinoids as well as tumour promoters enhance deacylation of cellular lipids and prostaglandin production in MDCK cells. Levine L, et al. **Nature** 276(5685):274–5, 16 Nov 78

Prostacyclin and thromboxane generating systems in rabbits pretreated with aspirin. Basista M, et al. **Pharmacol Res Commun** 10(8):759–63, Sep 78

Antipyretic action of mepacrine without blockade of prostaglandin (PG) synthesis in the C.N.S. Spagnuolo C, et al. **Pharmacol Res Commun** 10(8):779–86, Sep 78

Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Clyman RI, et al. **Prostaglandins** 16(4):633–42, Oct 78

Increased production of PGI2–like activity by frozen–thawed rat aorta. Ts'ao CH, et al. **Prostaglandins** 16(4):503–12, Oct 78

A defect in thromboxane A2 synthesis may be a factor predisposing to cancer. Horrobin DF, et al. **Prostaglandins Med** 1(2):175–81, Aug 78

Oxygen requirement for prostaglandin biosynthesis. Lands WE, et al. **Prostaglandins Med** 1(2):117–20, Aug 78

Dietary fat type and ambient oxygen tension influence pulmonary prostaglandin synthetic potential. Meydani SN, et al. **Prostaglandins Med** 1(3):241–9, Sep 78

The role of iron in prostaglandin synthesis: ferrous iron mediated oxidation of arachidonic acid. Rao GH, et al. **Prostaglandins Med** 1(1):55–70, Jul 78

Oral contraceptive use alters the balance of platelet prostaglandin and thromboxane synthesis. Schorer AE, et al. **Prostaglandins Med** 1(1):5–11, Jul 78

The high yield of prostacyclin biosynthesis by the iris and its effects on the intraocular muscles. van Alphen GW, et al. **Prostaglandins Med** 1(2):151–7, Aug 78

Evidence for H2O2 mediating the irreversible action of acetylenic inhibitors of prostaglandin biosynthesis. Vanderhoek JY, et al. **Prostaglandins Med** 1(3):251–63, Sep 78

Effects of drugs on prostaglandin synthesis. Youlten LJ. **Rheumatol Rehabil** Suppl:47–52, 1978 (15 ref.)

The influence of age, sex, and the use of oral contraceptives on the inhibitory effects of endothelial cells and PGI2 (prostacyclin) on platelet function. Nordøy A, et al. **Scand J Haematol** 21(3):177–87, Sep 78

[Renal function in chronic hepatopathies] Gentilini P, et al. **Minerva Med** 69(47):3215–30, 6 Oct 78 (159 ref.) **(Ita)**

[A study on biosynthesis of prostaglandin–like substances through isolated perfused guinea–pig lung lobes (author's transl)] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 16(9):699–704, Sep 78 (Eng. Abstr.) **(Jpn)**

[Kinin and prostaglandin systems] Katori M. **Nippon Rinsho** 36(8):2905–11, Aug 78 (42 ref.) **(Jpn)**

[Role of prostaglandins in endotoxin–induced fever in rats]

APPENDIX

Splawiński JA. **Folia Med Cracov** 20(2):171–90, 1978 (Eng. Abstr.) **(Pol)**

[Possibilities of the use of some agents blocking ocular prostaglandin synthesis] Popescu MP. **Rev Chir [Oftalmol]** 22(3):213–4, Jul–Sep 78 **(Rum)**

[Kallikrein–kinin–prostaglandin system of the kidneys] Nekrasova AA. **Ter Arkh** 50(11):138–45, 1978 (17 ref.) **(Rus)**

BLOOD

Quantitative measurement of prostaglandins and thromboxanes: general considerations. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:1–13, 1978

Prostacyclin is produced in whole blood [proceedings] Blackwell GJ, et al. **Br J Pharmacol** 64(3):436P, Nov 78

Recirculation of prostacyclin (PGI2) in the dog. Dusting GJ, et al. **Br J Pharmacol** 64(2):315–20, Oct 78

The role of lipids in platelet function: with particular reference to the arachidonic acid pathway. Marcus AJ. **J Lipid Res** 19(7):793–826, Sep 78

Release of prostaglandin–like material by depressor stimulation in rabbits. Rengo F, et al. **J Pharm Pharmacol** 30(11):726–7, Nov 78

Selective elevation of circulating prostaglandin concentrations in hyaline membrane disease in pre–term infants. Mitchell MD, et al. **Prostaglandins Med** 1(3):207–12, Sep 78

A sensitive radioimmunoassay for 6–keto–prostaglandin F1alpha: preliminary observations on circulating concentrations. Mitchell MD. **Prostaglandins Med** 1(1):13–21, Jul 78

Oral contraceptive use alters the balance of platelet prostaglandin and thromboxane synthesis. Schorer AE, et al. **Prostaglandins Med** 1(1):5–11, Jul 78

Prostaglandins in blood of diabetic versus non–diabetic humans. Waitzman MB, et al. **Prostaglandins Med** 1(2):131–7, Aug 78

[Correlation between physical load, sympathicus activity and prostaglandins of groups A + E and F in healthy individuals (author's transl)] Ryšánek K, et al. **Cas Lek Cesk** 117(36):1113–7, 8 Sep 78 (Eng. Abstr.) **(Cze)**

[Concentration of depressor and pressor prostaglandins in the blood of patients with cerebral hypertensive crises] Suslina ZA. **Zh Nevropatol Psikhiatr** 78(11):1635–40, 1978 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Gas chromatography of the prostaglandins. Fitzpatrick FA. **Adv Prostaglandin Thromboxane Res** 5:95–118, 1978

Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography––mass spectrometry. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:39–94, 1978

Synthesis of prostaglandin H2 (PGH2) and prostacyclin (PGI2) analogs: tetrathia–PGH2 and PGI2–ketal methyl ester. Nicolaou KC, et al. **Prostaglandins Med** 1(1):96–7, Jul 78

CLASSIFICATION

[Role of prostaglandins in the physiopathology of the skin] Jach J. **Przegl Dermatol** 65(6):715–21, Nov–Dec 78 **(Pol)**

IMMUNOLOGY

Radioimmunoassay of prostaglandins and thromboxanes. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:119–210, 1978

[Role of prostaglandins in the physiopathology of the skin] Jach J. **Przegl Dermatol** 65(6):715–21, Nov–Dec 78 **(Pol)**

ISOLATION & PURIFICATION

Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:15–38, 1978

Bioassay of prostaglandins and biologically active substances derived from arachidonic acid. Moncada S, et al. **Adv Prostaglandin Thromboxane Res** 5:211–36, 1978

Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Gerrard JM, et al. **Prog Hemost Thromb** 4:87–125, 1978 (171 ref.)

Stability of authentic PGI2 during routine extraction. Clarification of the nature and sequence of products formed by the rat stomach including the origin of the ozonolysis products reported in 1971. Pace–Asciak CR, et al. **Prostaglandins** 16(3):397–140, Sep 78

METABOLISM

Biochemistry of prostaglandins. Flower RJ. **Biochem Soc Trans** 6(4):713–4, 1978

Metabolism of prostacyclin in rat. Sun FF, et al. **Biochemistry** 17(19):4096–101, 19 Sep 78

The release of prostaglandins and thromboxanes from guinea–pig lung by slow reacting substance of anaphylaxis, and its inhibition. Engineer DM, et al. **Br J Pharmacol** 64(2):211–8, Oct 78

The effects of different particulate stimuli on the extracellular release of prostaglandins and lysosomal enzymes from mouse peritoneal macrophages in vitro [proceedings] Skeldon N, et al. **Br J Pharmacol** 64(3):448P–449P, Nov 78

Interrelations of the renal kallikrein–kinin system and renal prostaglandins in the conscious rat. Influence of mineralocorticoids. Nasjletti A, et al. **Circ Res** 43(5):799–807, Nov 78

Pregnant mare's serum gonadotropin: V. Indomethacin or cortisone and the reversal of antifertility efficacy of pregnant mare's serum gonadotropin. Gupta T, et al. **Contraception** 17(6):547–52, Jun 78

Stimulation of arachidonic acid metabolism by human slow–reacting substances. Seale JP, et al. **Eur J Pharmacol** 52(1):125–8, 1 Nov 78

Prostacyclin–like activity of endothelium and subendothelium – important for atherosclerosis? Silberbauer K, et al. **Experientia** 34(11):1471–2, 15 Nov 78

The ubiquitous prostaglandins and their role in ulcerative colitis [editorial] Kimberg DV. **Gastroenterology** 75(4):748–50, Oct 78

Platelets and prostaglandins: the key role of platelet phospholipase A2 activity. pp. 213–25. Silver MJ, et al. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (35 ref.)

Lipid metabolism in cultured cells. Synthesis of vasoactive thromboxane A2 from [14C]arachidonic acid culture lung fibroblasts. Bryant RW, et al. **J Biol Chem** 253(22):8134–42, 25 Nov 78

Metabolism of prostacyclin in the rabbit kidney. Wong PY, et al. **J Biol Chem** 254(1):12–4, 10 Jan 79

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. **J Oral Pathol** 7(5):239–52, Oct 78 (0 ref.)

Release of prostaglandin–like material by depressor stimulation in rabbits. Rengo F, et al. **J Pharm Pharmacol** 30(11):726–7, Nov 78

The effects of arachidonic acid on erythropoietin production in exhypoxic polycythemic mice and the isolated perfused canine kidney. Foley JE, et al. **J Pharmacol Exp Ther** 207(2):402–9, Nov 78

Calcium and cancer. Mundy GR. **Life Sci** 23(17–18):1735–44, 30 Oct 78 (66 ref.)

Platelet–endothelial prostaglandin biochemical imbalance in sudden infant death syndrome in the newborn: capillary endothelial cell deficiency and/or lag in maturation of prostacyclin synthetase. Hokama Y. **Med Hypotheses** 4(4):303–5, Jul–Aug 78

Prostaglandins and thromboxanes [editorial] Boura A. **Med J Aust** 2(2):55–6, 15 Jul 78

Inhibition of renal prostaglandin synthesis and metabolism by indomethacin in rats. Roman RJ, et al. **Proc Soc Exp Biol Med** 159(2):165–70, Nov 78

Effects of cervical sympathetic ganglionectomy on cyclic–AMP and prostaglandins in brain and eye tissues and fluids. Waitzman MB. **Prostaglandins Med** 1(2):139–49, Aug 78

Prostaglandins and lymphokines in inflammation. Morley J. **Rheumatol Rehabil** Suppl:18–24, 1978 (41 ref.)

Humoral mediators of nontemperature–dependent hypermetabolism in 50% burned adult rats. Herndon DN, et al. **Surg Forum** 28:37–9, 1977

[Tissue hormones of the healthy and diseased kidney. The renin–angiotensin system, kallikrein–kinin system, prostaglandins] Haberland GL. **Med Welt** 29(47):1844–50, 24 Nov 78 **(Ger)**

[Some metabolic effects of bacterial endotoxins] Fumarola D. **Recenti Prog Med** 65(2):171–90, Aug 78 (145 ref.) (Eng. Abstr.) **(Ita)**

[Role of prostaglandins in endotoxin–induced fever in rats] Splawiński JA. **Folia Med Cracov** 20(2):171–90, 1978 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Hormonal control of myometrial function during pregnancy

and parturition. Fuchs AR.
Acta Endocrinol [Suppl] (Copenh) (221):1–70, 1978 (121 ref.)

Prostaglandins and divalent cation metabolism. Kirschenbaum MA, et al. **Adv Exp Med Biol** 103:283–97, 1978 (43 ref.)

Drug effects on platelet aggregation and prostaglandin formation. Smith JB, et al. **Adv Exp Med Biol** 109:239–51, 1978 (50 ref.)

Natural killer cells. In vitro and in vivo. Henney CS, et al. **Am J Pathol** 93(2):459–67, Nov 78

Interaction of prostaglandins with canine gastric mucosal adenylate cyclase–cyclic AMP system. Dozois RR, et al. **Am J Physiol** 235(5):E546–51, Nov 78

Stimulation of adenylate cyclase in isolated rat glomeruli by prostaglandins. Schlondorff D, et al. **Am J Physiol** 235(5):F458–64, Nov 78

Prostaglandin receptors on human platelets. Structure–activity relationships of stimulatory prostaglandins. MacIntyre DE, et al. **Biochem J** 174(3):921–9, 15 Sep 78

Histamine release from rat peritoneal mast cells by phospholipase A. The 'activation' of phospholipase A by phospholipids. Whelan CJ. **Biochem Pharmacol** 27(17):2115–8, 1978

Prostaglandin–mediated prejunctional regulation of adrenergic neurotransmission. Hedqvist PO. **Biochem Soc Trans** 6(4):714–7, 1978

The role of prostaglandins in pyrexia. Milton AS. **Biochem Soc Trans** 6(4):727–31, 1978

Conjugation of 15–keto–prostaglandins by glutathione S–transferases. Chaudhari A, et al. **Biochim Biophys Acta** 531(1):56–64, 25 Oct 78

Renal adenylate cyclase systems. Osswald H, et al. **Contrib Nephrol** 14:74–86, 1978

Vasodilation produced by prostacyclin (PGI2) and 9(O)–thiaprostacyclin (PGI2–S) in the canine femoral circulation. Horii D, et al. **Eur J Pharmacol** 51(3):313–6, 1 Oct 78

Effects of prostaglandin E2, prostaglandin I2 and 6–keto–prostaglandin F1 alpha on adrenergic neurotransmission in the pulmonary artery of the rabbit. Weitzell R, et al. **Eur J Pharmacol** 52(1):137–41, 1 Nov 78

Stimulation of cyclic adenosine 3':5'–monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle–stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

Effects of prostaglandins on intestinal smooth muscle of isolated colon and duodenum in guinea–pigs. Nakahata N, et al. **Fukushima J Med Sci** 24(1–2):55–62, 1977

Platelets, prostaglandins, and cyclic nucleotides. pp. 227–38. Salzman EW.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (52 ref.)

Prostaglandins, cyclic–AMP, U–tau 118 & acetic acid as insect growth regulators & sterilants. Datta S, et al. **Indian J Exp Biol** 16(8):880–3, Aug 78

Prostaglandins and slow–reacting substance. Parker CW. **J Allergy Clin Immunol** 63(1):1–14, Jan 79 (64 ref.)

Age–related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. Davis JR, et al. **J Reprod Fertil** 54(2):269–74, Nov 78

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

Prostacyclin can replace heparin in haemodialysis in dogs. Woods HF, et al. **Lancet** 2(8099):1075–7, 18 Nov 78

Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Fredholm BB. **Med Biol** 56(5):249–61, Oct 78 (111 ref.)

Prostaglandins and thromboxanes [editorial] Boura A. **Med J Aust** 2(2):55–6, 15 Jul 78

Circulatory and anti–platelet effects of intravenous prostacyclin in healthy men. Szczeklik A, et al. **Pharmacol Res Commun** 10(6):545–56, Jun 78

Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Gerrard JM, et al. **Prog Hemost Thromb** 4:87–125, 1978 (171 ref.)

Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78

Prostacyclin: a potent stimulator of adrenal steroidogenesis. Ellis EF, et al. **Prostaglandins** 16(4):483–90, Oct 78

The effect of PGI2 on canine renal function and hemodynamics. Gerber JG, et al. **Prostaglandins** 16(4):519–28, Oct 78

Effect of in vivo prostaglandin treatment on 3H–PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

Comparison of the effects of prostacyclin (PGI2), prostaglandin E1 and D2 on platelet aggregation in different species. Whittle BJ, et al. **Prostaglandins** 16(3):373–88, Sep 78

Role of prostaglandins in human fertility. Das UN, et al. **Prostaglandins Med** 1(4):319–21, Oct 78

Therapeutic abortion in late first trimester. Prostaglandin pretreatment compared with primary surgery. Jerve F, et al. **Prostaglandins Med** 1(4):33–7, Oct 78

Antihypertensive effect of prostacyclin (PGI2) in experimental hypertension and its influence on plasma renin activity in rats. Schölkens BA. **Prostaglandins Med** 1(5):359–72, Nov 78

Effects of prostaglandins on distribution of blood flow in the cat. Smith EF 3d, et al. **Prostaglandins Med** 1(5):411–8, Nov 78

Prostaglandin–mediated inhibition of noradrenaline release: V. A comparison of the neuroinhibitory effect of three prostaglandins: E2, I2, and 6–keto–PGF1alpha. Wennmalm A. **Prostaglandins Med** 1(1):49–54, Jul 78

Evaluation of drugs applicable to treatment of migraine in the cranial circulation of the monkey. Lance JW, et al. **Res Clin Stud Headache** 6:13–8, 1978

The influence of age, sex, and the use of oral contraceptives on the inhibitory effects of endothelial cells and PGI2 (prostacyclin) on platelet function. Nordøy A, et al. **Scand J Haematol** 21(3):177–87, Sep 78

Prostaglandin inhibition of testosterone production induced by luteinizing hormone, dibutyryl cyclic AMP or 3–isobutyl–1–methyl xanthine in dispersed rat testicular interstitial cells. Grotjan HE Jr, et al. **Steroids** 32(3):307–22, Oct 78

Pharmacology of antiarthritic drugs. Short CR, et al. **Vet Clin North Am** 8(3):401–17, Aug 78 (19 ref.)

[Prostacyclin—inhibitory effect on thrombocyte aggregation on the vascular wall in vivo?] Sinzinger H, et al. **Vasa** 7(4):350–9, 1978 (Eng. Abstr.) **(Ger)**

[Kinin and prostaglandin systems] Katori M. **Nippon Rinsho** 36(8):2905–11, Aug 78 (42 ref.) **(Jpn)**

[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**

[Effect of prostaglandins on embryonal myocardium] Mirzoian SA, et al. **Farmakol Toksikol** 41(6):683–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR.
Acta Endocrinol [Suppl] (Copenh) (221):1–70, 1978 (121 ref.)

Prostaglandins and divalent cation metabolism. Kirschenbaum MA, et al. **Adv Exp Med Biol** 103:283–97, 1978 (43 ref.)

Prostaglandins and gastrointestinal secretion and motility. Konturek SJ. **Adv Exp Med Biol** 106:297–307, 1978

Drug effects on platelet aggregation and prostaglandin formation. Smith JB, et al. **Adv Exp Med Biol** 109:239–51, 1978 (50 ref.)

Prostaglandins in the nervous system. Colloquium at the 575th meeting of the Biochemical Society at Glasgow, 12 and 13 April 1978. **Biochem Soc Trans** 6(4):713–31, 1978

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Prostaglandins and the contractile action of bradykinin on the longitudinal muscle of rat isolated ileum [proceedings] Crocker AD, et al. **Br J Pharmacol** 64(3):441P, Nov 78

Prostacyclin (PGI2): a potential mediator of inflammation [proceedings] Davidson EM, et al. **Br J Pharmacol** 64(3):437P, Nov 78

Prostaglandins are not essential in experimental fever of rats [proceedings] Frens J, et al. **Br J Pharmacol** 64(3):439P, Nov 78

Inflammatory reactions induced by ultraviolet irradiation. Greaves MW, et al. **Bull Cancer (Paris)** 65(3):299–303, 1978

Contribution of prostaglandins to muscle blood flow in anesthetized dogs at rest, during exercise, and following inflow occlusion. Beaty O 3d, et al. **Circ Res** 44(1):67–75, Jan 79

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

Physiology of renal water excretion. Anderson RJ, et al. **Contrib Nephrol** 14:50–63, 1978

Non–vasoactive renal hormones. Brod J. **Contrib Nephrol** 13:1–2, 1978

A concept for the control of kidney production of erythropoietin involving prostaglandins and cyclic nucleotides. Fisher JW, et al. **Contrib Nephrol** 13:37–59, 1978

Prostaglandins: renin release and renal function. Horton R, et al. **Contrib Nephrol** 14:87–96, 1978

The ubiquitous prostaglandins and their role in ulcerative colitis [editorial] Kimberg DV. **Gastroenterology** 75(4):748–50, Oct 78

Prostaglandins and slow–reacting substance. Parker CW

APPENDIX

J Allergy Clin Immunol 63(1):1–14, Jan 79 (64 ref.)
Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. **J Oral Pathol** 7(5):239–52, Oct 78 (0 ref.)
Theories regarding endocrine contributions to the onset of labor. Gay J. **JOGN Nurs** 7(5):42–7, Sep–Oct 78
Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Fredholm BB. **Med Biol** 56(5):249–61, Oct 78 (111 ref.)
The effects of indomethacin and meclofenamate on estrogen induced vasodilation in the rabbit uterus. Mueller D, et al. **Proc Soc Exp Biol Med** 159(1):25–9, Oct 78
Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Gerrard JM, et al. **Prog Hemost Thromb** 4:87–125, 1978 (171 ref.)
Role of prostaglandins and histamine in reactive hyperemia: in-vivo studies on single mesenteric arterioles. Altura BM. **Prostaglandins Med** 1(4):323–31, Oct 78
Role of prostaglandins in human fertility. Das UN, et al. **Prostaglandins Med** 1(4):319–21, Oct 78
Prostaglandin mediated relaxation of coronary artery strips under hypoxia. Kalsner S. **Prostaglandins Med** 1(3):231–9, Sep 78
Prostaglandins and lymphokines in inflammation. Morley J. **Rheumatol Rehabil** Suppl:18–24, 1978 (41 ref.)
Effects of drugs on prostaglandin synthesis. Youlten LJ. **Rheumatol Rehabil** Suppl:47–52, 1978 (15 ref.)
Prostaglandin inhibition by indomethacin: effect on the renal vascular response to hemorrhage in anesthetized dogs. Ferguson JC, et al. **Surg Forum** 28:10–11, 1977
Humoral mediators of nontemperature-dependent hypermetabolism in 50% burned adult rats. Herndon DN, et al. **Surg Forum** 28:37–9, 1977
[Factors of motoricity of the ductus arteriosus] Messer J, et al. **Pediatrie** 33(8):811–8, Dec 78 **(Fre)**
[Action mechanism of prostaglandins] Yamada S. **Kokubyo Gakkai Zasshi** 45(3):508–9, Sep 78 **(Jpn)**
[Kinin and prostaglandin systems] Katori M. **Nippon Rinsho** 36(8):2905–11, Aug 78 (42 ref.) **(Jpn)**
[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**
[Role of prostaglandins in endotoxin-induced fever in rats] Splawiński JA. **Folia Med Cracov** 20(2):171–90, 1978 (Eng. Abstr.) **(Pol)**
[Significance of arachidonic acid cascade in cardiology] Gryglewski R. **Kardiol Pol** 21(6):489–503, 1978 **(Pol)**
[Role of prostaglandins in the physiopathology of the skin] Jach J. **Przegl Dermatol** 65(6):715–21, Nov–Dec 78 **(Pol)**
[Kallikrein-kinin-prostaglandin system of the kidneys] Nekrasova AA. **Ter Arkh** 50(11):138–45, 1978 (17 ref.) **(Rus)**

SECRETION

[Renal cell carcinoma and prostaglandins] Berenguer A, et al. **Actas Urol Esp** 2(6):297–300, Nov–Dec 78 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Prenatal diagnosis of congenital nephrosis in 23 high-risk families. Aula P, et al. **Am J Dis Child** 132(10):984–7, Oct 78
Properties of cardioinhibitory factors produced in shock. Lefer AM. **Fed Proc** 37(13):2734–40, Nov 78 (76 ref.)
Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. **J Oral Pathol** 7(5):253–82, Oct 78 (612 ref.)
Prevention of aspecifically induced bronchoconstriction by PGI2 and 20-methyl-PGI2 in asthmatic patients. Bianco S, et al. **Pharmacol Res Commun** 10(7):657–74, Jul 78
[Factors of motoricity of the ductus arteriosus] Messer J, et al. **Pediatrie** 33(8):811–8, Dec 78 **(Fre)**
[Significance of arachidonic acid cascade in cardiology] Gryglewski R. **Kardiol Pol** 21(6):489–503, 1978 **(Pol)**

URINE

The effects of ureteral occlusion and renal venous constriction on kidney kallikrein-kinin and prostaglandin systems in dogs. Olsen UB. **Acta Physiol Scand** 104(4):443–52, Dec 78
Quantitative measurement of prostaglandins and thromboxanes: general considerations. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:1–13, 1978

PROSTAGLANDINS A

ADMINISTRATION & DOSAGE

Effects of prostaglandins and their methylated analogues upon human adenylate cyclase in the upper gastrointestinal tract. Simon B, et al. **Digestion** 17(6):547–53, 1978
Effect of prostaglandin A2 on RNA synthesis in embrionic mouse erythroid cells. Djaldetti M, et al. **Nephron** 21(6):345–9, 1978
Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78

ANALYSIS

New derivatives of prostaglandin A1 and specific detection of prostaglandin A's and 19Ohydroxylated prostaglandin A's in human semen. Roselló J, et al. **Biomed Mass Spectrom** 5(9):531–5, Sep 78
Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron-capture gas-liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78
[The problem of characterization of sterins in the gingiva by means of gas chromatography--mass spectrometry] Albers HK, et al. **Dtsch Zahnaerztl Z** 33(10):695–700, Oct 78 (Eng. Abstr.) **(Ger)**

BLOOD

[Correlation between physical load, sympathicus activity and prostaglandins of groups A + E and F in healthy individuals (author's transl)] Ryšánek K, et al. **Cas Lek Cesk** 117(36):1113–7, 8 Sep 78 (Eng. Abstr.) **(Cze)**
[Concentration of depressor and pressor prostaglandins in the blood of patients with cerebral hypertensive crises] Suslina ZA. **Zh Nevropatol Psikhiatr** 78(11):1635–40, 1978 (Eng. Abstr.) **(Rus)**

METABOLISM

Conjugation of 15-keto-prostaglandins by glutathione S-transferases. Chaudhari A, et al. **Biochim Biophys Acta** 531(1):56–64, 25 Oct 78

PHARMACODYNAMICS

Interaction of prostaglandins with canine gastric mucosal adenylate cyclase-cyclic AMP system. Dozois RR, et al. **Am J Physiol** 235(5):E546–51, Nov 78
Effects of prostaglandins and their methylated analogues upon human adenylate cyclase in the upper gastrointestinal tract. Simon B, et al. **Digestion** 17(6):547–53, 1978
Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78
Age-related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. Davis JR, et al. **J Reprod Fertil** 54(2):269–74, Nov 78
Effect of prostaglandin A2 on RNA synthesis in embrionic mouse erythroid cells. Djaldetti M, et al. **Nephron** 21(6):345–9, 1978
Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78
[Effect of prostaglandins on embryonal myocardium] Mirzoian SA, et al. **Farmakol Toksikol** 41(6):683–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Kallikrein-kinin-prostaglandin system of the kidneys] Nekrasova AA. **Ter Arkh** 50(11):138–45, 1978 (17 ref.) **(Rus)**

PROSTAGLANDINS B

ANALYSIS

Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron-capture gas-liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78
[The problem of characterization of sterins in the gingiva by means of gas chromatography--mass spectrometry] Albers

HK, et al. **Dtsch Zahnaerztl Z** 33(10):695–700, Oct 78 (Eng. Abstr.) **(Ger)**

BLOOD

Corticosteroid-induced avascular necrosis: an experimental study in rabbits. Gold EW, et al. **Clin Orthop** (135):272–80, Sep 78

Release of prostaglandin-like material by depressor stimulation in rabbits. Rengo F, et al. **J Pharm Pharmacol** 30(11):726–7, Nov 78

PROSTAGLANDINS D

BIOSYNTHESIS

Radioimmunological determination of prostaglandin D2 synthesis in human thrombocytes. Anhut H, et al. **Experientia** 34(11):1494–6, 15 Nov 78

PHARMACODYNAMICS

Platelets, prostaglandins, and cyclic nucleotides. pp. 227–38. Salzman EW.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (52 ref.)

Comparison of the effects of prostacyclin (PGI2), prostaglandin E1 and D2 on platelet aggregation in different species. Whittle BJ, et al. **Prostaglandins** 16(3):373–88, Sep 78

Characterization of controlled release of prostaglandin from polymer matrices for thrombus prevention. McRea JC, et al. **Trans Am Soc Artif Intern Organs** 24:746–52, 1978

PROSTAGLANDINS E

Microcalorimetric investigations of pharmaceutical complexes. I. Drugs and beta-cyclodextrin. Hardee GE, et al. **Acta Pharm Suec** 15(3):188–99, 1978

Phase solubility analysis and PMR study of complexing behavior of dinoprostone with beta-cyclodextrin in water. Frank SG, et al. **J Pharm Sci** 67(12):1665–8, Dec 78

Stability of E-type prostaglandins in triacetin. Yalkowsky SH, et al. **J Pharm Sci** 68(1):114–5, Jan 79

ADMINISTRATION & DOSAGE

Healing of ischaemic ulcers by intravenous prostaglandin E1 in a woman with thrombangitis obliterans. Olsson AG, et al. **Acta Derm Venereol (Stockh)** 58(5):467–72, 1978

Ripening of the uterine cervix and induction of labour at term with prostaglandin E2 in viscous gel. Wingerup L, et al. **Acta Obstet Gynecol Scand** 57(5):403–6, 1978

Effects on fluid balance induced by non-febrile intracerebroventricular infusions of PGE2, PGF2alpha, and arachidonic acid in the goat. Leksell LG. **Acta Physiol Scand** 104(2):225–31, Oct 78

Induction of labor with oral prostaglandin E2 in normal and high-risk pregnancies. Nelson GH, et al. **Am J Obstet Gynecol** 132(6):642–8, 15 Nov 78

Dilatation of the ductus arteriosus by prostaglandin E1 in aortic arch abnormalities. Heymann MA, et al. **Circulation** 59(1):169–73, Jan 79

Effects of prostaglandins and their methylated analogues upon human adenylate cyclase in the upper gastrointestinal tract. Simon B, et al. **Digestion** 17(6):547–53, 1978

Effects of prostaglandin E2 applied locally on intravesical and intraurethral pressures in women. Andersson KE, et al. **Eur Urol** 4(5):366–9, 1978

Topical aspirin plus HCl gastric lesions in the rat. Cytoprotective effect of prostaglandin, cimetidine, and probanthine. Guth PH, et al. **Gastroenterology** 76(1):88–93, Jan 79

The oxytocic effect of centrally injected prostaglandins E2 and F2alpha. Fujimoto S, et al. **Jpn J Pharmacol** 28(5):791–3, Oct 78

Mucosal cytoprotection by prostaglandin E2 [letter] Cohen MM. **Lancet** 2(8102):1253–4, 9 Dec 78

Ripening the unfavourable cervix [letter] Thiery M, et al. **Lancet** 2(8104–5):1378, 23–30 Dec 78

Influence of polyphloretin phosphate (PPP) on rat-paw oedema induced by prostaglandin E1 (PGE1). Blazsó G, et al. **Prostaglandins** 16(4):513–8, Oct 78

Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78

The effects of prostaglandins E2 and F2alpha on synaptosomal accumulation and release of 3H-norepinephrine. Wendel OT, et al. **Prostaglandins** 16(3):441–9, Sep 78

[Kinin as a pain producing substance] Fujimura H. **Nippon Rinsho** 36(8):2894–8, Aug 78 (18 ref.) **(Jpn)**

ADVERSE EFFECTS

Induction of labor with oral prostaglandin E2 in normal and high-risk pregnancies. Nelson GH, et al. **Am J Obstet Gynecol** 132(6):642–8, 15 Nov 78

PDAs, prostaglandins, and RLF [letter] Schrager GO. **Pediatrics** 62(5):860–1, Nov 78

ANALYSIS

Prostaglandin-like substances in Propionibacterium acnes. Abrahamsson S, et al. **Experientia** 34(11):1446–7, 15 Nov 78

Phase solubility analysis and PMR study of complexing behavior of dinoprostone with beta-cyclodextrin in water. Frank SG, et al. **J Pharm Sci** 67(12):1665–8, Dec 78

Stability of E-type prostaglandins in triacetin. Yalkowsky SH, et al. **J Pharm Sci** 68(1):114–5, Jan 79

Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron-capture gas-liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78

[The problem of characterization of sterins in the gingiva by means of gas chromatography—mass spectrometry] Albers HK, et al. **Dtsch Zahnaerztl Z** 33(10):695–700, Oct 78 (Eng. Abstr.) **(Ger)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Reversal by methysergide of inhibition of insulin secretion by prostaglandin E in the dog. Robertson RP, et al. **J Clin Invest** 62(5):1014–9, Nov 78

Synthesis and prostaglandin-like activity of 2-(trans-3-hydroxy-1-octenyl)-3-indoleheptanoic acid. Barco A, et al. **J Med Chem** 21(9):988–90, Sep 78

Basal and stimulated rates of renal secretion and excretion of prostaglandings E2, Falpha, and 13, 14-dihydro-15-keto Falpha in the dog. Dunn MJ, et al. **Kidney Int** 13(2):36–43, Feb 78

[Effect of synthetic somatostatin on basal and stimulated growth hormone and prolactin secretion in vitro] Utesheva ZF, et al. **Probl Endokrinol (Mosk)** 24(6):48–50, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Inhibition of prostaglandin synthesis in rat brain. Abdel-Halim MS, et al. **Acta Pharmacol Toxicol (Copenh)** 43(4):266–72, Oct 78

Inflammatory reactions induced by ultraviolet irradiation. Greaves MW, et al. **Bull Cancer (Paris)** 65(3):299–303, 1978

Prostaglandin synthesis in spleen cell cultures of mice injected with Corynebacterium parvum. Grimm W, et al. **Cell Immunol** 40(2):419–26, Oct 78

Depressive effect of thyrotropin in the physiological dose range on prostaglandin E2 synthesis and accumulation in cultured hog thyroid cells. Margotat A, et al. **FEBS Lett** 95(2):347–51, 15 Nov 78

The ubiquitous prostaglandins and their role in ulcerative colitis [editorial] Kimberg DV. **Gastroenterology** 75(4):748–50, Oct 78

Role of prostaglandins in ulcerative colitis. Enhanced production during active disease and inhibition by sulfasalazine. Sharon P, et al. **Gastroenterology** 75(4):638–40, Oct 78

Mechanism of enhanced renal prostaglandin biosynthesis in ureter obstruction. Role of de novo protein synthesis. Morrison AR, et al. **J Biol Chem** 253(22):8210–2, 25 Nov 78

Specific change in the direction of prostaglandin synthesis by intra-uterine tissues of the rhesus monkey (Macaca mulatta) during late pregnancy. Mitchell MD, et al. **J Endocrinol** 78(3):343–50, Sep 78

Macrophage sensitivity to endotoxin: genetic control by a single codominant gene. Rosenstreich DL, et al. **J Immunol** 121(5):1664–70, Nov 78

Role of prostaglandin synthesis in rabbit platelet activation induced by basophil-derived platelet-activating factor. Shaw JO, et al. **J Immunol** 121(5):1939–45, Nov 78

Renal biosynthesis of prostaglandin E2 and F2alpha:

APPENDIX

dependence on extracellular potassium. Düsing R, et al. **J Lab Clin Med** 92(5):669–77, Nov 78

The importance of prostaglandin synthesis for the initiation of blastocyst implantation in the hamster. Evans CA, et al. **J Reprod Fertil** 54(2):255–61, Nov 78

Administration of extra-amniotic arachidonic acid and the suppression of uterine prostaglandin synthesis during pregnancy in the rhesus monkey. Robinson JS, et al. **J Reprod Fertil** 54(2):369–73, Nov 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

Inhibition of renal prostaglandin synthesis and metabolism by indomethacin in rats. Roman RJ, et al. **Proc Soc Exp Biol Med** 159(2):165–70, Nov 78

Differences in prostaglandin formation between thymocyte subpopulations. Bauminger S. **Prostaglandins** 16(3):351–5, Sep 78

Urinary prostaglandin E excretion: effect of chronic alterations in sodium intake and inhibition of prostaglandin synthesis in the rabbit. Lifschitz MD, et al. **Prostaglandins** 16(4):607–19, Oct 78

Effects of arginine vasotocin and prostaglandin E1 on the hen uterus. Rząsa J. **Prostaglandins** 16(3):357–72, Sep 78

Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Triebwasser WF, et al. **Prostaglandins** 16(4):621–32, Oct 78

Prostaglandins as regulators in cellular immunity. Bray MA, et al. **Prostaglandins Med** 1(3):183–99, Sep 78

Prostaglandin E production by cultured inflamed rat synovium; stimulation by colchicine and inhibition by chloroquine. Floman Y. **Prostaglandins Med** 1(1):39–48, Jul 78

Dietary fat type and ambient oxygen tension influence pulmonary prostaglandin synthetic potential. Meydani SN, et al. **Prostaglandins Med** 1(3):241–9, Sep 78

Impaired renal prostaglandin E2 biosynthesis in human hypertensive states. Tan SY, et al. **Prostaglandins Med** 1(1):76–85, Jul 78

BLOOD

Prostaglandins and serotonin in diarrheogenic syndromes. Jaffe BM. **Adv Exp Med Biol** 106:285–95, 1978

A study of three vasodilating agents as selective inhibitors of thromboxane A2 biosynthesis. Greenwald JE, et al. **Biochem Biophys Res Commun** 84(4):1112–8, 30 Oct 78

Release of prostaglandin-like material by depressor stimulation in rabbits. Rengo F, et al. **J Pharm Pharmacol** 30(11):726–7, Nov 78

Uterine blood flow and prostaglandin levels in ovariectomized rabbits. Antonini R, et al. **J Reprod Fertil** 54(2):349–56, Nov 78

The effect of passive immunization against oestrogens on the onset of parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(2):363–7, Nov 78

Administration of extra-amniotic arachidonic acid and the suppression of uterine prostaglandin synthesis during pregnancy in the rhesus monkey. Robinson JS, et al. **J Reprod Fertil** 54(2):369–73, Nov 78

Prostaglandins in patients ductus arteriosus [letter] Lucas A, et al. **Lancet** 2(8096):937–8, 28 Oct 78

Prostanoids in blood for neonatal transfusion [letter] Mitchell MD, et al. **Lancet** 2(8104–5):1382–3, 23–30 Dec 78

Selective elevation of circulating prostaglandin concentrations in hyaline membrane disease in pre-term infants. Mitchell MD, et al. **Prostaglandins Med** 1(3):207–12, Sep 78

Prostaglandins in blood of diabetic versus non-diabetic humans. Waitzman MB, et al. **Prostaglandins Med** 1(2):131–7, Aug 78

[Correlation between physical load, sympathicus activity and prostaglandins of groups A + E and F in healthy individuals (author's transl)] Ryšánek K, et al. **Cas Lek Cesk** 117(36):1113–7, 8 Sep 78 (Eng. Abstr.) **(Cze)**

[Concentration of depressor and pressor prostaglandins in the blood of patients with cerebral hypertensive crises] Suslina ZA. **Zh Nevropatol Psikhiatr** 78(11):1635–40, 1978 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Prostaglandins in hyporeninaemic hypoaldosteronism [letter] Hahn JA, et al. **Lancet** 2(8104–5):1379, 23–30 Dec 78

DIAGNOSTIC USE

Effects of prostaglandin E1 and prostaglandin F2alpha on insulin and glucagon plasma levels during the intravenous glucose tolerance test in man. Giugliano D, et al. **Diabete Metab** 4(3):187–91, Sep 78

IMMUNOLOGY

The effect of passive immunization against oestrogens on the onset of parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(2):363–7, Nov 78

METABOLISM

Effect of lowering of the temperature on the tissue levels of cAMP, cGMP, PGE and PGF2 alpha in spontaneously beating rat atria preparation. Parantainen J, et al. **Acta Physiol Scand** 104(2):213–6, Oct 78

Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Betteridge A, et al. **Biochem J** 176(1):319–23, 15 Oct 78

Cycloheximide blockage of estradiol-17beta-induced contractions in ovariectomized ewes. Rexroad CE Jr. **Biol Reprod** 19(3):648–52, Oct 78

Clinically-used dyes are inhibitors of prostaglandin E2 inactivation in rat isolated lung [proceedings] Bakhle YS. **Br J Pharmacol** 64(3):386P, Nov 78

Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Seböková E, et al. **Endocrinol Exp (Bratisl)** 12(3):147–56, Sep 78

Solubilized prostaglandin binding components. Ayad SR, et al. **FEBS Lett** 95(1):165–8, 1 Nov 78

Depressive effect of thyrotropin in the physiological dose range on prostaglandin E2 synthesis and accumulation in cultured hog thyroid cells. Margotat A, et al. **FEBS Lett** 95(2):347–51, 15 Nov 78

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

Mechanism of sulphasalazine action in ulcerative colitis [letter] Rachmilewitz D, et al. **Lancet** 2(8096):946, 28 Oct 78

PGE-release, blood flow and transmucosal water movement after mechanical stimulation of the rat jejunal mucosa. Beubler E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 305(1):91–5, Oct 78

The membrane sodium pump and prostaglandin release in taenia coli. Coburn RF. **Nippon Heikatsukin Gakkai Zasshi** 14 Suppl:3–4, Feb 78

The effect of prostaglandins F2alpha and E2 on rat brain N-acetyl-beta-D-glucosaminidase in vitro. Orlacchio A, et al. **Pharmacol Res Commun** 10(9):839–50, Oct 78

Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Moore PK, et al. **Prostaglandins** 16(3):335–49, Sep 78

Possible interconversion of PGE2 and PGE2alpha by pig follicles superfused in vitro. Dodson KS, et al. **Prostaglandins Med** 1(4):293–4, Oct 78

Effects of cervical sympathetic ganglionectomy on cyclic-AMP and prostaglandins in brain and eye tissues and fluids. Waitzman MB. **Prostaglandins Med** 1(2):139–49, Aug 78

16.16-Dimethyl prostaglandin E2 is not a barrier breaker. Bolton JP, et al. **Surg Forum** 28:363–6, 1977

PHARMACODYNAMICS

Effects of prostaglandins on the smooth muscle of the urinary tract. Andersson KE, et al. **Acta Pharmacol Toxicol (Copenh)** 43(2):90–5, 1978 (22 ref.)

Effects of acetylcholine, noradrenaline, and prostaglandins on the isolated, perfused human fetal urethra. Andersson KE, et al. **Acta Physiol Scand** 104(4):394–401, Dec 78

Effects on fluid balance induced by non-febrile intracerebroventricular infusions of PGE2, PGF2alpha, and arachidonic acid in the goat. Leksell LG. **Acta Physiol Scand** 104(2):225–31, Oct 78

Effect of prostaglandin E2 on the permeability of the iris vessels to horseradish peroxidase in the rabbit. Pintér E, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 207(3):221–8, 16 Aug 78

Inhibition by propranolol of bile acid- and PGE1-stimulated camp and intestinal secretion. Taub M, et al. **Am J Gastroenterol** 70(2):129–35, Aug 78

Interaction of prostaglandins with canine gastric mucosal adenylate cyclase-cyclic AMP system. Dozois RR, et al. **Am J Physiol** 235(5):E546–51, Nov 78

Stimulation of adenylate cyclase in isolated rat glomeruli by prostaglandins. Schlondorff D, et al. **Am J Physiol** 235(5):F458–64, Nov 78

Cyclic 3',5'-adenosine monophosphate in the choroid plexus: stimulation by cholera toxin. Cramer H, et al. **Biochem Biophys Res Commun** 84(4):1031–7, 30 Oct 78

Indomethacin inhibition of cell proliferation induced by the phorbolester TPA is reversed by prostaglandin E2 in mouse epidermis in vivo. Fürstenberger G, et al. **Biochem Biophys Res Commun** 84(4):1103–11, 30 Oct 78

Inhibition of adenylate cyclase by adenosine analogues in preparations of broken and intact human platelets. Evidence for the unidirectional control of platelet function by cyclic AMP. Haslam RJ, et al. **Biochem J** 176(1):83–95, 15 Oct 78

A simple assay for adenylate cyclase in intact cells by affinity elution chromatography. Sinha AK, et al. **Biochem J** 174(3):699–702, 15 Sep 78

Prostaglandins and opioids. Collier HO. **Biochem Soc Trans** 6(4):722–6, 1978 (55 ref.)

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues. Amsterdam A, et al. **Biochim Biophys Acta** 544(2):273–83, 1 Dec 78

Fatty acyl-CoA inhibition of beta-hydroxy-beta-methylglutaryl-CoA reductase activity. Faas FH, et al. **Biochim Biophys Acta** 531(2):158–66, 22 Nov 78

Factors regulating the induction of ornithine decarboxylase in fetal rat liver cells in culture. Rupniak HT, et al. **Biochim Biophys Acta** 543(1):10–5, 21 Sep 78

Influence of hydrocortisone on the modulation of the inflammatory response. Tolone G, et al. **Br J Exp Pathol** 59(4):366–72, Aug 78

Different requirements for intrinsic factor-Xa forming activity and platelet factor 3 activity and their relationship to platelet aggregation and secretion. Walsh PN, et al. **Br J Haematol** 40(2):311–31, Oct 78

Differential inhibition by PGE1, PGE2 and endoperoxide analogue U46619 of secretion from the rat isolated gastric mucosa stimulated by histamine, pentagastrin and methacholine [proceedings] Main IH, et al. **Br J Pharmacol** 64(3):423P–424P, Nov 78

Serum thyroxin levels during hyperthermia evoked in the monkey by intrahypothalamic injection of PGE1, 5-HT or pyrogen. Simpson CW, et al. **Brain Res Bull** 3(3):275–8, May-Jun 78

Effects of indomethacin on cardiovascular hemodynamics of goats in hemorrhagic shock. Leffler CW, et al. **Circ Shock** 5(3):299–310, 1978

Pharmacological stimulation of marrow function. Adamson JW. **Clin Haematol** 7(3):555–69, Oct 78 (71 ref.)

Prostaglandin E1 treatment of NZB/W mice. III. Preservation of spleen cell concentrations and mitogen-induced proliferative responses. Krakauer KA, et al. **Clin Immunol Immunopathol** 11(3):256–66, Nov 78

A concept for the control of kidney production of erythropoietin involving prostaglandins and cyclic nucleotides. Fisher JW, et al. **Contrib Nephrol** 13:37–59, 1978

Effects of prostaglandins and their methylated analogues upon human adenylate cyclase in the upper gastrointestinal tract. Simon B, et al. **Digestion** 17(6):547–53, 1978

Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Sebóková E, et al. **Endocrinol Exp (Bratisl)** 12(3):147–56, Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Takasu N, et al. **Eur J Biochem** 90(1):131–8, 15 Sep 78

Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Takasu N, et al. **Eur J Biochem** 90(1):139–46, 15 Sep 78

Effects of prostaglandins on rat cardiac adenylate cyclase. Kangasaho M, et al. **Eur J Pharmacol** 52(1):93–8, 1 Nov 78

Effects of prostaglandin E2, prostaglandin I2 and 6-keto-prostaglandin F1 alpha on adrenergic neurotransmission in the pulmonary artery of the rabbit. Weitzell R, et al. **Eur J Pharmacol** 52(1):137–41, 1 Nov 78

Modulation of the prostaglandin-induced intestinal motility in humans through the transmitters of the vegetative nervous system. Schmidt E, et al. **Eur Surg Res** 10(5):329–35, 1978

Effects of prostaglandin E2 applied locally on intravesical and intraurethral pressures in women. Andersson KE, et al. **Eur Urol** 4(5):366–9, 1978

The effect of prostaglandins F2alpha and E2 on pregnancy in mice during implantation. Bronson R, et al. **Fertil Steril** 30(3):354–61, Sep 78

Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

Differentiated contractile effects of prostaglandins E and F on the isolated circular and longitudinal smooth muscle of the human oviduct. Lindblom B, et al. **Fertil Steril** 30(5):553–9, Nov 78

Effects of prostaglandins on intestinal smooth muscle of isolated colon and duodenum in guinea-pigs. Nakahata N, et al. **Fukushima J Med Sci** 24(1-2):55–62, 1977

Reversal of cyclic AMP-mediated intestinal secretion in mice by chlorpromazine. Holmgren J, et al. **Gastroenterology** 75(6):1103–8, Dec 78

Cytoprotective effect of prostaglandins [letter] Simon B, et al. **Gastroenterology** 75(6):1191, Dec 78

Platelets, prostaglandins, and cyclic nucleotides. pp. 227–38. Salzman EW. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (52 ref.)

Role of vasoactive agents and hypertension in accelerated atherogenesis. pp. 288–300. Robertson AL. **In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.**

Studies on lipopolysaccharide & prostaglandin E1-induced hyperthermia on rabbits: Part II--Biochemical changes in kidney. Selvam R, et al. **Indian J Biochem Biophys** 15(2):115–21, Apr 78

The effect of neurotransmitters, bradikynin, prostaglandins, and follicular fluid on spontaneous contractile characteristics of human fimbriae and tubo-ovarian ligaments isolated during different stages of the sexual cycle. Sterin-Speziale N, et al. **Int J Fertil** 23(1):1–11, 1978

Prostaglandins in lymphocyte transformation. Das UN, et al. **J Assoc Physicians India** 26(6):503–6, Jun 78

Evidence in intact cells for an involvement of GTP in the activation of adenylate cyclase. Johnson GS, et al. **J Biol Chem** 254(1):95–100, 10 Jan 79

Reversal by methysergide of inhibition of insulin secretion by prostaglandin E in the dog. Robertson RP, et al. **J Clin Invest** 62(5):1014–9, Nov 78

Growth arrest of Chinese hamster ovary cells in serum-free medium: changes in cell morphology and the intracellular and prostaglandin-induced levels of cyclic AMP. O'Neill JP, et al. **J Cyclic Nucleotide Res** 4(3):169–74, Jun 78

Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans. Saez JM, et al. **J Cyclic Nucleotide Res** 4(4):311–21, Aug 78

Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side-chain cleavage enzyme. Takatori T, et al. **J Endocrinol** 79(1):41–8, Oct 78

Synthesis and prostaglandin-like activity of 2-(trans-3-hydroxy-1-octenyl)-3-indoleheptanoic acid. Barco A, et al. **J Med Chem** 21(9):988–90, Sep 78

11,12-Secoprostaglandins. 5. 8-Acetyl- or 8-(1-hydroxyethyl)-12-hydroxy-13-aryloxytridecanoic acids and sulfonamide isosteres as inhibitors of platelet aggregation. Bicking JB, et al. **J Med Chem** 21(10):1011–8, Oct 78

Effect of inhibitors of prostaglandin synthesis and prostaglandins E2 and F2alpha on the immunologic release of mediators of inflammation from actively sensitized guinea-pig lung. Hitchcock M. **J Pharmacol Exp Ther** 207(2):630–40, Nov 78

Modification of pulmonary vascular responses to arachidonic acid by alterations in physiologic state. Hyman AL, et al. **J Pharmacol Exp Ther** 207(2):388–401, Nov 78

Age-related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. Davis JR, et al. **J Reprod Fertil** 54(2):269–74, Nov 78

Administration of extra-amniotic arachidonic acid and the suppression of uterine prostaglandin synthesis during pregnancy in the rhesus monkey. Robinson JS, et al. **J Reprod Fertil** 54(2):369–73, Nov 78

Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. Lieberman ME, et al. **J Steroid Biochem** 6(10):1445–9, Oct 75

Effects of prostaglandin E1 on platelet loss during in vivo and in vitro extracorporeal circulation with a bubble oxygenator. Addonizio VP Jr, et al. **J Thorac Cardiovasc Surg** 77(1):119–26, Jan 79

The oxytocic effect of centrally injected prostaglandins E2 and F2alpha. Fujimoto S, et al. **Jpn J Pharmacol** 28(5):791–3, Oct 78

Morphology and cyclic AMP metabolism of normal and spontaneously transformed rabbit transitional epithelium in vitro. Chlapowski FJ. **Life Sci** 23(13):1325–36, 2 Oct 78

Reduced PGE1 stimulated 3H-cAMP accumulation in

platelets from schizophrenics. Rotrosen J, et al. **Life Sci** 23(20):1989–96, 13 Nov 78

Effect of prostaglandin E2 on two different preparations of cyclic 3',5'-nucleotide phosphodiesterase. Egg D, et al. **Pharmacol Res Commun** 10(7):609–17, Jul 78

Prostaglandin E1 increases basal glucagon in man. Giugliano D, et al. **Pharmacol Res Commun** 10(9):813–21, Oct 78

Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Clyman RI, et al. **Prostaglandins** 16(4):633–42, Oct 78

Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78

Prostacyclin: a potent stimulator of adrenal steroidogenesis. Ellis EF, et al. **Prostaglandins** 16(4):483–90, Oct 78

Stimulatory effect of prostaglandins on the production of hexosamine-containing substances by cultured fibroblasts (4) adenosine 3':5'-cyclic monophosphate independent stimulation by prostaglandin F2alpha. Murota S, et al. **Prostaglandins** 16(3):389–96, Sep 78

Effects of arginine vasotocin and prostaglandin E1 on the hen uterus. Rząsa J. **Prostaglandins** 16(3):357–72, Sep 78

The effects of prostaglandins E2 and F2alpha on synaptosomal accumulation and release of 3H-norepinephrine. Wendel OT, et al. **Prostaglandins** 16(3):441–9, Sep 78

Comparison of the effects of prostacyclin (PGI2), prostaglandin E1 and D2 on platelet aggregation in different species. Whittle BJ, et al. **Prostaglandins** 16(3):373–88, Sep 78

Prostaglandin E1-induced potentiation of the anticonvulsant action of phenobarbitone in the rat. Role of brain monoamines. Bhattacharya SK, et al. **Prostaglandins Med** 1(2):159–64, Aug 78

Prostaglandins as regulators in cellular immunity. Bray MA, et al. **Prostaglandins Med** 1(3):183–99, Sep 78

Inhibition of caerulein and physalaemin-induced contractions of guinea-pig isolated ileum by non-steroidal antiinflammatory drugs and various steroids and their reversal by prostaglandin E1. Fontaine J, et al. **Prostaglandins Med** 1(5):351–7, Nov 78

Prostaglandin E1 inhibits glucose-induced insulin secretion in man. Giugliano D, et al. **Prostaglandins Med** 1(2):165–6, Aug 78

Stimulation of gastric-glucagon release by prostaglandin E1. Lefèbvre PJ, et al. **Prostaglandins Med** 1(5):419–20, Nov 78

Effects of prostaglandins on distribution of blood flow in the cat. Smith EF 3d, et al. **Prostaglandins Med** 1(5):411–8, Nov 78

Bradykinin and prostaglandin E1, E2 and F2alpha-induced macromolecular leakage in the hamster cheek pouch. Svensjö E. **Prostaglandins Med** 1(5):397–410, Nov 78

Prostaglandin-mediated inhibition of noradrenaline release: V. A comparison of the neuroinhibitory effect of three prostaglandins: E2, I2, and 6-keto-PGF1alpha. Wennmalm A. **Prostaglandins Med** 1(1):49–54, Jul 78

Effect of arachidonic acid (ARA), prostaglandins E2 (PGE2), and F2alpha (PGF2alpha) on sensitized spleen cells in the hemolytic plaque assay. Masaki DI, et al. **Res Commun Chem Pathol Pharmacol** 22(1):205–8, Oct 78

Platelet and fibrin(ogen) deposition in the artificial kidney. The influence of haematocrit, fibrin monomer and platelet inhibitors. An in vitro study. Bjørnson J, et al. **Scand J Urol Nephrol** 12(3):259–64, 1978

16,16-Dimethyl prostaglandin E2 is not a barrier breaker. Bolton JP, et al. **Surg Forum** 28:363–6, 1977

The effect of small organic anions on aggregation and shape change of rabbit platelets. Anderson ER, et al. **Thromb Haemost** 40(1):43–60, 31 Aug 78

Ultrastructural studies on the surface coat of human platelet aggregated by polylysine and dextran. Taketomi Y, et al. **Thromb Haemost** 40(1):11–23, 31 Aug 78

Characterization of controlled release of prostaglandin from polymer matrices for thrombus prevention. McRea JC, et al. **Trans Am Soc Artif Intern Organs** 24:746–52, 1978

Neurogenic responses of the eye to injury. Effect of sensory denervation on the response of the rabbit eye to bradykinin and prostaglandin E1. Butler JM, et al. **Trans Ophthalmol Soc UK** 97(4):668–74, Sep 77

[Phase contrast microcinematography: an advantageous method in the hands of the cytochemist. Studies of cultured hypophysis cells] Rappay G. **Acta Histochem [Suppl] (Jena)** 15:373–7, 1975 **(Ger)**

[Kallikrein and prostaglandin E-1--comparative study on the increased motility of spermatozoa by laser-doppler spectroscopy] Steiner R, et al. **Fortschr Androl** 6:26–34, 1978 **(Ger)**

[A method for the evaluation of nitroblue tetrazolium reduction in human platelets (author's transl)] Fereberger W, et al. **Klin Wochenschr** 56(19):985–6, 1 Oct 78 (Eng. Abstr.) **(Ger)**

[Experimental investigation on primary pulmonary hypertension. Effect of prostaglandin E1 and E2 on the actions of vasoconstrictors (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 16(8):574–80, Aug 78 (Eng. Abstr.) **(Jpn)**

[Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Haneda A, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

[Kinins and peripheral circulation] Mishima Y. **Nippon Rinsho** 36(8):2878–82, Aug 78 (19 ref.) **(Jpn)**

[Effect of prostaglandins E-1, E-2 and F-1 alpha on leukocyte migration] Wit B, et al. **Med Dosw Mikrobiol** 30(3):207–11, 1978 (Eng. Abstr.) **(Pol)**

[Effect of prostaglandins on embryonal myocardium] Mirzoian SA, et al. **Farmakol Toksikol** 41(6):683–6, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Changes in duodenal neutralization in the rat induced by PGEL and PGE2] Costales M, et al. **Rev Esp Enferm Apar Dig** 53(5):525–8, 1 Jun 78 **(Spa)**

PHYSIOLOGY

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Prostaglandins as regulators in cellular immunity. Bray MA, et al. **Prostaglandins Med** 1(3):183–99, Sep 78

Spasmogen release from an extracranial vascular bed evoked by neurohumoral stimuli and periods of vascular stasis. Fozard JR, et al. **Res Clin Stud Headache** 6:41–52, 1978

Effects of drugs on prostaglandin synthesis. Youlten LJ. **Rheumatol Rehabil** Suppl:47–52, 1978 (15 ref.)

[Role of prostaglandins in endotoxin-induced fever in rats] Sptawiński JA. **Folia Med Cracov** 20(2):171–90, 1978 (Eng. Abstr.) **(Pol)**

[Participation of prostaglandins in the mechanism of hypothalamo-hypophyseal regulation of thyroid gland function] Malinkovich VD. **Probl Endokrinol (Mosk)** 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

[Kallikrein-kinin-prostaglandin system of the kidneys] Nekrasova AA. **Ter Arkh** 50(11):138–45, 1978 (17 ref.) **(Rus)**

SECRETION

Organic acid secretory pathway and urinary excretion of prostaglandin E in the dog. Rosenblatt SG, et al. **Am J Physiol** 235(5):F473–9, Nov 78

Basal and stimulated rates of renal secretion and excretion of prostaglandings E2, Falpha, and 13, 14-dihydro-15-keto Falpha in the dog. Dunn MJ, et al. **Kidney Int** 13(2):36–43, Feb 78

[Biologically active metabolites of unsaturated fatty acids and the function of contractile elements of the respiratory and vascular systems] Grodzińska L. **Folia Med Cracov** 20(2):211–30, 1978 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Healing of ischaemic ulcers by intravenous prostaglandin E1 in a woman with thrombangitis obliterans. Olsson AG, et al. **Acta Derm Venereol (Stockh)** 58(5):467–72, 1978

Ripening of the uterine cervix and induction of labour at term with prostaglandin E2 in viscous gel. Wingerup L, et al. **Acta Obstet Gynecol Scand** 57(5):403–6, 1978

Induction of labor with oral prostaglandin E2 in normal and high-risk pregnancies. Nelson GH, et al. **Am J Obstet Gynecol** 132(6):642–8, 15 Nov 78

Dilatation of the ductus arteriosus by prostaglandin E1 in aortic arch abnormalities. Heymann MA, et al. **Circulation** 59(1):169–73, Jan 79

Protective effect of prostaglandin [PGE2] and in glycerol-induced acute renal failure in rats. Werb R, et al. **Clin Sci Mol Med** 55(5):505–7, Nov 78

Effect of prostaglandin E1 on ouabain-induced cardiac toxicity in anesthetized dogs. Nakanishi H, et al. **Fukushima J Med Sci** 24(1–2):47–54, 1977

Topical aspirin plus HCl gastric lesions in the rat. Cytoprotective effect of prostaglandin, cimetidine, and probanthine. Guth PH, et al. **Gastroenterology** 76(1):88–93, Jan 79

[Effects of prostaglandin-E1 on patients with pulmonary atresia (author's transl)] Usui K, et al. **Kyobu Geka** 31(12):908–11, Dec 78 (Eng. Abstr.) **(Jpn)**

URINE

Organic acid secretory pathway and urinary excretion of

prostaglandin E in the dog. Rosenblatt SG, et al. **Am J Physiol** 235(5):F473–9, Nov 78

Interrelations of the renal kallikrein-kinin system and renal prostaglandins in the conscious rat. Influence of mineralocorticoids. Nasjletti A, et al. **Circ Res** 43(5):799–807, Nov 78

Basal and stimulated rates of renal secretion and excretion of prostaglandings E2, Falpha, and 13, 14–dihydro–15–keto Falpha in the dog. Dunn MJ, et al. **Kidney Int** 13(2):36–43, Feb 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

Effects of inhibition of prostaglandin-synthesis on renal electrolyte excretion and concentrating ability in healthy man. Kramer HJ, et al. **Prostaglandins Med** 1(5):341–9, Nov 78

Impaired renal prostaglandin E2 biosynthesis in human hypertensive states. Tan SY, et al. **Prostaglandins Med** 1(1):76–85, Jul 78

Redistribution of intrarenal blood flow following ADH administration: lack of inhibition by blockade of prostaglandin in cyclooxygenase. Walker LA, et al. **Prostaglandins Med** 1(4):295–303, Oct 78

PROSTAGLANDINS F

ADMINISTRATION & DOSAGE

Contractile effects of prostaglandin F2alpha on isolated human peripheral arteries and veins. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 43(5):398–404, Nov 78

Effects on fluid balance induced by non–febrile intracerebroventricular infusions of PGE2, PGF2alpha, and arachidonic acid in the goat. Leksell LG. **Acta Physiol Scand** 104(2):225–31, Oct 78

Luteal function in sows after unilateral infusion of PGF–2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

The oxytocic effect of centrally injected prostaglandins E2 and F2alpha. Fujimoto S, et al. **Jpn J Pharmacol** 28(5):791–3, Oct 78

Comparison of prostaglandin and hypertonic saline for termination of pregnancy. Bygdeman M. **Obstet Gynecol** 52(4):424–9, Oct 78

Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78

Role of prostaglandin F2alpha in modulation of LH–stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

Effect of in vivo prostaglandin treatment on 3H–PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

The effects of prostaglandins E2 and F2alpha on synaptosomal accumulation and release of 3H–norepinephrine. Wendel OT, et al. **Prostaglandins** 16(3):441–9, Sep 78

Effects of prostaglandin–F2alpha on some reproductive parameters of fertile male rats. Saksena SK, et al. **Prostaglandins Med** 1(2):107–15, Aug 78

Prostaglandin F2alpha induced termination of pregnancy and its reversal by prolactin or progesterone in rats. Saksena SK, et al. **Prostaglandins Med** 1(3):201–6, Sep 78

[Induction of labor and its synchronization in hogs] Polák L, et al. **Vet Med (Praha)** 23(11):651–60, Nov 78 (Eng. Abstr.) **(Cze)**

[Studies on oxytocin secretion during pregnancy, labor and post–delivery in the human (author's transl)] Ogawa S, et al. **Nippon Naibunpi Gakkai Zasshi** 54(11):1229–37, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Comparison of prostaglandin and hypertonic saline for termination of pregnancy. Bygdeman M. **Obstet Gynecol** 52(4):424–9, Oct 78

World Health Organization studies of prostaglandins versus saline as abortifacients. A reappraisal. Cates W Jr, et al. **Obstet Gynecol** 52(4):493–8, Oct 78

ANALYSIS

Prostaglandin F in the fallopian tube secretion of the ewe. Warnes GM, et al. **Aust J Biol Sci** 31(3):275–82, Jun 78

Mass spectral studies on prostaglandins. V—Deuterated analogues of prostaglandin F2alpha. Horváth G, et al. **Biomed Mass Spectrom** 5(9):544–50, Sep 78

Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron–capture gas–liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78

ANTAGONISTS & INHIBITORS

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

Pharmacology on rat ileum of certain 2–substituted 3–(dimethylamino)–5,6–dimethoxyindenes related to 5,6–(methylenedioxy)indene calcium antagonists. Witiak DT, et al. **J Med Chem** 21(12):1313–5, Dec 78

Basal and stimulated rates of renal secretion and excretion of prostaglandings E2, Falpha, and 13, 14–dihydro–15–keto Falpha in the dog. Dunn MJ, et al. **Kidney Int** 13(2):36–43, Feb 78

Prostaglandin F2alpha (PGF2alpha)–induced contraction and calcium movement in longitudinal muscle of guinea–pig isolated stomach. Ishizawa M, et al. **Prostaglandins** 16(4):591–7, Oct 78

Prostaglandin F2alpha induced termination of pregnancy and its reversal by prolactin or progesterone in rats. Saksena SK, et al. **Prostaglandins Med** 1(3):201–6, Sep 78

BIOSYNTHESIS

Inhibition of prostaglandin synthesis in rat brain. Abdel–Halim MS, et al. **Acta Pharmacol Toxicol (Copenh)** 43(4):266–72, Oct 78

Increased PGF2alpha synthesis in renal papilla of spontaneously hypertensive rats. Ahnfelt–Rønne I, et al. **Biochem Pharmacol** 27(19):2363–7, 1978

Inflammatory reactions induced by ultraviolet irradiation. Greaves MW, et al. **Bull Cancer (Paris)** 65(3):299–303, 1978

Specific change in the direction of prostaglandin synthesis by intra–uterine tissues of the rhesus monkey (Macaca mulatta) during late pregnancy. Mitchell MD, et al. **J Endocrinol** 78(3):343–50, Sep 78

Role of prostaglandin synthesis in rabbit platelet activation induced by basophil–derived platelet–activating factor. Shaw JO, et al. **J Immunol** 121(5):1939–45, Nov 78

Renal biosynthesis of prostaglandin E2 and F2alpha: dependence on extracellular potassium. Düsing R, et al. **J Lab Clin Med** 92(5):669–77, Nov 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

Differential response of brain PGF2alpha synthesis to methionine sulfoximine in respect of other convulsant drugs. Spagnuolo C, et al. **Pharmacol Res Commun** 10(6):541–4, Jun 78

Antipyretic action of mepacrine without blockade of prostaglandin (PG) synthesis in the C.N.S. Spagnuolo C, et al. **Pharmacol Res Commun** 10(8):779–86, Sep 78

In vitro synthesis of progesterone and prostaglandin F by luteal tissue and prostaglandin F by endometrial tissue from the pig. Guthrie HD, et al. **Prostaglandins** 16(3):433–40, Sep 78

Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Triebwasser WF, et al. **Prostaglandins** 16(4):621–32, Oct 78

Dietary fat type and ambient oxygen tension influence pulmonary prostaglandin synthetic potential. Meydani SN, et al. **Prostaglandins Med** 1(3):241–9, Sep 78

BLOOD

A study of three vasodilating agents as selective inhibitors of thromboxane A2 biosynthesis. Greenwald JE, et al. **Biochem Biophys Res Commun** 84(4):1112–8, 30 Oct 78

E. coli endotoxin shock in the dog; treatment with lidocaine or indomethacin. Fletcher JR, et al. **Br J Pharmacol** 64(2):185–91, Oct 78

Corticosteroid–induced avascular necrosis: an experimental study in rabbits. Gold EW, et al. **Clin Orthop** (135):272–80, Sep 78

Release of prostaglandin–like material by depressor stimulation in rabbits. Rengo F, et al. **J Pharm Pharmacol** 30(11):726–7, Nov 78

Uterine blood flow and prostaglandin levels in ovariectomized rabbits. Antonini R, et al. **J Reprod Fertil** 54(2):349–56, Nov 78

Correlations of maternal and fetal endocrine events with uterine pressure changes around parturition in the ewe. Rawlings NC, et al. **J Reprod Fertil** 54(1):1–8, Sep 78

The effect of exogenous intrauterine progesterone on the amount and prostaglandin F2alpha content of menstrual

blood in dysmenorrheic women. Trobough G, et al. **J Reprod Med** 21(3):153–8, Sep 78

Prostaglandins in patients ductus arteriosus [letter] Lucas A, et al. **Lancet** 2(8096):937–8, 28 Oct 78

Prostanoids in blood for neonatal transfusion [letter] Mitchell MD, et al. **Lancet** 2(8104–5):1382–3, 23–30 Dec 78

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

Effect of sparteine sulfate on uterine prostaglandin F in the rat. Abtahi FS, et al. **Prostaglandins** 16(3):473–82, Sep 78

The effects of trans linoleic acid on the concentration of serum prostaglandin F2alpha and platelet aggregation. Hwang DH, et al. **Prostaglandins Med** 1(2):121–30, Aug 78

Elevated concentrations of 6-keto-prostaglandin F1alpha in fetal and maternal plasma and in amniotic fluid during ovine parturition. Mitchell MD, et al. **Prostaglandins Med** 1(3):265–6, Sep 78

A sensitive radioimmunoassay for 6-keto-prostaglandin F1alpha: preliminary observations on circulating concentrations. Mitchell MD. **Prostaglandins Med** 1(1):13–21, Jul 78

Selective elevation of circulating prostaglandin concentrations in hyaline membrane disease in pre-term infants. Mitchell MD, et al. **Prostaglandins Med** 1(3):207–12, Sep 78

Prostaglandins in blood of diabetic versus non-diabetic humans. Waitzman MB, et al. **Prostaglandins Med** 1(2):131–7, Aug 78

[Correlation between physical load, sympathicus activity and prostaglandins of groups A + E and F in healthy individuals (author's transl)] Ryšánek K, et al. **Cas Lek Cesk** 117(36):1113–7, 8 Sep 78 (Eng. Abstr.) **(Cze)**

[Concentration of depressor and pressor prostaglandins in the blood of patients with cerebral hypertensive crises] Suslina ZA. **Zh Nevropatol Psikhiatr** 78(11):1635–40, 1978 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Effects of prostaglandin E1 and prostaglandin F2alpha on insulin and glucagon plasma levels during the intravenous glucose tolerance test in man. Giugliano D, et al. **Diabete Metab** 4(3):187–91, Sep 78

[Functional diagnosis of bronchospasm] Casali L, et al. **Minerva Med** 69(49):3337–58, 17 Oct 78 (Eng. Abstr.) **(Ita)**

METABOLISM

Effect of lowering of the temperature on the tissue levels of cAMP, cGMP, PGE and PGF2 alpha in spontaneously beating rat atria preparation. Parantainen J, et al. **Acta Physiol Scand** 104(2):213–6, Oct 78

Conjugation of 15-keto-prostaglandins by glutathione S-transferases. Chaudhari A, et al. **Biochim Biophys Acta** 531(1):56–64, 25 Oct 78

Cycloheximide blockage of estradiol-17beta-induced contractions in ovariectomized ewes. Rexroad CE Jr. **Biol Reprod** 19(3):648–52, Oct 78

Prostacyclin, platelet aggregation, and thrombosis. pp. 239–58. Moncada S, et al. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (119 ref.)

Effect of sparteine sulfate on uterine prostaglandin F in the rat. Abtahi FS, et al. **Prostaglandins** 16(3):473–82, Sep 78

The concentration of 6-keto-prostaglandin F1alpha is markedly elevated at the site of blastocyst implantation in the rat. Kennedy TG, et al. **Prostaglandins** 16(4):599–605, Oct 78

Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Moore PK, et al. **Prostaglandins** 16(3):335–49, Sep 78

Uterine luminal prostaglandin F in cycling mares. Zavy MT, et al. **Prostaglandins** 16(4):643–50, Oct 78

Possible interconversion of PGE2 and PGE2alpha by pig follicles superfused in vitro. Dodson KS, et al. **Prostaglandins Med** 1(4):293–4, Oct 78

Elevated concentrations of 6-keto-prostaglandin F1alpha in fetal and maternal plasma and in amniotic fluid during ovine parturition. Mitchell MD, et al. **Prostaglandins Med** 1(3):265–6, Sep 78

Effects of cervical sympathetic ganglionectomy on cyclic-AMP and prostaglandins in brain and eye tissues and fluids. Waitzman MB. **Prostaglandins Med** 1(2):139–49, Aug 78

Altered lung metabolism of prostaglandins during hemorrhagic and endotoxin shock. Fletcher JR, et al. **Surg Forum** 28:184–6, 1977

PHARMACODYNAMICS

Effects of prostaglandins on the smooth muscle of the urinary tract. Andersson KE, et al. **Acta Pharmacol Toxicol (Copenh)** 43(2):90–5, 1978 (22 ref.)

Contractile effects of prostaglandin F2alpha on isolated human peripheral arteries and veins. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 43(5):398–404, Nov 78

Effects of acetylcholine, noradrenaline, and prostaglandins on the isolated, perfused human fetal urethra. Andersson KE, et al. **Acta Physiol Scand** 104(4):394–401, Dec 78

Effects of dopaminergic agonists and antagonists on isolated cerebral blood vessels. Edvinsson L, et al. **Acta Physiol Scand** 104(3):349–59, Nov 78

Effects on fluid balance induced by non-febrile intracerebroventricular infusions of PGE2, PGF2alpha, and arachidonic acid in the goat. Leksell LG. **Acta Physiol Scand** 104(2):225–31, Oct 78

Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Wallach EE, et al. **Am J Obstet Gynecol** 132(7):728–38, 1 Dec 78

Interaction of prostaglandins with canine gastric mucosal adenylate cyclase-cyclic AMP system. Dozois RR, et al. **Am J Physiol** 235(5):E546–51, Nov 78

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Fatty acyl-CoA inhibition of beta-hydroxy-beta-methylglutaryl-CoA reductase activity. Faas FH, et al. **Biochim Biophys Acta** 531(2):158–66, 22 Nov 78

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

Evidence for a vagosympathetic bronchodilator reflex initiated by prostaglandin F2alpha [proceedings] Clay TP, et al. **Br J Pharmacol** 64(3):422P–423P, Nov 78

The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Tso EC, et al. **Can J Physiol Pharmacol** 56(5):828–33, Oct 78

The possible mode of action of prostaglandins: XIV. Evidence of an involvement of progesterone in the initiation of prostaglandin F2a-induced premature labor in rats. Basu R, et al. **Contraception** 18(3):225–31, Sep 78

A concept for the control of kidney production of erythropoietin involving prostaglandins and cyclic nucleotides. Fisher JW, et al. **Contrib Nephrol** 13:37–59, 1978

Effects of prostaglandins on rat cardiac adenylate cyclase. Kangasaho M, et al. **Eur J Pharmacol** 52(1):93–8, 1 Nov 78

Effects of prostaglandin E2, prostaglandin I2 and 6-keto-prostaglandin F1 alpha on adrenergic neurotransmission in the pulmonary artery of the rabbit. Weitzell R, et al. **Eur J Pharmacol** 52(1):137–41, 1 Nov 78

Modulation of the prostaglandin-induced intestinal motility in humans through the transmitters of the vegetative nervous system. Schmidt E, et al. **Eur Surg Res** 10(5):329–35, 1978

The effect of prostaglandins F2alpha and E2 on pregnancy in mice during implantation. Bronson R, et al. **Fertil Steril** 30(3):354–61, Sep 78

Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Heindel JJ, et al. **Fertil Steril** 30(5):595–9, Nov 78

Differentiated contractile effects of prostaglandins E and F on the isolated circular and longitudinal smooth muscle of the human oviduct. Lindblom B, et al. **Fertil Steril** 30(5):553–9, Nov 78

The effect of intra-amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Sowers JR, et al. **Fertil Steril** 30(4):403–7, Oct 78

Effects of prostaglandins on intestinal smooth muscle of isolated colon and duodenum in guinea-pigs. Nakahata N, et al. **Fukushima J Med Sci** 24(1–2):55–62, 1977

Pulmonary vasomotion and the distribution of vascular resistance in a dog lung lobe. Grimm DJ, et al. **J Appl Physiol** 45(4):545–50, Oct 78

Prostaglandins in lymphocyte transformation. Das UN, et al. **J Assoc Physicians India** 26(6):503–6, Jun 78

Microscopic assay for the phagocytotic-collagenolytic performance (PCP index) of human gingival fibroblasts in vitro. Rose GG, et al. **J Dent Res** 57(11–12):1003–15, Nov–Dec 78

Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side-chain

cleavage enzyme. Takatori T, et al. **J Endocrinol** 79(1):41–8, Oct 78

Effect of inhibitors of prostaglandin synthesis and prostaglandins E2 and F2alpha on the immunologic release of mediators of inflammation from actively sensitized guinea-pig lung. Hitchcock M. **J Pharmacol Exp Ther** 207(2):630–40, Nov 78

Modification of pulmonary vascular responses to arachidonic acid by alterations in physiologic state. Hyman AL, et al. **J Pharmacol Exp Ther** 207(2):388–401, Nov 78

Age-related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. Davis JR, et al. **J Reprod Fertil** 54(2):269–74, Nov 78

Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. Krzymowski T, et al. **J Reprod Fertil** 54(1):21–7, Sep 78

Mitogens for murine embryo cell lines. Herschman HR, et al. **J Supramol Struct** 8(3):263–8, 1978

The oxytocic effect of centrally injected prostaglandins E2 and F2alpha. Fujimoto S, et al. **Jpn J Pharmacol** 28(5):791–3, Oct 78

The effect of prostaglandins F2alpha and E2 on rat brain N-acetyl-beta-D-glucosaminidase in vitro. Orlacchio A, et al. **Pharmacol Res Commun** 10(9):839–50, Oct 78

Effect of sparteine sulfate on uterine prostaglandin F in the rat. Abtahi FS, et al. **Prostaglandins** 16(3):473–82, Sep 78

Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Clyman RI, et al. **Prostaglandins** 16(4):633–42, Oct 78

Prostaglandins and pacemaker activity in isolated guinea pig SA node. Courtney KR, et al. **Prostaglandins** 16(3):451–9, Sep 78

Role of prostaglandin F2alpha in modulation of LH-stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Evrard M, et al. **Prostaglandins** 16(4):491–500, Oct 78

Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

Stimulatory effect of prostaglandins on the production of hexosamine-containing substances by cultured fibroblasts (4) adenosine 3':5'-cyclic monophosphate independent stimulation by prostaglandin F2alpha. Murota S, et al. **Prostaglandins** 16(3):389–96, Sep 78

The effects of prostaglandins E2 and F2alpha on synaptosomal accumulation and release of 3H-norepinephrine. Wendel OT, et al. **Prostaglandins** 16(3):441–9, Sep 78

Pregnancy and progeny in rats treated with prostaglandin F2alpha. Persaud TV, et al. **Prostaglandins Med** 1(1):23–30, Jul 78

Effects of prostaglandin-F2alpha on some reproductive parameters of fertile male rats. Saksena SK, et al. **Prostaglandins Med** 1(2):107–15, Aug 78

Prostaglandin F2alpha induced termination of pregnancy and its reversal by prolactin or progesterone in rats. Saksena SK, et al. **Prostaglandins Med** 1(3):201–6, Sep 78

Effects of prostaglandins on distribution of blood flow in the cat. Smith EF 3d, et al. **Prostaglandins Med** 1(5):411–8, Nov 78

Bradykinin and prostaglandin E1, E2 and F2alpha-induced macromolecular leakage in the hamster cheek pouch. Svensjö E. **Prostaglandins Med** 1(5):397–410, Nov 78

The high yield of prostacyclin biosynthesis by the iris and its effects on the intraocular muscles. van Alphen GW, et al. **Prostaglandins Med** 1(2):151–7, Aug 78

Prostaglandin-mediated inhibition of noradrenaline release: V. A comparison of the neuroinhibitory effect of three prostaglandins: E2, I2, and 6-keto-PGF1alpha. Wennmalm A. **Prostaglandins Med** 1(1):49–54, Jul 78

Effect of arachidonic acid (ARA), prostaglandins E2 (PGE2), and F2alpha (PGF2alpha) on sensitized spleen cells in the hemolytic plaque assay. Masaki DI, et al. **Res Commun Chem Pathol Pharmacol** 22(1):205–8, Oct 78

[Effect of prostaglandins E-1, E-2 and F-1 alpha on leukocyte migration] Wit B, et al. **Med Dosw Mikrobiol** 30(3):207–11, 1978 (Eng. Abstr.) **(Pol)**

[Effect of prostaglandins on embryonal myocardium] Mirzoian SA, et al. **Farmakol Toksikol** 41(6):683–6, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of exogenous intrauterine progesterone on the amount and prostaglandin F2alpha content of menstrual blood in dysmenorrheic women. Trobough G, et al. **J Reprod Med** 21(3):153–8, Sep 78

Effects of drugs on prostaglandin synthesis. Youlten LJ. **Rheumatol Rehabil** Suppl:47–52, 1978 (15 ref.)

[Kallikrein-kinin-prostaglandin system of the kidneys] Nekrasova AA. **Ter Arkh** 50(11):138–45, 1978 (17 ref.) **(Rus)**

[Effect of phentanyl, droperidol and seduxen on the rat uterus response to prostaglandin F2 alpha] Gersamiia TV, et al. **Vopr Okhr Materin Det** 23(9):82–6, Sep 78 (Eng. Abstr.) **(Rus)**

SECRETION

Basal and stimulated rates of renal secretion and excretion of prostaglandings E2, Falpha, and 13, 14-dihydro-15-keto Falpha in the dog. Dunn MJ, et al. **Kidney Int** 13(2):36–43, Feb 78

Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Aksel S, et al. **Obstet Gynecol** 52(4):421–3, Oct 78

[Vasoactive substances released from the lungs in acute pulmonary edema (author's transl)] Hara N. **Nippon Kyobu Geka Gakkai Zasshi** 26(9):1085–92, Sep 78 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Comparison of prostaglandin and hypertonic saline for termination of pregnancy. Bygdeman M. **Obstet Gynecol** 52(4):424–9, Oct 78

Abortion failure [letter] Cates W Jr, et al. **Obstet Gynecol** 52(4):511–2, Oct 78

World Health Organization studies of prostaglandins versus saline as abortifacients. A reappraisal. Cates W Jr, et al. **Obstet Gynecol** 52(4):493–8, Oct 78

URINE

Increased PGF2alpha synthesis in renal papilla of spontaneously hypertensive rats. Ahnfelt-Rønne I, et al. **Biochem Pharmacol** 27(19):2363–7, 1978

Basal and stimulated rates of renal secretion and excretion of prostaglandings E2, Falpha, and 13, 14-dihydro-15-keto Falpha in the dog. Dunn MJ, et al. **Kidney Int** 13(2):36–43, Feb 78

Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Norby LH, et al. **Lancet** 2(8100):1118–22, 25 Nov 78

Urinary prostaglandin E excretion: effect of chronic alterations in sodium intake and inhibition of prostaglandin synthesis in the rabbit. Lifschitz MD, et al. **Prostaglandins** 16(4):607–19, Oct 78

PROSTAGLANDINS G

BIOSYNTHESIS

Role of prostaglandin synthesis in rabbit platelet activation induced by basophil-derived platelet-activating factor. Shaw JO, et al. **J Immunol** 121(5):1939–45, Nov 78

PHARMACODYNAMICS

Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Gerrard JM, et al. **Prog Hemost Thromb** 4:87–125, 1978 (171 ref.)

Prostaglandin endoperoxides promote calcium release from a platelet membrane fraction in vitro. Gerrard JM, et al. **Prostaglandins Med** 1(5):373–85, Nov 78

PROSTAGLANDINS H

BIOSYNTHESIS

Role of prostaglandin synthesis in rabbit platelet activation induced by basophil-derived platelet-activating factor. Shaw JO, et al. **J Immunol** 121(5):1939–45, Nov 78

Selective inhibition of prostaglandin endoperoxide thromboxane isomerase by 1-carboxyalkylimidazoles. Yoshimoto T, et al. **Prostaglandins** 16(4):529–40, Oct 78

BLOOD

Kinetic studies on the conversion of prostaglandin endoperoxide PGH2 by thromboxane synthase. Anderson MW, et al. **Prostaglandins** 16(4):563–70, Oct 78

Selective inhibition of prostaglandin endoperoxide thromboxane isomerase by 1-carboxyalkylimidazoles. Yoshimoto T, et al. **Prostaglandins** 16(4):529–40, Oct 78

APPENDIX

CHEMICAL SYNTHESIS

Synthesis of prostaglandin H2 (PGH2) and prostacyclin (PGI2) analogs: tetrathia-PGH2 and PGI2-ketal methyl ester. Nicolaou KC, et al. **Prostaglandins Med** 1(1):96–7, Jul 78

METABOLISM

The role of lipids in platelet function: with particular reference to the arachidonic acid pathway. Marcus AJ. **J Lipid Res** 19(7):793–826, Sep 78

PHARMACODYNAMICS

Modification of pulmonary vascular responses to arachidonic acid by alterations in physiologic state. Hyman AL, et al. **J Pharmacol Exp Ther** 207(2):388–401, Nov 78

The effect on deep body temperature of the intraventricular injection of two prostaglandin endoperoxide analogues [proceedings] Cremades-Campos A, et al. **J Physiol (Lond)** 282:38P, Sep 78

The effect of precursors, products, and product analogs of prostaglandin cyclooxygenase upon iris sphincter muscle. Crawford CG, et al. **Life Sci** 23(12):1255–62, 25 Sep 78

Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Gerrard JM, et al. **Prog Hemost Thromb** 4:87–125, 1978 (171 ref.)

Prostaglandin endoperoxides promote calcium release from a platelet membrane fraction in vitro. Gerrard JM, et al. **Prostaglandins Med** 1(5):373–85, Nov 78

Circulatory responses of perinatal goats to prostaglandin precursors. Tyler TL, et al. **Prostaglandins Med** 1(3):213–29, Sep 78

PROSTAGLANDINS X

ADMINISTRATION & DOSAGE

Prostacyclin can replace heparin in haemodialysis in dogs. Woods HF, et al. **Lancet** 2(8099):1075–7, 18 Nov 78

The effect of PGI2 on canine renal function and hemodynamics. Gerber JG, et al. **Prostaglandins** 16(4):519–28, Oct 78

Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

ADVERSE EFFECTS

Prevention of aspecifically induced bronchoconstriction by PGI2 and 20-methyl-PGI2 in asthmatic patients. Bianco S, et al. **Pharmacol Res Commun** 10(7):657–74, Jul 78

ANALYSIS

Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography--mass spectrometry. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:39–94, 1978

Stability of authentic PGI2 during routine extraction. Clarification of the nature and sequence of products formed by the rat stomach including the origin of the ozonolysis products reported in 1971. Pace-Asciak CR, et al. **Prostaglandins** 16(3):397–140, Sep 78

ANTAGONISTS & INHIBITORS

Aspirin and bleeding-time [letter] Rajah SM, et al. **Lancet** 2(8099):1104, 18 Nov 78

BIOSYNTHESIS

Prostacyclin and thromboxane A2 biosynthesis capacities of heart, arteries and platelets at various stages of experimental atherosclerosis in rabbits. Gryglewski RJ, et al. **Atherosclerosis** 31(4):385–94, Dec 78

Inhibition of prostacyclin (PGI2) formation in the rat small-intestine and gastric mucosa by the ulcerogen, indomethacin [proceedings] Whittle BJ. **Br J Pharmacol** 64(3):438P, Nov 78

Prostacyclin, platelet aggregation, and thrombosis. pp. 239–58. Moncada S, et al. **In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.** (119 ref.)

Stimulation of endothelial cell prostacyclin production by thrombin, trypsin, and the ionophore A 23187. Weksler BB, et al. **J Clin Invest** 62(5):923–30, Nov 78

Human rectal mucosa generates prostacyclin [letter] Sinzinger H, et al. **Lancet** 2(8102):1253, 9 Dec 78

Platelet-endothelial prostaglandin biochemical imbalance in sudden infant death syndrome in the newborn: capillary endothelial cell deficiency and/or lag in maturation of prostacyclin synthetase. Hokama Y. **Med Hypotheses** 4(4):303–5, Jul-Aug 78

Prostacyclin and thromboxane generating systems in rabbits pretreated with aspirin. Basista M, et al. **Pharmacol Res Commun** 10(8):759–63, Sep 78

Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Clyman RI, et al. **Prostaglandins** 16(4):633–42, Oct 78

Stability of authentic PGI2 during routine extraction. Clarification of the nature and sequence of products formed by the rat stomach including the origin of the ozonolysis products reported in 1971. Pace-Asciak CR, et al. **Prostaglandins** 16(3):397–140, Sep 78

Increased production of PGI2-like activity by frozen-thawed rat aorta. Ts'ao CH, et al. **Prostaglandins** 16(4):503–12, Oct 78

The high yield of prostacyclin biosynthesis by the iris and its effects on the intraocular muscles. van Alphen GW, et al. **Prostaglandins Med** 1(2):151–7, Aug 78

BLOOD

Prostacyclin is produced in whole blood [proceedings] Blackwell GJ, et al. **Br J Pharmacol** 64(3):436P, Nov 78

Recirculation of prostacyclin (PGI2) in the dog. Dusting GJ, et al. **Br J Pharmacol** 64(2):315–20, Oct 78

The role of lipids in platelet function: with particular reference to the arachidonic acid pathway. Marcus AJ. **J Lipid Res** 19(7):793–826, Sep 78

A sensitive radioimmunoassay for 6-keto-prostaglandin F1alpha: preliminary observations on circulating concentrations. Mitchell MD. **Prostaglandins Med** 1(1):13–21, Jul 78

CHEMICAL SYNTHESIS

Synthesis of prostaglandin H2 (PGH2) and prostacyclin (PGI2) analogs: tetrathia-PGH2 and PGI2-ketal methyl ester. Nicolaou KC, et al. **Prostaglandins Med** 1(1):96–7, Jul 78

ISOLATION & PURIFICATION

Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:15–38, 1978

Stability of authentic PGI2 during routine extraction. Clarification of the nature and sequence of products formed by the rat stomach including the origin of the ozonolysis products reported in 1971. Pace-Asciak CR, et al. **Prostaglandins** 16(3):397–140, Sep 78

METABOLISM

Metabolism of prostacyclin in rat. Sun FF, et al. **Biochemistry** 17(19):4096–101, 19 Sep 78

Prostacyclin-like activity of endothelium and subendothelium – important for atherosclerosis? Silberbauer K, et al. **Experientia** 34(11):1471–2, 15 Nov 78

Metabolism of prostacyclin in the rabbit kidney. Wong PY, et al. **J Biol Chem** 254(1):12–4, 10 Jan 79

Stability of authentic PGI2 during routine extraction. Clarification of the nature and sequence of products formed by the rat stomach including the origin of the ozonolysis products reported in 1971. Pace-Asciak CR, et al. **Prostaglandins** 16(3):397–140, Sep 78

PHARMACODYNAMICS

Vasodilation produced by prostacyclin (PGI2) and 9(O)-thiaprostacyclin (PGI2-S) in the canine femoral circulation. Horii D, et al. **Eur J Pharmacol** 51(3):313–6, 1 Oct 78

Effects of prostaglandin E2, prostaglandin I2 and 6-keto-prostaglandin F1 alpha on adrenergic neurotransmission in the pulmonary artery of the rabbit. Weitzell R, et al. **Eur J Pharmacol** 52(1):137–41, 1 Nov 78

Prostacyclin-like activity of endothelium and subendothelium – important for atherosclerosis? Silberbauer K, et al. **Experientia** 34(11):1471–2, 15 Nov 78

Platelets and prostaglandins: the key role of platelet phospholipase A2 activity. pp. 213–25. Silver MJ, et al.

In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (35 ref.)

Modification of pulmonary vascular responses to arachidonic acid by alterations in physiologic state. Hyman AL, et al. **J Pharmacol Exp Ther** 207(2):388–401, Nov 78

Prostacyclin can replace heparin in haemodialysis in dogs. Woods HF, et al. **Lancet** 2(8099):1075–7, 18 Nov 78

Circulatory and anti-platelet effects of intravenous prostacyclin in healthy men. Szczeklik A, et al. **Pharmacol Res Commun** 10(6):545–56, Jun 78

Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Clyman RI, et al. **Prostaglandins** 16(4):633–42, Oct 78

Prostacyclin: a potent stimulator of adrenal steroidogenesis. Ellis EF, et al. **Prostaglandins** 16(4):483–90, Oct 78

The effect of PGI2 on canine renal function and hemodynamics. Gerber JG, et al. **Prostaglandins** 16(4):519–28, Oct 78

Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Kimball FA, et al. **Prostaglandins** 16(3):427–32, Sep 78

Comparison of the effects of prostacyclin (PGI2), prostaglandin E1 and D2 on platelet aggregation in different species. Whittle BJ, et al. **Prostaglandins** 16(3):373–88, Sep 78

Antihypertensive effect of prostacyclin (PGI2) in experimental hypertension and its influence on plasma renin activity in rats. Schölkens BA. **Prostaglandins Med** 1(5):359–72, Nov 78

Effects of prostaglandins on distribution of blood flow in the cat. Smith EF 3d, et al. **Prostaglandins Med** 1(5):411–8, Nov 78

The high yield of prostacyclin biosynthesis by the iris and its effects on the intraocular muscles. van Alphen GW, et al. **Prostaglandins Med** 1(2):151–7, Aug 78

Prostaglandin-mediated inhibition of noradrenaline release: V. A comparison of the neuroinhibitory effect of three prostaglandins: E2, I2, and 6-keto-PGF1alpha. Wennmalm A. **Prostaglandins Med** 1(1):49–54, Jul 78

The influence of age, sex, and the use of oral contraceptives on the inhibitory effects of endothelial cells and PGI2 (prostacyclin) on platelet function. Nordøy A, et al. **Scand J Haematol** 21(3):177–87, Sep 78

The inhibitory effect of aspirin on human endothelial cells. Nordoy A, et al. **Thromb Haemost** 40(1):103–10, 31 Aug 78

Characterization of controlled release of prostaglandin from polymer matrices for thrombus prevention. McRea JC, et al. **Trans Am Soc Artif Intern Organs** 24:746–52, 1978

[Prostacyclin--inhibitory effect on thrombocyte aggregation on the vascular wall in vivo?] Sinzinger H, et al. **Vasa** 7(4):350–9, 1978 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Prostacyclin (PGI2): a potential mediator of inflammation [proceedings] Davidson EM, et al. **Br J Pharmacol** 64(3):437P, Nov 78

Contribution of prostaglandins to muscle blood flow in anesthetized dogs at rest, during exercise, and following inflow occlusion. Beaty O 3d, et al. **Circ Res** 44(1):67–75, Jan 79

Dipyridamole and platelet function [letter] **Lancet** 2(8102):1257–9, 9 Dec 78

[Arteriosclerosis and thrombosis, new pathogenetic viewpoints] Baumgartner HR. **Internist (Berlin)** 19(11):627–31, Nov 78 **(Ger)**

[Present-day views on the role of blood platelets in hemostasis. I. Role of platelets in primary hemostasis] Dmoszyńska-Giannopoulou A, et al. **Pol Arch Med Wewn** 60(2):169–73, Aug 78 **(Pol)**

SECRETION

Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Clyman RI, et al. **Prostaglandins** 16(4):633–42, Oct 78

[Biologically active metabolites of unsaturated fatty acids and the function of contractile elements of the respiratory and vascular systems] Grodzińska L. **Folia Med Cracov** 20(2):211–30, 1978 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Prevention of aspecifically induced bronchoconstriction by PGI2 and 20-methyl-PGI2 in asthmatic patients. Bianco S, et al. **Pharmacol Res Commun** 10(7):657–74, Jul 78

RECEPTORS, ANDROGEN

Receptors in breast cancer: an introduction. Raynaud JP. **Ann NY Acad Sci** 286:87–9, 11 Mar 77

Effect of androgen depletion on growth and androgen dependency of Shionogi carcinoma 115. Kitamura Y, et al. **Cancer Res** 38(12):4711–6, Dec 78

ANALYSIS

Receptor protein for dihydrotestosterone in nuclei of the female prostate of Praomys (Mastomys) natalensis. Ghanadian R, et al. **Invest Urol** 16(2):119–22, Sep 78

Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Shain SA, et al. **Invest Urol** 16(3):169–74, Nov 78 (59 ref.)

[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep-Oct 78 (59 ref.) **(Rus)**

DRUG EFFECTS

Androgenic, synandrogenic, and antiandrogenic actions of progestins. Bullock LP, et al. **Ann NY Acad Sci** 286:321–30, 11 Mar 77

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov-Dec 75

METABOLISM

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)

Receptor protein for dihydrotestosterone in nuclei of the female prostate of Praomys (Mastomys) natalensis. Ghanadian R, et al. **Invest Urol** 16(2):119–22, Sep 78

Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Shain SA, et al. **Invest Urol** 16(3):169–74, Nov 78 (59 ref.)

Correlation of in vivo and in vitro activities of some naturally occurring androgens using a radioreceptor assay for 5alpha-dihydrotestosterone with rat prostate cytosol receptor protein. Grover PK, et al. **J Steroid Biochem** 6(10):1373–9, Oct 75

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov-Dec 75

Androgen receptor specificity and growth response of a human cell line (NHIK 3025). Mulder E, et al. **Mol Cell Endocrinol** 11(3):309–23, Sep 78

PHYSIOLOGY

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

RECEPTORS, ANGIOTENSIN

ANALYSIS

Biologically active derivatives of angiotensin for labeling cellular receptors. Galardy RE, et al. **J Med Chem** 21(12):1279–83, Dec 78

[Angiotensin receptor regulation (proceedings) (author's transl)] Devynck MA, et al. **Ann Endocrinol (Paris)** 39(3):215–6, 1978 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The brain renin-angiotensin system: a model for the synthesis of peptides in the brain. Ganten D, et al. **Biochem Pharmacol** 27(20):2379–89, 1978 (111 ref.)

Pharmacology of angiotensin-induced drinking behavior. Severs WB, et al. **Fed Proc** 37(13):2699–703, Nov 78

Photoaffinity labeling of the angiotensin II receptor. 1. Synthesis and biological activities of the labeling peptides. Escher EH, et al. **J Med Chem** 21(9):860–4, Sep 78

Drinking in water deprived rats after combined central angiotensin receptor and converting enzyme blockade. Severs WB, et al. **Pharmacol Biochem Behav** 9(2):259–60, Aug 78

[Saralasin for renovascular or essential hypertension (author's transl)] Arlart I, et al. **Dtsch Med Wochenschr** 103(45):1790–6, 10 Nov 78 (Eng. Abstr.) **(Ger)**

METABOLISM

The immediate pressor response to saralasin in man: a test of angiotensin II receptor vacancy. Wallace JM, et al. **Circ Res** 44(1):38–44, Jan 79

Central neural pathways for angiotensin–induced thirst. Mogenson GJ, et al. **Fed Proc** 37(13):2683–8, Nov 78

Central receptor sites for angiotensin–induced drinking: a critical review. Simpson JB, et al. **Fed Proc** 37(13):2676–82, Nov 78 (36 ref.)

Binding sites for angiotensin II in human mononuclear leucocytes. Shimada K, et al. **J Biochem (Tokyo)** 84(4):1013–5, Oct 78

Photoaffinity labeling of the angiotensin II receptor. 1. Synthesis and biological activities of the labeling peptides. Escher EH, et al. **J Med Chem** 21(9):860–4, Sep 78

[Angiotensin receptor regulation (proceedings) (author's transl)] Devynck MA, et al. **Ann Endocrinol (Paris)** 39(3):215–6, 1978 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Consensus, controversies, and curiosities. Epstein AN. **Fed Proc** 37(13):2711–6, Nov 78

RECEPTORS, CYCLIC AMP

METABOLISM

A model for cyclic AMP–chemoreceptor interaction in Dictyostelium discoideum. Mato JM, et al. **Biochim Biophys Acta** 544(2):309–14, 1 Dec 78

Isolation and characterization of cyclic AMP–resistant variants from a,functional adrenal cortical cell line. Masui H, et al. **Exp Cell Res** 117(1):219–30, Nov 78

Nuclear binding pf cyclic AMP receptor. Kallos J, et al. **Int J Biochem** 9(10):767–73, 1978

Hormonal activation of protein kinase in isolated Leydig cells. Electrophoretic analysis of cyclic AMP receptors. Podesta EJ, et al. **J Biol Chem** 253(24):8994–9001, 25 Dec 78

The cyclic 3',5'–adenosine monophosphate receptor protein and regulation of cyclic 3',5'–adenosine monophosphate synthesis in Escherichia coli. Botsford JL, et al. **Mol Gen Genet** 165(1):47–56, 20 Sep 78

A computer aided oligonucleotide analysis provides a model sequence for RNA polymerase–promoter recognition in E.coli. Scherer GE, et al. **Nucleic Acids Res** 5(10):3759–73, Oct 78

Cyclic nucleotide–binding proteins detected by photoaffinity labeling in nucleus and cytoplasm of bovine liver. Friedman DL, et al. **Proc Natl Acad Sci USA** 75(11):5286–90, Nov 78

PHYSIOLOGY

Changes in composition of envelope proteins in adenylate cyclase– or cyclic AMP receptor protein–deficient mutants of Escherichia coli. Aono R, et al. **J Bacteriol** 136(2):812–4, Nov 78

RECEPTORS, ESTROGEN

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77

Receptors in breast cancer: an introduction. Raynaud JP. **Ann NY Acad Sci** 286:87–9, 11 Mar 77

The therapy of advanced breast cancer. Fischer DS, et al. **Conn Med** 42(10):634–9, Oct 78

New directions in the treatment of breast cancer: hormone–binding receptors. Katz ME. **Conn Med** 42(12):761–5, Dec 78

The prognosis of young women with breast cancer. Patterson WB. **Int J Radiat Oncol Biol Phys** 4(7–8):699–701, Jul–Aug 78

Subpopulations of breast carcinoma defined by S–phase fraction, morphology, and estrogen receptor content. Meyer JS, et al. **Lab Invest** 39(3):225–35, Sep 78

ANALYSIS

Hormone–receptor assays and cancer of the breast. The pathologist's role [editorial] Keffer JG. **Am J Clin Pathol** 70(5):719–20, Nov 78

Increased incidence of positive tests for estrogen binding in mammary carcinoma specimens transported in liquid nitrogen. Muschenheim F, et al. **Am J Clin Pathol** 70(5):780–2, Nov 78

Hormone receptors and breast cancer. Keightley DD. **Aust NZ J Surg** 48(3):270–5, Jun 78

Measurement of oestradiol receptors by five institutions on common tissue samples. King RJ, et al. **Br J Cancer** 38(3):428–30, Sep 78

Oestrogen receptors and the response to endocrine therapy in advanced breast cancer. Roberts MM, et al. **Br J Cancer** 38(3):431–6, Sep 78

Usefulness and limitation of estrogen receptor protein (ERP) assay in human renal cell carcinomas. Giuliani L, et al. **Eur Urol** 4(5):342–7, 1978

Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Shain SA, et al. **Invest Urol** 16(3):169–74, Nov 78 (59 ref.)

Estrogen receptor immunocytochemistry. Kurzon RM, et al. **J Histochem Cytochem** 26(10):803–8, Oct 78

Estrogen receptors and responses to chemotherapy and hormonal therapy in advanced breast cancer. Kiang DT, et al. **N Engl J Med** 299(24):1330–4, 14 Dec 78

Results and merit of estrogen receptor data derived from metastatic tumors of the breast. Jochimsen PR, et al. **Surg Gynecol Obstet** 147(6):842–4, Dec 78

[Measurement of estrogen receptor in relation to the prediction of hormone dependency in 7,12–dimethylbenz(a)anthracene–induced rat breast cancer and in human breast cancer (author's transl)] Abe Y. **Fukuoka Igaku Zasshi** 69(9):400–13, Sep 78 (Eng. Abstr.) **(Jpn)**

[Dynamics of changes in the concentration of estradiol receptors in the cytosol of rat female hypothalamus during postnatal development] Babichev VN, et al. **Probl Endokrinol (Mosk)** 24(6):55–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep–Oct 78 (59 ref.) **(Rus)**

BIOSYNTHESIS

Hormone receptors in breast cancer [letter] Appelbaum J. **Br Med J** 2(6145):1161–2, 21 Oct 78

DRUG EFFECTS

Regulation of estrogen receptor replenishment by progesterone. Clark JH, et al. **Ann NY Acad Sci** 286:161–79, 11 Mar 77

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77

Significance of the progesterone receptor in the estrogen–induced and –dependent renal tumor of the Syrian golden hamster. Li SA, et al. **Ann NY Acad Sci** 286:369–83, 11 Mar 77

Estradiol receptor and 17 beta–dehydrogenase in normal and abnormal human endometrium. Tseng L, et al. **Ann NY Acad Sci** 286:190–8, 11 Mar 77

The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653–6, Oct 78

Estrogen–binding sites of chicken liver. Preliminary characterization of nuclear components. Gschwendt M, et al. **Eur J Biochem** 91(1):139–49, 2 Nov 78

Nuclear mechanisms of estrogen action. Effects of estradiol and anti–estrogens on estrogen receptors and nuclear receptor processing. Horwitz KB, et al. **J Biol Chem** 253(22):8185–91, 25 Nov 78

Estrogen receptor binding and growth of the reproductive tract. Clark JH, et al. **Pediatrics** 62(6 Pt 2):1121–7, Dec 78

Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen–binding protein in rat testes. Bulger WH, et al. **Steroids** 32(2):165–77, Sep 78

ISOLATION & PURIFICATION

Estrogen–binding sites of chicken liver. Preliminary characterization of nuclear components. Gschwendt M, et al. **Eur J Biochem** 91(1):139–49, 2 Nov 78

New biospecific adsorbents for the purification of estradiol receptor. Bucourt R, et al. **J Biol Chem** 253(22):2881–8, 25 Nov 78

METABOLISM

Regulation of estrogen receptor replenishment by progesterone. Clark JH, et al. **Ann NY Acad Sci** 286:161–79,

11 Mar 77
Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77
Estradiol receptor and 17 beta-dehydrogenase in normal and abnormal human endometrium. Tseng L, et al. **Ann NY Acad Sci** 286:190–8, 11 Mar 77
Effect of chaotropic anions on the rate of dissociation of estradiol-receptor protein complexes of mouse uterine cytosol. Kumar SA, et al. **Biochem Biophys Res Commun** 84(3):631–8, 16 Oct 78
Estrogen receptor in the mammalian liver: effect of metabolism on the amount and identity of receptor-bound estrogen. Weinberger MJ, et al. **Biochem Pharmacol** 27(20):2469–74, 1978
Estrogen receptor in the mouse skin. Uzuka M, et al. **Biochim Biophys Acta** 544(2):329–37, 1 Dec 78
The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653–6, Oct 78
Oestrogen binding proteins in bone cell cytosol. van Paassen HC, et al. **Calcif Tissue Res** 25(3):249–54, 18 Aug 78
Estrogen-binding sites of chicken liver. Preliminary characterization of nuclear components. Gschwendt M, et al. **Eur J Biochem** 91(1):139–49, 2 Nov 78
The occurrence of steroid-free, 'activated' estrogen receptor in target cell nuclei. Jungblut PW, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1259–68, Oct 78
Effect of medroxyprogesterone acetate contraception on cytoplasmic estrogen receptor content of the human cervix uteri. Rall HJ, et al. **Int J Fertil** 23(1):51–6, 1978
Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Shain SA, et al. **Invest Urol** 16(3):169–74, Nov 78 (59 ref.)
New biospecific adsorbents for the purification of estradiol receptor. Bucourt R, et al. **J Biol Chem** 253(22):2881–8, 25 Nov 78
Nuclear mechanisms of estrogen action. Effects of estradiol and anti-estrogens on estrogen receptors and nuclear receptor processing. Horwitz KB, et al. **J Biol Chem** 253(22):8185–91, 25 Nov 78
A micromethod for measuring the activation of estradiol receptors of the rat uterus. Buchi K, et al. **J Steroid Biochem** 6(11–12):1467–9, Nov-Dec 75
A series of optical structural and isomeric analogs of estradiol: a comparative study of the biological activity and affinity to cytosol receptor of rabbit uterus. Chernayaev GA, et al. **J Steroid Biochem** 6(11–12):1483–8, Nov-Dec 75
Binding characteristics of estrone, estradiol and estriol to the human myometrial estrogen receptor. Lövgren T, et al. **J Steroid Biochem** 9(8):803–9, Aug 78
Receptors for 17beta-estradiol in prolactin-secreting rat pituitary cells. Haug E, et al. **Mol Cell Endocrinol** 12(1):81–95, Oct 78
In vitro transcription of vitellogenin sequences on chick liver chromatin. Dierks-Ventling C. **Nucleic Acids Res** 5(10):3929–43, Oct 78
Estrogen receptor binding and growth of the reproductive tract. Clark JH, et al. **Pediatrics** 62(6 Pt 2):1121–7, Dec 78
Differential biological activity of estradiol metabolites. Fishman J, et al. **Pediatrics** 62(6 Pt 2):1128–33, Dec 78
Metabolic influences on the action of estrogens: therapeutic implications. Gurpide E. **Pediatrics** 62(6 Pt 2):1114–20, Dec 78
Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen-binding protein in rat testes. Bulger WH, et al. **Steroids** 32(2):165–77, Sep 78
[Relationships between the size of ovarian follicles, the binding capacity of uterine estrogen receptors and estrogen concentrations in the follicular fluid and urine of calves under estrogen therapy] Rockel P, et al. **Berl Muench Tieraerztl Wochenschr** 91(24):476–9, 1978 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Oral contraceptives--possible mediation of side effects via an estrogen receptor in liver. Eisenfeld AJ, et al. **Biochem Pharmacol** 27(22):2571–5, 1978
An estrogen receptor from Xenopus laevis liver possibly connected with vitellogenin synthesis. Westley B, et al. **Cell** 15(2):367–74, Oct 78

RECEPTORS, GLUCOCORTICOID

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77
Sensitivity to glucocorticoids of lymph node cells stimulated in vivo by oxazolone. Venetianer A, et al. **Scand J Immunol** 8(4):355–62, 1978

ANALYSIS

[Studies on the glucocorticoid receptor in rat brain cytosol (author's transl)] Tsuboi S. **Nippon Naibunpi Gakkai Zasshi** 54(8):966–79, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Glucocorticoid and mitogen sensitivity of rat splenic and thymic lymphocytes in vitro after in vivo cyclophosphamide treatment. Burroughs SF, et al. **Cancer Res** 38(12):4562–8, Dec 78
Effects of calcium and magnesium ions on the interaction of corticosterone with rat brain cytosol receptor(s). Nakai T, et al. **Endocr Res Commun** 5(2):81–90, 1978
Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors. Westphal HM, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1297–305, Oct 78
Influence of enzyme treatment on dexamethasone binding in isolated thymocytes. Picard F, et al. **J Steroid Biochem** 9(8):703–7, Aug 78
Differences in nuclear glucocorticoid binding between corticoid-sensitive and corticoid-resistant lymphocytes of mouse lymphoma P1798 and stabilization of nuclear hormone receptor complexes with carbobenzoxy-L-phenylalanine. Stevens J, et al. **JNCI** 61(6):1477–85, Dec 78

ISOLATION & PURIFICATION

Glucocorticoid-binding proteins of rat heart cytosol and their possible role in the transfer of glucocorticoids into nuclei. Seleznev UM, et al. **J Mol Cell Cardiol** 10(10):877–91, Oct 78

METABOLISM

Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. DiSorbo D, et al. **Ann NY Acad Sci** 286:355–68, 11 Mar 77
Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77
Comparison of glucocorticoid-receptor complex binding to nuclei and DNA cellulose. Evidence for different forms of interaction. Cidlowski JA, et al. **Biochim Biophys Acta** 543(4):545–55, 1 Nov 78
Effects of calcium and magnesium ions on the interaction of corticosterone with rat brain cytosol receptor(s). Nakai T, et al. **Endocr Res Commun** 5(2):81–90, 1978
Nuclear glucocorticoid binding in chronic lymphatic leukemia lymphocytes. Stevens J, et al. **Endocr Res Commun** 5(2):91–108, 1978
Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors. Westphal HM, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1297–305, Oct 78
Glucocorticoid-binding proteins of rat heart cytosol and their possible role in the transfer of glucocorticoids into nuclei. Seleznev UM, et al. **J Mol Cell Cardiol** 10(10):877–91, Oct 78
Influence of enzyme treatment on dexamethasone binding in isolated thymocytes. Picard F, et al. **J Steroid Biochem** 9(8):703–7, Aug 78
Glucocorticoid binding and response in rat liver and diethylnitrosamine (DENA)-induced hepatomas. Snart RS, et al. **J Steroid Biochem** 9(8):709–15, Aug 78
[Localization of (3H)hydrocortisone in rat liver nuclei] Smirnov VG, et al. **Biokhimiia** 43(10):1845–53, Oct 78 (Eng. Abstr.) **(Rus)**

RECEPTORS, HORMONE

Gonadotropin receptors in human corpora lutea of term pregnancies. Rao CV, et al. **Am J Obstet Gynecol** 132(5):581–3, 1 Nov 78
Receptors in breast cancer: an introduction. Raynaud JP. **Ann NY Acad Sci** 286:87–9, 11 Mar 77
Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

APPENDIX

Receptors for gastrointestinal hormones. Gardner JD. **Gastroenterology** 76(1):202–14, Jan 79

[When hormonal regulation slips (news)] **MMW** 120(45):1476, 10 Nov 78 **(Ger)**

[Role of hormonal receptors in mammary gland carcinogenesis and estimation of its sensitivity to hormones] Szukalski B. **Endokrynol Pol** 29(6):441–58, Nov–Dec 78 **(Pol)**

ANALYSIS

Biologically active derivatives of angiotensin for labeling cellular receptors. Galardy RE, et al. **J Med Chem** 21(12):1279–83, Dec 78

[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep–Oct 78 (59 ref.) **(Rus)**

DRUG EFFECTS

Action of secretagogues on a new preparation of functionally intact, isolated pancreatic acini. Williams JA, et al. **Am J Physiol** 235(5):517–24, Nov 78

Regulation of hepatic growth hormone receptors by insulin. Baxter RC, et al. **Biochem Biophys Res Commun** 84(2):350–7, 29 Sep 78

The mode of coupling of adenylate cyclase to hormone receptors and its modulation by GTP. Levitzki A. **Biochem Pharmacol** 27(17):2083–8, 1978 (41 ref.)

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Kledzik GS, et al. **Fertil Steril** 30(3):348–53, Sep 78

Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

Synthesis and some pharmacological properties of the 23-peptide 15-lysine-secretin-(5—27). Special role of the residue in position 15 in biological activity of the vasoactive intestinal polypeptide. Bodansky M, et al. **J Med Chem** 21(11):1171–3, Nov 78

Photoaffinity labeling of the angiotensin II receptor. 1. Synthesis and biological activities of the labeling peptides. Escher EH, et al. **J Med Chem** 21(9):860–4, Sep 78

Reduction in FSH receptors in the rat testis by injection of homologous hormone. O'Shaughnessy PJ, et al. **Mol Cell Endocrinol** 12(1):9–15, Oct 78

Drinking in water deprived rats after combined central angiotensin receptor and converting enzyme blockade. Severs WB, et al. **Pharmacol Biochem Behav** 9(2):259–60, Aug 78

Octopamine receptors, adenosine 3',5'-monophosphate, and neural control of firefly flashing. Nathanson JA. **Science** 203(4375):65–8, 5 Jan 79

IMMUNOLOGY

Autoantibodies to parathyroid hormone receptor. Jüppner H, et al. **Lancet** 2(8102):1222–4, 9 Dec 78

ISOLATION & PURIFICATION

Pregnenolone sulfate binding in the guinea pig adrenal cortex: comparison with pregnenolone binding. Strott CA, et al. **Biochemistry** 17(21):4557–63, 17 Oct 78

Principles of radioreceptor assay for prolactin. Gomez F, et al. **Clin Endocrinol (Oxf)** 6 Suppl:1S–7S, 1977

METABOLISM

Hormonal modulation of specific messenger RNA species in normal and neoplastic rat liver. Feigelson P, et al. **Adv Enzymol** 47:275–312, 1978 (59 ref.)

Gonadotropin receptors in human corpora lutea of term pregnancies. Rao CV, et al. **Am J Obstet Gynecol** 132(5):581–3, 1 Nov 78

Steroid hormone action: recent advances. Chan L, et al. **Ann Intern Med** 89(5 Pt 1):694–701, Nov 78

Regulation of hepatic growth hormone receptors by insulin. Baxter RC, et al. **Biochem Biophys Res Commun** 84(2):350–7, 29 Sep 78

Prostaglandin receptors on human platelets. Structure-activity relationships of stimulatory prostaglandins. MacIntyre DE, et al. **Biochem J** 174(3):921–9, 15 Sep 78

Pregnenolone sulfate binding in the guinea pig adrenal cortex: comparison with pregnenolone binding. Strott CA, et al. **Biochemistry** 17(21):4557–63, 17 Oct 78

Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Salomon Y, et al. **Biochim Biophys Acta** 544(2):262–72, 1 Dec 78

Some properties of the interaction of follicle stimulating hormone with bovine granulosa cells and its inhibition by follicular fluid. Darga NC, et al. **Biol Reprod** 19(2):235–41, Sep 78

Hormone receptors in breast cancer [letter] Sluyser M. **Br Med J** 2(6143):1023, 7 Oct 78

The immediate pressor response to saralasin in man: a test of angiotensin II receptor vacancy. Wallace JM, et al. **Circ Res** 44(1):38–44, Jan 79

Thyroxine binding and deiodination of thyroxine by human lymphocytes. Kvetny J. **Clin Chim Acta** 89(2):183–90, 16 Oct 78

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

Endocrinological aspects of PTH metabolism in the kidney. Hesch RD, et al. **Contrib Nephrol** 13:104–14, 1978

Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Seböková E, et al. **Endocrinol Exp (Bratisl)** 12(3):147–56, Sep 78

Specific binding of vasoactive intestinal peptide to brain membranes from the guinea pig. Robberecht P, et al. **Eur J Biochem** 90(1):147–54, 15 Sep 78

Affinity of 1,2-substituted oxytocin analogues to the uterus receptor: Free-Wilson and Hansch analysis. Pliška V. **Experientia** 34(9):1190–2, 15 Sep 78

Central neural pathways for angiotensin-induced thirst. Mogenson GJ, et al. **Fed Proc** 37(13):2683–8, Nov 78

Central receptor sites for angiotensin-induced drinking: a critical review. Simpson JB, et al. **Fed Proc** 37(13):2676–82, Nov 78 (36 ref.)

Receptors for gastrointestinal hormones. Gardner JD. **Gastroenterology** 76(1):202–14, Jan 79

Differentiation dependent alterations in lymphocytic triiodothyronine reception. Csaba G, et al. **Horm Metab Res** 10(5):455–6, Sep 78

Binding sites for angiotensin II in human mononuclear leucocytes. Shimada K, et al. **J Biochem (Tokyo)** 84(4):1013–5, Oct 78

Relationship between the accumulation of pituitary growth hormone and nuclear occupancy by triiodothyronine in the rat. Coulombe P, et al. **J Clin Invest** 62(5):1020–8, Nov 78

Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. Gershengorn MC. **J Clin Invest** 62(5):937–43, Nov 78

Characterization of thyrotropin binding to specific receptors in human fat tissue. Gill DL, et al. **Mol Cell Endocrinol** 12(1):41–51, Oct 78

Reduction in FSH receptors in the rat testis by injection of homologous hormone. O'Shaughnessy PJ, et al. **Mol Cell Endocrinol** 12(1):9–15, Oct 78

Measurement of FSH in the ovarian tissue by radioimmunoassay: correlation to serum FSH levels and follicular development in the hamster. Sheela Rani CS, et al. **Mol Cell Endocrinol** 11(3):293–307, Sep 78

Mode of coupling between hormone receptors and adenylate cyclase elucidated by modulation of membrane fluidity. Rimon G, et al. **Nature** 276(5686):394–6, 23 Nov 78

Quantitative determination of the lateral diffusion coefficients of the hormone-receptor complexes of insulin and epidermal growth factor on the plasma membrane of cultured fibroblasts. Schlessinger J, et al. **Proc Natl Acad Sci USA** 75(11):5353–7, Nov 78

Prolactin receptors in mouse liver: species differences in response to estrogenic stimulation. Marshall S, et al. **Proc Soc Exp Biol Med** 159(2):256–9, Nov 78

[Is cAMP an intermediate in the releasing action of Gn-RH? (proceedings) (author's transl)] Bérault A, et al. **Ann Endocrinol (Paris)** 39(3):227–8, 1978 (Eng. Abstr.) **(Fre)**

[Angiotensin receptor regulation (proceedings) (author's transl)] Devynck MA, et al. **Ann Endocrinol (Paris)** 39(3):215–6, 1978 (Eng. Abstr.) **(Fre)**

[Thyroxine deiodination activity of the peripheral lymphocytes] Saida K, et al. **Horumon To Rinsho** 26(11):1150–4, Nov 78 **(Jpn)**

[Sphingoglycolipids of cell membrane (author's transl)] Gardas A. **Postepy Biochem** 24(3):309–31, 1978 **(Pol)**

PHYSIOLOGY

Parathyroid hormone receptors and stimulation of renal cyclic 3', 5' AMP in vitro: physiological relevance? Kugai N, et al. **Adv Exp Med Biol** 103:537–42, 1978
New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)
Principles of radioreceptor assay for prolactin. Gomez F, et al. **Clin Endocrinol (Oxf)** 6 Suppl:1S–7S, 1977
Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)
Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)
Gonadotrophins and ovarian–follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

RECEPTORS, PROGESTERONE

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77
Significance of the progesterone receptor in the estrogen–induced and –dependent renal tumor of the Syrian golden hamster. Li SA, et al. **Ann NY Acad Sci** 286:369–83, 11 Mar 77
Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long–term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77
A role for progesterone in breast cancer. McGuire WL, et al. **Ann NY Acad Sci** 286:90–100, 11 Mar 77 (135 ref.)
Receptors in breast cancer: an introduction. Raynaud JP. **Ann NY Acad Sci** 286:87–9, 11 Mar 77
Subpopulations of breast carcinoma defined by S–phase fraction, morphology, and estrogen receptor content. Meyer JS, et al. **Lab Invest** 39(3):225–35, Sep 78

ANALYSIS

Hormone–receptor assays and cancer of the breast. The pathologist's role [editorial] Keffer JG. **Am J Clin Pathol** 70(5):719–20, Nov 78
Hormone receptors and breast cancer. Keightley DD. **Aust NZ J Surg** 48(3):270–5, Jun 78
Studies on progesterone receptor in rabbit uterus. Tamaya T, et al. **Nippon Funin Gakkai Zasshi** 23(4):391–7, Oct 78

BIOSYNTHESIS

Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77
Hormone receptors in breast cancer [letter] Appelbaum J. **Br Med J** 2(6145):1161–2, 21 Oct 78

DRUG EFFECTS

Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Flickinger GL, et al. **Ann NY Acad Sci** 286:180–9, 11 Mar 77
Regulation of progesterone receptor formation by estrogen action. Leavitt WW, et al. **Ann NY Acad Sci** 286:210–25, 11 Mar 77
Significance of the progesterone receptor in the estrogen–induced and –dependent renal tumor of the Syrian golden hamster. Li SA, et al. **Ann NY Acad Sci** 286:369–83, 11 Mar 77
A role for progesterone in breast cancer. McGuire WL, et al. **Ann NY Acad Sci** 286:90–100, 11 Mar 77 (135 ref.)
Purification and properties of progesterone receptors from chick oviduct. Schrader WT, et al. **Ann NY Acad Sci** 286:64–80, 11 Mar 77
Mero–receptor formation from a larger subcomponent of the oviduct progesterone receptor. Sherman MR, et al. **Ann NY Acad Sci** 286:81–6, 11 Mar 77
Nuclear binding sites ('acceptors') for progesterone in avian oviduct: characterization of the highest–affinity sites. Spelsberg TC, et al. **Ann NY Acad Sci** 286:43–63, 11 Mar 77 (55 ref.)
Binding of ATP to progesterone receptors: properties and functional significance of this interaction. Toft D, et al. **Ann NY Acad Sci** 286:29–42, 11 Mar 77
Hormonal control of progesterone receptors. Vu Hai MT, et al. **Ann NY Acad Sci** 286:199–209, 11 Mar 77
The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653–6, Oct 78
Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors. Westphal HM, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1297–305, Oct 78

ISOLATION & PURIFICATION

Purification and properties of progesterone receptors from chick oviduct. Schrader WT, et al. **Ann NY Acad Sci** 286:64–80, 11 Mar 77

METABOLISM

Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Shapiro SS, et al. **Am J Obstet Gynecol** 132(5):549–54, 1 Nov 78
Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long–term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77
Purification and properties of progesterone receptors from chick oviduct. Schrader WT, et al. **Ann NY Acad Sci** 286:64–80, 11 Mar 77
Effect of progesterone receptors on transcription. Schwartz RJ, et al. **Ann NY Acad Sci** 286:147–60, 11 Mar 77 (48 ref.)
Mero–receptor formation from a larger subcomponent of the oviduct progesterone receptor. Sherman MR, et al. **Ann NY Acad Sci** 286:81–6, 11 Mar 77
Nuclear binding sites ('acceptors') for progesterone in avian oviduct: characterization of the highest–affinity sites. Spelsberg TC, et al. **Ann NY Acad Sci** 286:43–63, 11 Mar 77 (55 ref.)
Binding of ATP to progesterone receptors: properties and functional significance of this interaction. Toft D, et al. **Ann NY Acad Sci** 286:29–42, 11 Mar 77
Hormonal control of progesterone receptors. Vu Hai MT, et al. **Ann NY Acad Sci** 286:199–209, 11 Mar 77
Progesterone binding in rat uterine cytosol during early pregnancy [proceedings] Brodie JY, et al. **Biochem Soc Trans** 6(4):773–5, 1978
The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Stone GM, et al. **Biol Reprod** 19(3):653–6, Oct 78
Binding of 3H–progesterone by isolated rat islets of Langerhans. Green IC, et al. **Diabetologia** 15(4):349–55, Oct 78
Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors. Westphal HM, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1297–305, Oct 78
Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)
Radioautographic study of the rat brain, uterus and vagina after [3H]R–5020 injection. Warembourg M. **Mol Cell Endocrinol** 12(1):67–79, Oct 78
[The effect of enzymes on progesterone–receptor binding and chromatin binding of the complex in the estrogen–primed rabbit uterus (author's transl)] Tamaya T, et al. **Nippon Naibunpi Gakkai Zasshi** 54(10):1198–206, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

RECEPTORS, PROSTAGLANDIN

ANALYSIS

[Effect of prostaglandins on embryonal myocardium] Mirzoian SA, et al. **Farmakol Toksikol** 41(6):683–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**

METABOLISM

Prostaglandin receptors on human platelets. Structure–activity relationships of stimulatory prostaglandins. MacIntyre DE, et al. **Biochem J** 174(3):921–9, 15 Sep 78
Characterization of specific prostaglandin E receptor in isolated rat Leydig cells. Sebökova E, et al. **Endocrinol Exp (Bratisl)** 12(3):147–56, Sep 78

RECEPTORS, STEROID

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long–term tissue culture. Lippman

M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98–107, Nov–Dec 78 (134 ref.) **(Rus)**

ANALYSIS

Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Shain SA, et al. **Invest Urol** 16(3):169–74, Nov 78 (59 ref.)

[Studies on the glucocorticoid receptor in rat brain cytosol (author's transl)] Tsuboi S. **Nippon Naibunpi Gakkai Zasshi** 54(8):966–79, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

[Problem of the heterogeneity of steroid hormone receptors] Smirnov AN. **Probl Endokrinol (Mosk)** 24(6):98–107, Nov–Dec 78 (134 ref.) **(Rus)**

DRUG EFFECTS

Differences in nuclear glucocorticoid binding between corticoid-sensitive and corticoid-resistant lymphocytes of mouse lymphoma P1798 and stabilization of nuclear hormone receptor complexes with carbobenzoxy-L-phenylalanine. Stevens J, et al. **JNCI** 61(6):1477–85, Dec 78

ISOLATION & PURIFICATION

Studies of cholesterol binding in the soluble fraction of the adrenal cortex of the guinea pig. Strott CA, et al. **J Steroid Biochem** 9(8):721–30, Aug 78

METABOLISM

Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Lippman M, et al. **Ann NY Acad Sci** 286:101–15, 11 Mar 77

Comparison of glucocorticoid-receptor complex binding to nuclei and DNA cellulose. Evidence for different forms of interaction. Cidlowski JA, et al. **Biochim Biophys Acta** 543(4):545–55, 1 Nov 78

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)

Effects of calcium and magnesium ions on the interaction of corticosterone with rat brain cytosol receptor(s). Nakai T, et al. **Endocr Res Commun** 5(2):81–90, 1978

Nuclear glucocorticoid binding in chronic lymphatic leukemia lymphocytes. Stevens J, et al. **Endocr Res Commun** 5(2):91–108, 1978

Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors. Westphal HM, et al. **Hoppe Seylers Z Physiol Chem** 359(10):1297–305, Oct 78

Receptor protein for dihydrotestosterone in nuclei of the female prostate of Praomys (Mastomys) natalensis. Ghanadian R, et al. **Invest Urol** 16(2):119–22, Sep 78

Glucocorticoid-binding proteins of rat heart cytosol and their possible role in the transfer of glucocorticoids into nuclei. Seleznev UM, et al. **J Mol Cell Cardiol** 10(10):877–91, Oct 78

Correlation of in vivo and in vitro activities of some naturally occurring androgens using a radioreceptor assay for 5alpha-dihydrotestosterone with rat prostate cytosol receptor protein. Grover PK, et al. **J Steroid Biochem** 6(10):1373–9, Oct 75

Influence of enzyme treatment on dexamethasone binding in isolated thymocytes. Picard F, et al. **J Steroid Biochem** 9(8):703–7, Aug 78

Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. Sanborn BM, et al. **J Steroid Biochem** 6(11–12):1459–65, Nov–Dec 75

Glucocorticoid binding and response in rat liver and diethylnitrosamine (DENA)-induced hepatomas. Snart RS, et al. **J Steroid Biochem** 9(8):709–15, Aug 78

Studies of cholesterol binding in the soluble fraction of the adrenal cortex of the guinea pig. Strott CA, et al. **J Steroid Biochem** 9(8):721–30, Aug 78

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

Androgen receptor specificity and growth response of a human cell line (NHIK 3025). Mulder E, et al. **Mol Cell Endocrinol** 11(3):309–23, Sep 78

REVIEW SECTION

ADRENAL CORTEX

SECRETION

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

ADRENAL CORTEX HORMONES

PHARMACODYNAMICS

Effects of anti-rheumatic drugs on immunological parameters. Penny R. **Aust NZ J Med** 8 Suppl 1:109–13, 1978 (13 ref.)

THERAPEUTIC USE

[Basis of antiphlogistic and immunosuppressive therapy with corticosteroids] Schulz G, et al. **Dtsch Med Wochenschr** 103(48):1925–30, 1 Dec 78 (41 ref.) **(Ger)**

ADRENAL GLAND NEOPLASMS

PATHOLOGY

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

ADRENAL GLANDS

PHYSIOLOGY

The adrenal rhythm and puberty onset in the female rat. Ramaley JA. **Life Sci** 23(21):2079–87, 20 Nov 78 (37 ref.)

ADRENAL MEDULLA

[The adrenal medulla] Serrano PA. **Gac Med Mex** 114(8):355–69, Aug 78 (115 ref.) **(Spa)**

ALDOSTERONE

METABOLISM

The renin system in high blood pressure, from disbelief to reality: converting-enzyme blockade for analysis and treatment. Laragh JH. **Prog Cardiovasc Dis** 21(3):159–66, Nov–Dec 78 (24 ref.)

ANDROGENS

THERAPEUTIC USE

Androgen therapy of aplastic anaemia. Gardner FH. **Clin Haematol** 7(3):571–85, Oct 78 (65 ref.)

BARTTER'S DISEASE

METABOLISM

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

BONE AND BONES

ANALYSIS

Determination of the crystalline fraction in bone and other mineralizing tissues within the histochemical range by electron spin resonance spectroscopy. Ostrowski K, et al. **Acta Histochem [Suppl] (Jena)** 15:291–6, 1975 (23 ref.)

METABOLISM

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

PHYSIOLOGY

Mechanical properties and composition of cortical bone. Carter DR, et al. **Clin Orthop** (135):192–217, Sep 78 (123 ref.)

TRANSPLANTATION

[Alloplasty: its place and role in the system of current methods of treatment of fractures of long tubular bones] Demichev NP. **Ortop Travmatol Protez** (9):75–82, Sep 78 (91 ref.) **(Rus)**

ULTRASTRUCTURE

Bone lining cells and the bone fluid compartment, an ultrastructural study. Matthews JL, et al. **Adv Exp Med Biol** 103:451–8, 1978 (16 ref.)

CALCITONIN

PHYSIOLOGY

[Calcitonin and Ca and P metabolism] Morii H, et al. **Nippon Rinsho** 36(10):3324–9, Oct 78 (22 ref.) **(Jpn)**

CALCIUM

BLOOD

[Hyperventilation syndrome] Nagasaka M. **Nippon Rinsho** 36(10):3439–46, Oct 78 (128 ref.) **(Jpn)**

METABOLISM

Renal tubular transport of calcium: update. Agus ZS. **Adv Exp Med Biol** 103:37–49, 1978 (28 ref.)

Outflux of 45calcium along the rat nephron. Greger R, et al. **Adv Exp Med Biol** 103:125–8, 1978 (19 ref.)

Calcium and cancer. Mundy GR. **Life Sci** 23(17–18):1735–44,

30 Oct 78 (66 ref.)
[Mechanism of transport of Ca and P in the kidney] Fujimoto M, et al. **Nippon Rinsho** 36(10):3304–13, Oct 78 (45 ref.) **(Jpn)**
[Mechanism of intestinal absorption of calcium (Ca2+) and phosphorus (P)] Hoshi T. **Nippon Rinsho** 36(10):3292–9, Oct 78 (23 ref.) **(Jpn)**
[Calcitonin and Ca and P metabolism] Morii H, et al. **Nippon Rinsho** 36(10):3324–9, Oct 78 (22 ref.) **(Jpn)**
[Prostaglandin and Ca metabolism] Shimizu K. **Nippon Rinsho** 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**

CORPUS LUTEUM

GROWTH & DEVELOPMENT

Luteal maturation and luteal phase defect. Ross GT, et al. **Clin Obstet Gynaecol** 5(2):391–409, Aug 78 (91 ref.)

CRYPTORCHISM

The impalpable testis: a rational approach to management. Levitt SB, et al. **J Urol** 120(5):515–20, Nov 78 (81 ref.)

CUSHING'S SYNDROME

[Cushing's syndrome] Vasiukova EA, et al. **Ter Arkh** 50(11):131–7, 1978 (45 ref.) **(Rus)**

DIETHYLSTILBESTROL

ADVERSE EFFECTS

Pathology of prenatal diethylstilbestrol exposure. Welch WR, et al. **Pathol Annu** 13(Pt. 1):201–16, 1978 (33 ref.)

TOXICITY

Diethylstilbestrol: a review of its toxicity and use as a growth promotant in food-producing animals. McMartin KE, et al. **J Environ Pathol Toxicol** 1(3):279–313, Jan–Feb 78 (164 ref.)

DIHYDROXYCHOLECALCIFEROLS

PHARMACODYNAMICS

Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

THERAPEUTIC USE

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

ENDORPHINS

PHYSIOLOGY

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

ESTRADIOL

PHYSIOLOGY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

ESTROGENS

PHYSIOLOGY

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)

ESTRONE

PHARMACODYNAMICS

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698–710, Dec 78 (47 ref.)

ESTRUS

Control of the oestrous cycle of the mare. Palmer E. **J Reprod Fertil** 54(2):495–505, Nov 78 (63 ref.)

FSH

SECRETION

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)
Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

GLUCOCORTICOIDS

PHARMACODYNAMICS

Inhibition of steroid-induced immune suppression by adjuvant stimulated accessory cells. Mishell RI, et al. **J Reticuloendothel Soc** 24(4):439–47, Oct 78 (10 ref.)
[Glucocorticoids and gluco-lipidic metabolism] Hautecouverture M, et al. **Sem Hop Paris** 54(21–24):764–70, 8–15 Sep 78 (36 ref.) (Eng. Abstr.) **(Fre)**

GONADOTROPINS

ADVERSE EFFECTS

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

METABOLISM

Gonadotrophin receptors: characteristics and clinical applications. Davies TF, et al. **Clin Obstet Gynaecol** 5(2):329–62, Aug 78 (132 ref.)

PHYSIOLOGY

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)
Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

GONADOTROPINS, PITUITARY

SECRETION

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)
Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11

Mar 77 (136 ref.)

GONADS

DRUG EFFECTS

[Mutagenic agents: detection systems and clinico–pathological correlations] Migone M, et al. **Recenti Prog Med** 65(4):340–65, Oct 78 (87 ref.) (Eng. Abstr.) **(Ita)**

GRAAFIAN FOLLICLE

GROWTH & DEVELOPMENT

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophins and ovarian–follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

HERMAPHRODITISM

[Hermaphroditism in gasteropod mollusca] Gomot L. **Probl Actuels Endocrinol Nutr** (21):323–53, 1977 (50 ref.) **(Fre)**

ETIOLOGY

The incomplete male. Savage MO, et al. **Arch Dis Child** 53(9):701–3, Sep 78 (21 ref.)

HORMONES

METABOLISM

Diet and breast cancer: a review. Hankin JH, et al. **Am J Clin Nutr** 31(11):2005–16, Nov 78 (91 ref.)

Systemic and local hormonal requirements for implantation in domestic animals. Cook B, et al. **J Reprod Fertil** 54(2):471–82, Nov 78 (111 ref.)

PHARMACODYNAMICS

Hormonal modulation of specific messenger RNA species in normal and neoplastic rat liver. Feigelson P, et al. **Adv Enzymol** 47:275–312, 1978 (59 ref.)

PHYSIOLOGY

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

Pyruvate dehydrogenase and the hormonal regulation of fat synthesis in mammalian tissues. Denton RM, et al. **Int J Biochem** 9(8):545–52, 1978 (61 ref.)

Endocrinological control of growth. Sizonenko PC. **Postgrad Med J** 54 Suppl 1:91–106, 1978 (21 ref.)

[Development during ontogenesis of the hormone reactivity of metabolic enzyme systems and cyclic nucleotide function] Pertseva MN. **Usp Sovrem Biol** 86(2):177–91, Sep–Oct 78 (80 ref.) **(Rus)**

HORMONES, ECTOPIC

SECRETION

Spectrum of lung cancer and ectopic hormones. Yesner R. **Pathol Annu** 13(Pt. 1):207–40, 1978 (109 ref.)

HYDROXYCHOLECALCIFEROLS

PHARMACODYNAMICS

Physiological and pharmacological aspects of 24,25–dihydroxycholecalciferol in man. Russell RG, et al. **Adv Exp Med Biol** 103:487–503, 1978 (52 ref.)

THERAPEUTIC USE

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

HYPERALDOSTERONISM

METABOLISM

Prostaglandins, potassium, and Bartter's syndrome. Ferris TF. **J Lab Clin Med** 92(5):663–8, Nov 78 (34 ref.)

HYPERCALCEMIA

The pathophysiology and clinical aspects of hypercalcemic disorders. Lee DB, et al. **West J Med** 129(4):278–320, Oct 78 (582 ref.)

CHEMICALLY INDUCED

[Thiazide–induced hypercalcemia (author's transl)] Koshikawa S, et al. **Nippon Rinsho** 36(10):3374–8, Oct 78 (35 ref.) **(Jpn)**

COMPLICATIONS

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

ETIOLOGY

[Malignant tumors] Tanaka M, et al. **Nippon Rinsho** 36(10):3426–30, Oct 78 (38 ref.) **(Jpn)**

HYPERPARATHYROIDISM

COMPLICATIONS

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

ETIOLOGY

[Primary hyperparathyroidism and nephrolithiasis] Tiktinskiĭ OL. **Sov Med** (10):99–104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**

HYPERTHYROIDISM

ENZYMOLOGY

Stimulation of cardiac myosin adenosine triphosphatase in thyrotoxicosis. Morkin E. **Circ Res** 44(1):1–7, Jan 79 (50 ref.)

HYPOPARATHYROIDISM

[Idiopathic hypoparathyroidism] Kugai N, et al. **Nippon Rinsho** 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**

HYPOTHALAMIC HORMONES

PHARMACODYNAMICS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

HYPOTHALAMO–HYPOPHYSEAL SYSTEM

METABOLISM

Influence of central catecholamines on LHRH–containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69,

Aug 78 (83 ref.)

PHYSIOLOGY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

HYPOTHALAMUS

METABOLISM

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

PHYSIOLOGY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

[Mechanisms of neurotransmission regulating circadian rhythms (author's transl)] Toru M. **Tanpakushitsu Kakusan Koso** 23(11):1093–105, Oct 78 (112 ref.) **(Jpn)**

SECRETION

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

HYPOTHYROIDISM

CONGENITAL

[Hypothyroidism in the child] Job JC. **Rev Prat** 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Starr P. **Adv Lipid Res** 16:345–71, 1978 (47 ref.)

LACTATION

Control of hormone release during lactation. Voogt JL. **Clin Obstet Gynaecol** 5(2):435–55, Aug 78 (108 ref.)

LH

SECRETION

Neurohumoral control of cyclic pituitary LH and FSH release. Blake CA. **Clin Obstet Gynaecol** 5(2):305–27, Aug 78 (57 ref.)

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

LH-FSH RELEASING HORMONE

METABOLISM

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

PHYSIOLOGY

Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Ojeda SR, et al. **Clin Obstet Gynaecol** 5(2):283–303, Aug 78 (72 ref.)

LIPOTROPIN

PHYSIOLOGY

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

MEDIAN EMINENCE

METABOLISM

Influence of central catecholamines on LHRH-containing pathways. Fuxe K, et al. **Clin Obstet Gynaecol** 5(2):251–69, Aug 78 (83 ref.)

METHYLTESTOSTERONE

ANALOGS & DERIVATIVES

Calusterone. Brodkin RA, et al. **Ann Intern Med** 89(6):945–8, Dec 78 (37 ref.)

MSH

PHARMACODYNAMICS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

PHYSIOLOGY

[Recent data on the group of melanotropic and lipotropic pituitary hormones (MSH-LPH) and on the brain morphinomimetic peptides (endorphins)] Bertagna X, et al. **Ann Endocrinol (Paris)** 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**

NERVE GROWTH FACTOR

PHYSIOLOGY

Chemical control of neuronal growth--the nerve growth factor. Yu MW, et al. **Essays Neurochem Neuropharmacol** 3:33–48, 1978 (127 ref.)

OSTEOMALACIA

Osteomalacia: current concepts. Frame B, et al. **Ann Intern Med** 89(6):966–82, Dec 78 (133 ref.)

OSTEOPETROSIS

PHYSIOPATHOLOGY

Thymus and osteopetrosis. Milhaud G, et al. **Clin Orthop** (135):260–71, Sep 78 (63 ref.)

OSTEOPOROSIS

[Osteoporosis] Femppel J. **Fortschr Med** 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**

REVIEW SECTION

OVARIAN DISEASES

CHEMICALLY INDUCED

Ovarian hyperstimulation syndrome: a current survey. Schenker JG, et al. **Fertil Steril** 30(3):255–68, Sep 78 (100 ref.)

OVARIAN NEOPLASMS

Germ cell tumors of the ovary. Kurman RJ, et al. **Pathol Annu** 13(Pt. 1):291–325, 1978 (100 ref.)

CLASSIFICATION

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

METABOLISM

Methotrexate disposition in humans: case studies in ovarian cancer and following high-dose infusion. Chabner BA, et al. **Drug Metab Rev** 8(1):107–17, 1978 (14 ref.)

OVARY

PHYSIOLOGY

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

Follicular growth and development. Channing CP, et al. **Clin Obstet Gynaecol** 5(2):375–90, Aug 78 (65 ref.)

Gonadotrophins and ovarian-follicular growth. Richards JS, et al. **Clin Obstet Gynaecol** 5(2):363–73, Aug 78 (48 ref.)

OVULATION

Involvement of prostaglandins in the female reproductive cycle. Poyser NL. **Biochem Soc Trans** 6(4):718–22, 1978 (41 ref.)

Ovarian contractility and its relationship to ovulation: a review. Espey LL. **Biol Reprod** 19(3):540–51, Oct 78 (65 ref.)

PARATHYROID HORMONE

PHYSIOLOGY

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

Renal tubular effects of parathyroid hormone: an update. Puschett JB. **Clin Orthop** (135):249–59, Sep 78 (68 ref.)

PARATHYROID NEOPLASMS

COMPLICATIONS

Primary hyperparathyroidism and chronic lymphocytic leukemia. Wang JC, et al. **Cancer** 42(4):1964–9, Oct 78 (42 ref.)

PHEOCHROMOCYTOMA

PATHOLOGY

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

PINEAL BODY

PHYSIOLOGY

[Mechanisms of neurotransmission regulating circadian rhythms (author's transl)] Toru M. **Tanpakushitsu Kakusan Koso** 23(11):1093–105, Oct 78 (112 ref.) **(Jpn)**

PITUITARY GLAND

BLOOD SUPPLY

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

DRUG EFFECTS

CNS and pituitary effects of hypothalamic peptides and MSH. Kastin AJ, et al. **Essays Neurochem Neuropharmacol** 1:139–76, 1977 (211 ref.)

PITUITARY HORMONE RELEASING HORMONES

PHYSIOLOGY

Neural control of gonadotropin secretion in primates. Wiele RL, et al. **Am J Obstet Gynecol** 132(7):752–7, 1 Dec 78 (36 ref.)

Neuroendocrine aspects of neurology. Hyyppä MT, et al. **Ann Clin Res** 10(3):133–8, 1978 (36 ref.)

PITUITARY HORMONES

CEREBROSPINAL FLUID

Neuroendocrine aspects of neurology. Hyyppä MT, et al. **Ann Clin Res** 10(3):133–8, 1978 (36 ref.)

PHYSIOLOGY

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

The influence of pituitary neuropeptides on sexual behavior. Bohus B. **Probl Actuels Endocrinol Nutr** (21):235–46, 1977 (45 ref.)

PITUITARY HORMONES, ANTERIOR

SECRETION

New aspects of the control of pituitary hormone secretion. Labrie F, et al. **Ann Clin Res** 10(3):109–119, 1978 (72 ref.)

PITUITARY NEOPLASMS

Pituitary tumors and pregnancy. Magyar DM, et al. **Am J Obstet Gynecol** 132(7):739–51, 1 Dec 78 (59 ref.)

PLACENTA

PHYSIOLOGY

[Chief types of placental trophism] Subbotin MIa, et al. **Arkh Anat Gistol Embriol** 75(10):13–20, Oct 78 (60 ref.) (Eng. Abstr.) **(Rus)**

REVIEW SECTION

PROGESTATIONAL HORMONES

ADVERSE EFFECTS

Maternal progestins as a possible cause of hypospadias. Aarskog D. **N Engl J Med** 300(2):75–8, 11 Jan 79 (40 ref.)

HISTORY

The genesis of research on the progestins. Greep RO. **Ann NY Acad Sci** 286:1–9, 11 Mar 77 (60 ref.)

PHYSIOLOGY

Progesterone receptor and regulation of progestin action in mammalian tissues. Jänne O, et al. **Med Biol** 56(5):225–48, Oct 78 (136 ref.)

PROGESTERONE

METABOLISM

Nuclear binding sites ('acceptors') for progesterone in avian oviduct: characterization of the highest-affinity sites. Spelsberg TC, et al. **Ann NY Acad Sci** 286:43–63, 11 Mar 77 (55 ref.)

Progesterone binding to serum proteins. Westphal U, et al. **Ann NY Acad Sci** 286:10–28, 11 Mar 77 (50 ref.)

PHYSIOLOGY

Hormonal control of myometrial function during pregnancy and parturition. Fuchs AR. **Acta Endocrinol [Suppl] (Copenh)** (221):1–70, 1978 (121 ref.)

Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Feder HH, et al. **Ann NY Acad Sci** 286:331–54, 11 Mar 77 (136 ref.)

A role for progesterone in breast cancer. McGuire WL, et al. **Ann NY Acad Sci** 286:90–100, 11 Mar 77 (135 ref.)

Induction of oocytic maturation and differentiation: mode of progesterone action. Schuetz AW. **Ann NY Acad Sci** 286:408–20, 11 Mar 77 (60 ref.)

PROLACTIN

PHYSIOLOGY

Identification of the possible significance of prolactin in human reproduction. Tyson JE, et al. **Clin Obstet Gynaecol** 5(2):411–34, Aug 78 (129 ref.)

SECRETION

Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Porter JC, et al. **Clin Obstet Gynaecol** 5(2):271–82, Aug 78 (44 ref.)

PSEUDOHERMAPHRODITISM

FAMILIAL & GENETIC

Hereditary male pseudohermaphroditism. Griffin JE, et al. **Clin Obstet Gynaecol** 5(2):457–79, Aug 78 (53 ref.)

PSEUDOHYPOPARATHYROIDISM

URINE

Urinary phosphate and cyclic AMP in pseudohypoparathyroidism. Klahr S, et al. **Adv Exp Med Biol** 103:173–85, 1978 (34 ref.)

RENAL OSTEODYSTROPHY

DRUG THERAPY

Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Coburn JW, et al. **Adv Exp Med Biol** 103:473–86, 1978 (41 ref.)

METABOLISM

Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Ritz E, et al. **Adv Exp Med Biol** 103:423–36, 1978 (22 ref.)

RENIN

BLOOD

[Incidence of beta-blockers on plasma renin activity. Present status] Plouin PF, et al. **Nouv Presse Med** 7(31):2769–74, 20 Sep 78 (48 ref.) **(Fre)**

[Pathogenesis of arterial hypertension with a low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 18(11):5–11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

The renin system in high blood pressure, from disbelief to reality: converting-enzyme blockade for analysis and treatment. Laragh JH. **Prog Cardiovasc Dis** 21(3):159–66, Nov–Dec 78 (24 ref.)

PHYSIOLOGY

The brain renin-angiotensin system: a model for the synthesis of peptides in the brain. Ganten D, et al. **Biochem Pharmacol** 27(20):2379–89, 1978 (111 ref.)

Renin 1978. Peart WS. **Johns Hopkins Med J** 143(6):193–206, Dec 78 (161 ref.)

SEX CHROMOSOMES

[Role of Y chromosome in human sex determination] Boczkowski K. **Postepy Hig Med Dosw** 32(3):373–80, May–Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**

SEX DETERMINATION

Sex determination and differentiation in mammalian germ cells. Wai-sum O, et al. **Birth Defects** 13(2):1–12, 1977 (41 ref.)

[Role of Y chromosome in human sex determination] Boczkowski K. **Postepy Hig Med Dosw** 32(3):373–80, May–Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**

SEX DIFFERENTIATION DISORDERS

EMBRYOLOGY

Micropenis and its management. Smith DW. **Birth Defects** 13(2):147–54, 1977 (14 ref.)

SEX HORMONES

BIOSYNTHESIS

Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Winter JS, et al. **Birth Defects** 13(2):41–58, 1977 (62 ref.)

METABOLISM

[Sex hormones and homosexuality] Vague J, et al. **Probl Actuels Endocrinol Nutr** (21):197–217, 1977 (92 ref.) **(Fre)**

REVIEW SECTION

PHARMACODYNAMICS

[Analysis of criteria for the specificity of sex hormone action on liver tissue] Vedernikova NN, et al. **Usp Sovrem Biol** 86(2):283–92, Sep–Oct 78 (59 ref.) **(Rus)**

PHYSIOLOGY

[Hormones of the other sex and sex behavior] Bounhiol JJ. **Probl Actuels Endocrinol Nutr** (21):247–74, 1977 (16 ref.) **(Fre)**

[Neurohormonal interactions in the regulation of sex behavior] Soulairac A, et al. **Probl Actuels Endocrinol Nutr** (21):13–41, 1977 (71 ref.) **(Fre)**

SOMATOTROPIN RELEASE INHIBITING HORMONE

[Somatostatin] Neeb S, et al. **Med Klin** 73(43):1489–98, 27 Oct 78 (63 ref.) **(Ger)**

PHYSIOLOGY

Extrahypophyseal effects of somatostatin. Efendić S, et al. **Ann Clin Res** 10(3):151–6, 1978 (57 ref.)

Pituitary actions of somatostatin. Snow MH, et al. **Ann Clin Res** 10(3):145–50, 1978 (62 ref.)

SPIRONOLACTONE

METABOLISM

Spironolactone: disposition, metabolism, pharmacodynamics, and bioavailability. Karim A. **Drug Metab Rev** 8(1):151–88, 1978 (93 ref.)

TOXICITY

Effects in animals of chronic administration of spironolactone—a review. Lumb G, et al. **J Environ Pathol Toxicol** 1(5):641–60, May–Jun 78 (33 ref.)

STEROIDS

ANALYSIS

Steroid immunoassay in clinical chemistry. Pratt JJ. **Clin Chem** 24(11):1869–90, Nov 78 (266 ref.)

TESTICULAR NEOPLASMS

CLASSIFICATION

The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Taylor CR, et al. **Hum Pathol** 9(4):417–27, Jul 78 (51 ref.)

PATHOLOGY

Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Nochomovitz LE, et al. **Pathol Annu** 13(Pt. 1):327–62, 1978 (155 ref.)

TESTIS

EMBRYOLOGY

Testicular descent. Rajfer J, et al. **Birth Defects** 13(2):107–22, 1977 (52 ref.)

TESTOSTERONE

METABOLISM

Testosterone and cellular response. Ohno S. **Birth Defects** 13(2):99–106, 1977 (24 ref.)

PHARMACODYNAMICS

Suppressive effects on simian virus 40-induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Ohtaki S. **Cancer Res** 38(12):4698–710, Dec 78 (47 ref.)

PHYSIOLOGY

[Testosterone and sexuality in man] Legros JJ, et al. **Probl Actuels Endocrinol Nutr** (21):69–81, 1977 (30 ref.) **(Fre)**

THYROID DISEASES

ETIOLOGY

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

THYROID HORMONES

PHYSIOLOGY

Thyroid disease in relation to breast cancer. Vorherr H. **Klin Wochenschr** 56(23):1139–45, 1 Dec 78 (67 ref.)

Physiological and endocrine factors in human fetal growth. Robinson JS, et al. **Postgrad Med J** 54 Suppl 1:51–61, 1978 (84 ref.)

[Correlations between adrenal cortex and thyroid dysfunction] Goischke HK. **Med Klin** 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**

THYROID NEOPLASMS

PATHOLOGY

Multiple endocrine neoplasia, type 2b. Carney JA, et al. **Pathobiol Annu** 8:105–53, 1978 (90 ref.)

THYROIDITIS

THERAPY

[Diagnosis and therapy in thyroiditis] Hackenberg K. **Med Klin** 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**

THYROTROPIN

SECRETION

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

THYROTROPIN RELEASING HORMONE

DIAGNOSTIC USE

Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Lamberg BA, et al. **Ann Clin Res** 10(3):171–83, 1978 (182 ref.)

THYROXINE

THERAPEUTIC USE

Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Starr P. **Adv Lipid Res** 16:345–71, 1978 (47 ref.)

REVIEW SECTION

THYROXINE BINDING PROTEIN

Human thyroxine-binding globulin. Isolation and chemical properties--III. Some recent results and trends. Hocman G. **Int J Biochem** 9(9):639–46, 1978 (36 ref.)

TROPHOBLASTIC TUMOR

IMMUNOLOGY

HLA and trophoblastic tumours. Lawler SD. **Br Med Bull** 34(3):305–8, Sep 78 (16 ref.)

VITAMIN D

METABOLISM

Phosphorous depletion and vitamin D metabolism. Avioli LV. **Adv Exp Med Biol** 103:367–72, 1978 (25 ref.)

Vitamin D and the syndromes of azotaemic osteodystrophy. Stanbury SW. **Contrib Nephrol** 13:132–46, 1978 (57 ref.)

[Activation of vitamin D and its control in the kidney] Horiuchi N. **Nippon Rinsho** 36(10):3319–23, Oct 78 (33 ref.) **(Jpn)**

PHYSIOLOGY

Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Popovtzer MM, et al. **Adv Exp Med Biol** 103:11–9, 1978 (31 ref.)

METHOD SECTION

ASCORBIC ACID

The preparation of pregnancy urine for an estrogen profile. Cohen SL, et al. **Steroids** 32(2):279–93, Sep 78
AMMONIUM SULFATE/ ASCORBIC ACID/ CHROMATOGRAPHY, GAS/ *ESTROGENS, urine/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ METHODS/ *PREGNANCY/ TRIMETHYLSILYL COMPOUNDS

AUTORADIOGRAPHY

METHODS

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765–71, Oct 78
ANIMAL/ ANTIBODIES/ AUTORADIOGRAPHY, methods/ COMPARATIVE STUDY/ *HISTOCYTOCHEMISTRY, methods/ IODINE RADIOISOTOPES/ MICROSCOPY, ELECTRON/ RATS/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, immunology/ *THYROID GLAND, analysis/ THYROID GLAND, ultrastructure

BIOLOGICAL ASSAY

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ COMPARATIVE STUDY/ DOGS/ HUMAN/ KINETICS/ RADIOIMMUNOASSAY, methods/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133–42, 1978
ANIMAL/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ FEMALE/ *FSH, analysis/ FSH, pharmacodynamics/ FSH, standards/ GONADOTROPINS, CHORIONIC, diagnostic use/ METHODS/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ RATS/ REFERENCE STANDARDS/ SHEEP/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

INSTRUMENTATION

Bioassay of prostaglandins and biologically active substances derived from arachidonic acid. Moncada S, et al. **Adv Prostaglandin Thromboxane Res** 5:211–36, 1978
ANIMAL/ *ARACHIDONIC ACIDS, analysis/ ARACHIDONIC ACIDS, isolation & purification/ ARACHIDONIC ACIDS, pharmacodynamics/ BIOLOGICAL ASSAY, instrumentation/ BIOLOGICAL ASSAY, methods/ DRUG ANTAGONISM/ HUMAN/ IN VITRO/ METHODS/ ORGAN SPECIFICITY/ PERFUSION, instrumentation/ PERFUSION, methods/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

METHODS

Bioassay of prostaglandins and biologically active substances derived from arachidonic acid. Moncada S, et al. **Adv Prostaglandin Thromboxane Res** 5:211–36, 1978
ANIMAL/ *ARACHIDONIC ACIDS, analysis/ ARACHIDONIC ACIDS, isolation & purification/ ARACHIDONIC ACIDS, pharmacodynamics/ BIOLOGICAL ASSAY, instrumentation/ BIOLOGICAL ASSAY, methods/ DRUG ANTAGONISM/ HUMAN/ IN VITRO/ METHODS/ ORGAN SPECIFICITY/ PERFUSION, instrumentation/ PERFUSION, methods/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

A sensitive bioassay of parathyroid hormone in plasma. Chambers DJ, et al. **Clin Endocrinol (Oxf)** 9(4):375–9, Oct 78
ANIMAL/ BIOLOGICAL ASSAY, methods/ ENZYME ACTIVATION, drug effects/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ HUMAN/ IN VITRO/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, DISTAL, enzymology/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, pharmacodynamics

Preliminary studies with the sensitive cytochemical assay for parathyroid hormone. Fenton S, et al. **Clin Endocrinol (Oxf)** 9(4):381–4, Oct 78
ADULT/ AGED/ ANIMAL/ BIOLOGICAL ASSAY, methods/ CALCIUM, blood/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPOPARATHYROIDISM, blood/ KIDNEY TUBULES, DISTAL, enzymology/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood

[Determination of somatomedin in the blood using the protein content of the cultured chondrocytes as an indicator] Kawano S, et al. **Horumon To Rinsho** 26(11):1116–9, Nov 78 **(Jpn)**
*BIOLOGICAL ASSAY, methods/ *CARTILAGE, cytology/ CARTILAGE, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ *PROTEINS, analysis/ *SOMATOMEDIN, blood

[Method of quantitative determination of natriuretic factor in biological fluids] Kosuba RB, et al. **Biull Eksp Biol Med** 86(11):624–5, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BIOLOGICAL ASSAY, methods/ ENGLISH ABSTRACT/ *HORMONES, blood/ HORMONES, pharmacodynamics/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ *NATRIURESIS/ RABBITS/ RATS

BODY WEIGHT

Evidence for pleiomorphism of luteinizing hormone in peripubertal female rats. ter Haar MB, et al. **J Endocrinol** 79(1):133–4, Oct 78
ANIMAL/ BODY WEIGHT/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ LH, blood/ *LH, physiology/ RADIOIMMUNOASSAY, methods/ RATS/ *SEX MATURATION

CENTRIFUGATION

INSTRUMENTATION

[Method of determination of adrenaline, noradrenaline, DOPA and dopamine in a single urine sample] Vinnitskiĭ VB, et al. **Lab Delo** (11):688–90, 1978 **(Rus)**
*CATECHOLAMINES, urine/ CENTRIFUGATION, instrumentation/ *CENTRIFUGATION, methods/ DOPA, urine/ EPINEPHRINE, urine/ HUMAN/ NOREPINEPHRINE, urine/ SPECIMEN HANDLING, methods

METHODS

[Method of determination of adrenaline, noradrenaline, DOPA and dopamine in a single urine sample] Vinnitskiĭ VB, et al. **Lab Delo** (11):688–90, 1978 **(Rus)**
*CATECHOLAMINES, urine/ CENTRIFUGATION, instrumentation/ *CENTRIFUGATION, methods/ DOPA, urine/ EPINEPHRINE, urine/ HUMAN/ NOREPINEPHRINE, urine/ SPECIMEN HANDLING, methods

CHEMISTRY

Direct determination of steroidal sulfates. Touchstone JC, et al. **J Steroid Biochem** 6(10):1389–92, Oct 75
CHEMISTRY/ CHROMATOGRAPHY, GAS/ FEMALE/ FETAL BLOOD, analysis/ HORMONES, analysis/ HUMAN/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTRUM ANALYSIS, MASS, methods/ *STEROIDS, analysis/ *SULFURIC ACID ESTERS, analysis/ *SULFURIC ACIDS, analysis

CHEMISTRY, CLINICAL

Steroid immunoassay in clinical chemistry. Pratt JJ. **Clin Chem** 24(11):1869–90, Nov 78 (266 ref.)
ANIMAL/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ ANTIGEN–ANTIBODY REACTIONS/ CHEMISTRY, CLINICAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ HUMAN/ IMMUNOENZYME TECHNICS/ IODINE RADIOISOTOPES/ MATHEMATICS/ QUALITY CONTROL/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ REVIEW/ *STEROIDS, analysis/ TRITIUM

CHROMATOGRAPHY

METHODS

Human pituitary thyrotropin. Isolation of alpha and beta subunits by hydrophobic interaction chromatography. Jacobson G, et al. **Biochim Biophys Acta** 536(2):363–75, 23 Oct 78
AMINO ACIDS, analysis/ CHROMATOGRAPHY, methods/ ELECTROPHORESIS, methods/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ MACROMOLECULAR SYSTEMS/ PEPTIDES, analysis/ SOLUBILITY/ *THYROTROPIN, analysis

Separation of cyclic AMP and cyclic GMP from thymidine, electrolytes and polyvalent nucleotides in tissue samples. Roberson GM, et al. **Biochim Biophys Acta** 544(1):20–8, 15 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ ALUMINUM OXIDE/ ANIMAL/ CHROMATOGRAPHY, methods/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ KIDNEY, analysis/ NUCLEOTIDES, isolation & purification/ RATS/ *THYMIDINE, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Critical assessment of celite column chromatography in a multiple steroid radioimmunoassay system. Facchinetti F, et al. **J Nucl Med Allied Sci** 22(2):61–6, Apr–Jun 78
*CHROMATOGRAPHY, methods/ FEMALE/ HUMAN/ RADIOIMMUNOASSAY, methods/ *STEROIDS, blood

CHROMATOGRAPHY, AFFINITY

Radioimmmunoassay for melatonin in human serum. Thoresen TS. **Scand J Clin Lab Invest** 38(7):687–92, Nov 78
ANTIGENS/ CHROMATOGRAPHY, AFFINITY/ CROSS REACTIONS/ HUMAN/ IMMUNE SERUMS/ *MELATONIN, blood/ *RADIOIMMUNOASSAY, methods

CHROMATOGRAPHY, GAS

Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography––mass spectrometry. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:39–94, 1978
ACETYLATION/ ANIMAL/ ARACHIDONIC ACIDS, blood/ ARACHIDONIC ACIDS, chemical synthesis/ BLOOD PLATELETS, metabolism/ CHROMATOGRAPHY, GAS/ DEUTERIUM, diagnostic use/ DIAZOMETHANE/ HUMAN/ ISOTOPE LABELING/ METHODS/ METHYLATION/ *PROSTAGLANDINS X, analysis/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, chemical synthesis/ PROSTANOIC ACIDS, chemical synthesis/ SPECTRUM ANALYSIS, MASS/ *THROMBOXANES, analysis/ THROMBOXANES, chemical synthesis/ TRIMETHYLSILYL COMPOUNDS, chemical synthesis/ TRITIUM, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

An improved method based on the Porter––Silber reaction for determining 17-hydroxycorticosteroids in urine. Furuya E, et al. **Anal Biochem** 90(2):644–50, 15 Oct 78
ADULT/ ALCOHOL, ETHYL/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ METHODS/ PREGNANCY/ SULFURIC ACIDS/ *17-HYDROXYCORTICOSTEROIDS, urine

Electron impact and chemical ionization mass spectrometry of steroidal spirolactones. Boreham DR, et al. **Biomed Mass Spectrom** 5(9):524–30, Sep 78
AMMONIA/ CHROMATOGRAPHY, GAS/ IONS/ METHANE/ SPECTRUM ANALYSIS, MASS, methods/ *SPIRONOLACTONE, analogs & derivatives/ SPIRONOLACTONE, analysis/ STEROIDS, analysis/ TRIMETHYLSILYL COMPOUNDS, analysis

New derivatives of prostaglandin A1 and specific detection of prostaglandin A's and 19Ohydroxylated prostaglandin A's in human semen. Roselló J, et al. **Biomed Mass Spectrom** 5(9):531–5, Sep 78
AZEPINES, analysis/ CHROMATOGRAPHY, GAS/ HUMAN/ HYDROXYLATION/ MALE/ METHODS/ MORPHOLINES, analysis/ PIPERIDINES, analysis/ *PROSTAGLANDINS A, analysis/ PYRROLIDINES, analysis/ *SEMEN, analysis/ SPECTRUM ANALYSIS, MASS/ TRIMETHYLSILYL COMPOUNDS, analysis

Direct determination of steroidal sulfates. Touchstone JC, et al. **J Steroid Biochem** 6(10):1389–92, Oct 75
CHEMISTRY/ CHROMATOGRAPHY, GAS/ FEMALE/ FETAL BLOOD, analysis/ HORMONES, analysis/ HUMAN/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED, methods/

SPECTRUM ANALYSIS, MASS, methods/ *STEROIDS, analysis/ *SULFURIC ACID ESTERS, analysis/ *SULFURIC ACIDS, analysis

The preparation of pregnancy urine for an estrogen profile. Cohen SL, et al. **Steroids** 32(2):279–93, Sep 78
AMMONIUM SULFATE/ ASCORBIC ACID/ CHROMATOGRAPHY, GAS/ *ESTROGENS, urine/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ METHODS/ *PREGNANCY/ TRIMETHYLSILYL COMPOUNDS

METHODS

Gas chromatography of the prostaglandins. Fitzpatrick FA. **Adv Prostaglandin Thromboxane Res** 5:95–118, 1978
ANIMAL/ CHROMATOGRAPHY, GAS, methods/ FLAME IONIZATION/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, chemical synthesis

Quantitative analysis of steroid profiles from urine by capillary gas chromatography. I. Accuracy and reproducibility of the sample preparation. Leunissen WJ, et al. **J Chromatogr** 146(3):365–80, 1 Nov 78
ADULT/ CHROMATOGRAPHY, GAS, methods/ *CUSHING'S SYNDROME, urine/ HUMAN/ HYDROLYSIS/ MALE/ *STEROIDS, urine/ TRIMETHYLSILYL COMPOUNDS, urine

High-resolution biomedical gas chromatography. Study of urinary steroid metabolite ratios of women with breast lesions using open-tubular glass capillary columns. Pfaffenberger CD, et al. **J Chromatogr** 158:313–30, 1 Oct 78
ADULT/ AGE FACTORS/ AGED/ ANDROSTERONE, urine/ *BREAST DISEASES, urine/ *BREAST NEOPLASMS, urine/ CHROMATOGRAPHY, GAS, methods/ *CYSTIC FIBROSIS, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *STEROIDS, urine/ TETRAHYDROCORTISOL, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Identification of the androstenetriolones and androstenetetrols present in the urine of infants. Shackleton CH, et al. **J Steroid Biochem** 6(10):1393–9, Oct 75
*ANDROSTENOLS, urine/ CHROMATOGRAPHY, GAS, methods/ HUMAN/ INFANT/ KETOSTEROIDS, urine/ SPECTRUM ANALYSIS, MASS, methods/ STRUCTURE-ACTIVITY RELATIONSHIP

Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron-capture gas-liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78
ANIMAL/ *CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID/ ESTERIFICATION/ ESTERS, analysis/ KIDNEY, analysis/ PROSTAGLANDINS A, analysis/ PROSTAGLANDINS B, analysis/ PROSTAGLANDINS E, analysis/ PROSTAGLANDINS F, analysis/ *PROSTAGLANDINS, analysis/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

[Gas chromatographic determination of urinary 17-ketosteroids in normal adults of various ages] Loré F. **Minerva Med** 69(43):2927–42, 19 Sep 78 (Eng. Abstr.) **(Ita)**
ADULT/ AGE FACTORS/ AGED/ *CHROMATOGRAPHY, GAS, methods/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREGNANES, urine/ 17-KETOSTEROIDS, analysis/ *17-KETOSTEROIDS, urine

[A method of estrogens determination in urine by gas-liquid chromatography with application to everyday clinical practice] Campos ME, et al. **Rev Clin Esp** 150(3–4):133–5, Aug 78 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID, methods/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ HUMAN

CHROMATOGRAPHY, GEL

Steroid immunoassay in clinical chemistry. Pratt JJ. **Clin Chem** 24(11):1869–90, Nov 78 (266 ref.)
ANIMAL/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CHEMISTRY, CLINICAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ HUMAN/ IMMUNOENZYME TECHNICS/ IODINE RADIOISOTOPES/ MATHEMATICS/ QUALITY CONTROL/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ REVIEW/ *STEROIDS, analysis/ TRITIUM

Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Faber J, et al. **Clin Endocrinol (Oxf)** 9(3):279–82, Sep 78
ADOLESCENCE/ ADULT/ AGED/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, urine/ HYPOTHYROIDISM, urine/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ *TRIIODOTHYRONINE, urine/ *TRIIODOTHYRONINE, REVERSE, urine

A sensitive radioimmunoassay for 6-keto-prostaglandin F1alpha: preliminary observations on circulating concentrations. Mitchell MD. **Prostaglandins Med** 1(1):13–21, Jul 78
ANIMAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ FEMALE/ HUMAN/ MALE/ METHODS/ MONKEYS/ *PROSTAGLANDINS F, blood/ *PROSTAGLANDINS X, blood/ *PROSTAGLANDINS, blood/ RABBITS/ RADIOIMMUNOASSAY/ RHESUS MONKEYS/ SHEEP

[Studies on the glucocorticoid receptor in rat brain cytosol (author's transl)] Tsuboi S. **Nippon Naibunpi Gakkai Zasshi** 54(8):966–79, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
ABSORPTION/ ANIMAL/ *BRAIN CHEMISTRY/ CHROMATOGRAPHY, GEL/ *CYTOSOL, analysis/ ENGLISH ABSTRACT/ MALE/ METHODS/ PRECIPITATION/ RATS/ *RECEPTORS, GLUCOCORTICOID, analysis/ *RECEPTORS, STEROID, analysis

METHODS

Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:15–38, 1978
CHROMATOGRAPHY, GEL, methods/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ ION EXCHANGE RESINS/ METHODS/ *PROSTAGLANDINS X, isolation & purification/ *PROSTAGLANDINS, isolation & purification/ SILICIC ACID/ SOLVENTS/ *THROMBOXANES, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Estimation of free triiodothyronine in serum: a new method and its clinical relevance. Siegel L, et al. **Clin Chem** 24(11):1891–4, Nov 78
CHROMATOGRAPHY, GEL, methods/ COMPARATIVE STUDY/ DIALYSIS/ HUMAN/ THYROID DISEASES, diagnosis/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

CHROMATOGRAPHY, HIGH SPEED LIQUID

Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Gréen K, et al. **Adv Prostaglandin Thromboxane Res** 5:15–38, 1978
CHROMATOGRAPHY, GEL, methods/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ ION EXCHANGE RESINS/ METHODS/ *PROSTAGLANDINS X, isolation & purification/ *PROSTAGLANDINS, isolation & purification/ SILICIC ACID/ SOLVENTS/ *THROMBOXANES, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

A high pressure liquid chromatographic method for the quantitation of sub-microgram amounts of zearalenone (F-2) in agricultural products. Malaiyandi M, et al.

J Environ Sci Health [B] 13(4):381–400, 1978
ANIMAL FEED, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CORN, analysis/ METHODS/ MICROCHEMISTRY/ OILS, analysis/ *PLANTS, EDIBLE, analysis/ *RESORCINOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ *ZEARALENONE, analysis

High-pressure liquid chromatographic determination of plasma dobutamine concentrations. McKennon DW, et al. **J Pharm Sci** 67(12):1756–7, Dec 78
*CATECHOLAMINES, blood/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ *DOBUTAMINE, blood/ HUMAN/ METHODS/ UNITED STATES GOV'T SUPPORTED

High-pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. Roos RW. **J Pharm Sci** 67(12):1735–9, Dec 78
CHROMATOGRAPHY, HIGH SPEED LIQUID/ DANSYL COMPOUNDS, analysis/ ESTRADIOL, analysis/ *ESTROGENS, analysis/ *ESTROGENS, SYNTHETIC, analysis/ ESTRONE, analysis/ ETHINYL ESTRADIOL, analysis/ METHODS/ SOLUTIONS, analysis/ SUSPENSIONS, analysis/ TABLETS, analysis

METHODS

Analysis of steroidal carboxylic acids by high pressure liquid chromatography. Farhi RL, et al. **Anal Biochem** 90(1):58–68, 1 Oct 78
CARBOXYLIC ACIDS, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STEROIDS, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP

Improved liquid chromatographic determination of placental estriol in urine. Gotelli GR, et al. **Clin Chem** 24(12):2132–4, Dec 78
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ *ESTRIOL, urine/ FEMALE/ HUMAN/ MALE/ *PLACENTA, metabolism/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

CHROMATOGRAPHY, ION EXCHANGE

METHODS

Serum thyrotropin releasing hormone (TRH)-degrading activity: a sensitive and rapid radiochemical assay procedure. Neary JT, et al. **Clin Chim Acta** 90(1):61–70, 15 Nov 78
ANIMAL/ ANIMALS, NEWBORN/ CHROMATOGRAPHY, ION EXCHANGE, methods/ HUMAN/ KINETICS/ PROLINE, blood/ RATS/ *THYROTROPIN RELEASING HORMONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

CHROMATOGRAPHY, LIQUID

A sensitive method for the determination of plasma catecholamines using liquid chromatography with electrochemical detection. Hallman H, et al. **Life Sci** 23(10):1049–52, 11 Sep 78
ADULT/ *CATECHOLAMINES, blood/ CHROMATOGRAPHY, LIQUID/ ELECTROCHEMISTRY/ HUMAN/ MALE/ METHODS

Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron-capture gas-liquid chromatography. Skrinska VA, et al. **Prostaglandins** 16(4):571–82, Oct 78
ANIMAL/ *CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID/ ESTERIFICATION/ ESTERS, analysis/ KIDNEY, analysis/ PROSTAGLANDINS A, analysis/ PROSTAGLANDINS B, analysis/ PROSTAGLANDINS E, analysis/ PROSTAGLANDINS F, analysis/ *PROSTAGLANDINS, analysis/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

METHODS

Application of a newly developed electrochemical detector for liquid chromatography to the assay of brain catecholamines. Maruyama Y, et al.
Prog Neuropsychopharmacol 2(1):73–8, 1978
ANIMAL/ *BRAIN CHEMISTRY/ *CHROMATOGRAPHY, LIQUID, methods/ *DOPAMINE, analysis/ ELECTROCHEMISTRY, instrumentation/ MICE/ MICROWAVES/ *NOREPINEPHRINE, analysis/ RATS

[A method of estrogens determination in urine by gas-liquid chromatography with application to everyday clinical practice] Campos ME, et al. **Rev Clin Esp** 150(3–4):133–5, Aug 78 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID, methods/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ HUMAN

CHROMATOGRAPHY, THIN LAYER

Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Gréen K, et al.
Adv Prostaglandin Thromboxane Res 5:15–38, 1978
CHROMATOGRAPHY, GEL, methods/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ ION EXCHANGE RESINS/ METHODS/ *PROSTAGLANDINS X, isolation & purification/ *PROSTAGLANDINS, isolation & purification/ SILICIC ACID/ SOLVENTS/ *THROMBOXANES, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

METHODS

An improved method for extraction and determination of prostate concentrations of endogenous androgens. Albert J, et al. **J Steroid Biochem** 9(8):717–20, Aug 78
*ANDROGENS, analysis/ ANDROSTENEDIONE, analysis/ CHROMATOGRAPHY, THIN LAYER, methods/ HUMAN/ MALE/ *PROSTATE, analysis/ STANOLONE, analysis/ TESTOSTERONE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

The use of iodinated steroid as radioligand for testosterone radioimmunoassay. Hampl R, et al. **J Steroid Biochem** 9(8):771–3, Aug 78
CHROMATOGRAPHY, THIN LAYER, methods/ CROSS REACTIONS/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY, methods/ *TESTOSTERONE, analysis

COLORIMETRY

METHODS

Extraction of Kober chromogen into tetrachloroethane containing trichloroacetic acid in determination of urinary estrogens during pregnancy [letter] Yang NY, et al.
Clin Chem 24(12):2217, Dec 78
COLORIMETRY, methods/ *ESTROGENS, urine/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ *PREGNANCY

COMPARATIVE STUDY

Motilin-, substance P- and somatostatin-like immunoreactivities in extracts from dog, tupaia and monkey brain and GI tract. Yanaihara C, et al.
Adv Exp Med Biol 106:269–83, 1978
ANIMAL/ ANTIBODY SPECIFICITY/ BRAIN CHEMISTRY/ *BRAIN, immunology/ COMPARATIVE STUDY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTROINTESTINAL HORMONES, immunology/ GASTROINTESTINAL SYSTEM, analysis/ *GASTROINTESTINAL SYSTEM, immunology/ HUMAN/ MONKEYS/ MOTILIN, analysis/ *MOTILIN, immunology/ RADIOIMMUNOASSAY, methods/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ *SOMATOTROPIN RELEASE

INHIBITING HORMONE, immunology/ SPECIES SPECIFICITY/ SUBSTANCE P, analysis/ *SUBSTANCE P, immunology/ TISSUE EXTRACTS, analysis/ TISSUE EXTRACTS, immunology/ TREE SHREWS

An improved method based on the Porter--Silber reaction for determining 17-hydroxycorticosteroids in urine. Furuya E, et al. **Anal Biochem** 90(2):644–50, 15 Oct 78
ADULT/ ALCOHOL, ETHYL/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ METHODS/ PREGNANCY/ SULFURIC ACIDS/ *17-HYDROXYCORTICOSTEROIDS, urine

A one-tube micromethod for radioimmunoassay of plasma cortisol. Ellis G, et al. **Clin Chem** 24(11):1954–7, Nov 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT/ MALE/ MICROCHEMISTRY/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ TRANSCORTIN

An improved enzyme immunoassay for progesterone in human plasma. Joyce BG, et al. **Clin Chem** 24(12):2099–102, Dec 78
COMPARATIVE STUDY/ CROSS REACTIONS/ HORSERADISH PEROXIDASE/ HUMAN/ IMMUNOENZYME TECHNICS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY, methods

Estimation of free triiodothyronine in serum: a new method and its clinical relevance. Siegel L, et al. **Clin Chem** 24(11):1891–4, Nov 78
CHROMATOGRAPHY, GEL, methods/ COMPARATIVE STUDY/ DIALYSIS/ HUMAN/ THYROID DISEASES, diagnosis/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

Evaluation of a radioimmunoassay for plasma adrenocorticotrophin. Marton J, et al. **J Endocrinol** 78(3):309–19, Sep 78
ANIMAL/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ EVALUATION STUDIES/ RABBITS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ RATS

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765–71, Oct 78
ANIMAL/ ANTIBODIES/ AUTORADIOGRAPHY, methods/ COMPARATIVE STUDY/ *HISTOCYTOCHEMISTRY, methods/ IODINE RADIOISOTOPES/ MICROSCOPY, ELECTRON/ RATS/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, immunology/ *THYROID GLAND, analysis/ THYROID GLAND, ultrastructure

Evaluation of a new immobilized-antibody radioimmunoassay of plasma cortisol: comparison with two previous solid-phase procedures. Del Chicca MG, et al. **J Nucl Med Allied Sci** 22(2):97–100, Apr–Jun 78
ANTIBODIES/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Diagnosis of hyperprolactinaemia. Jeffcoate SL. **Lancet** 2(8102):1245–7, 9 Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANALYSIS OF VARIANCE/ COMPARATIVE STUDY/ DIAGNOSTIC ERRORS/ FEMALE/ GREAT BRITAIN/ HUMAN/ IMMUNOASSAY, methods/ MALE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ *PROLACTIN, blood/ QUALITY CONTROL/ STRESS, blood

Simultaneous radioenzymatic assay of catecholamines and dihydroxy-phenylacetic acid /DOPAC/; comparison of the effects of drugs on the tuberoinfundibular and striatal dopamine metabolism and on plasma prolactin level. Fekete MI, et al. **Life Sci** 23(15):1549–56, 16 Oct 78
ANIMAL/ CATECHOL METHYLTRANSFERASE, diagnostic use/ *CATECHOLAMINES, analysis/ COMPARATIVE STUDY/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ MALE/ MEDIAN EMINENCE, drug effects/ *MEDIAN EMINENCE, metabolism/ METHODS/ *PHENYLACETATES, analysis/ *PROLACTIN, blood/ RATS/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ TRITIUM, diagnostic use/ *3,4-DIHYDROXYPHENYLACETIC ACID, analysis

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ COMPARATIVE STUDY/ DOGS/ HUMAN/ KINETICS/ RADIOIMMUNOASSAY, methods/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. Danowski TS, et al. **PDM** 7(9–12)8(1–8):17–9, Jan–Dec 76
ADULT/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, diagnostic use/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133–42, 1978
ANIMAL/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ FEMALE/ *FSH, analysis/ FSH, pharmacodynamics/ FSH, standards/ GONADOTROPINS, CHORIONIC, diagnostic use/ METHODS/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ RATS/ REFERENCE STANDARDS/ SHEEP/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

[The use of thyreoliberin VUFB in a peroral TRH test in thyroid gland function disorders (author's transl)] Felt V, et al. **Cas Lek Cesk** 117(38–39):1187–90, 29 Sep 78 (Eng. Abstr.) **(Cze)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *THYROID DISEASES, diagnosis/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood

[A comparison of six commercially available thyrotropin radioimmunoassay kits (author's transl)] Leicht E, et al. **J Clin Chem Clin Biochem** 16(10):551–5, Oct 78 (Eng. Abstr.) **(Ger)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ RADIOIMMUNOASSAY, instrumentation/ *THYROTROPIN, analysis

DENSITOMETRY

METHODS

[Ultrasonic osteometry in the orthopedic treatment of parodontosis] Shirshov IuS, et al. **Stomatologiia (Mosk)** 57(6):58–60, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ CHRONIC DISEASE/ DENSITOMETRY, methods/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MANDIBLE, analysis/ MIDDLE AGE/ *ORTHODONTICS, methods/ *PERIODONTAL DISEASES, diagnosis/ PERIODONTAL DISEASES, therapy/ *ULTRASONICS, diagnostic use

DENSITOMETRY, X-RAY

Compact bone mineral density of the normal human radius. Meema HE, et al. **Acta Radiol [Ther] (Stockh)** 17(4):342–52, 1978
ADULT/ AGE FACTORS/ AGED/ *BONE AND BONES, analysis/ BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *MINERALS, analysis/ SEX FACTORS

METHODS

Quantitative measurement of fractional bone volume using digital scanning videodensitometry. Robb RA, et al. **Calcif Tissue Res** 25(3):265–71, 18 Aug 78
AGE FACTORS/ BIOPSY/ *BONE AND BONES, anatomy & histology/ COMPUTERS/ *DENSITOMETRY, X-RAY, methods/ HUMAN/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

DIALYSIS

Estimation of free triiodothyronine in serum: a new method and its clinical relevance. Siegel L, et al. **Clin Chem** 24(11):1891–4, Nov 78
CHROMATOGRAPHY, GEL, methods/ COMPARATIVE STUDY/ DIALYSIS/ HUMAN/ THYROID DISEASES, diagnosis/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

ELECTROPHORESIS

METHODS

Human pituitary thyrotropin. Isolation of alpha and beta subunits by hydrophobic interaction chromatography. Jacobson G, et al. **Biochim Biophys Acta** 536(2):363–75, 23 Oct 78
AMINO ACIDS, analysis/ CHROMATOGRAPHY, methods/ ELECTROPHORESIS, methods/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ MACROMOLECULAR SYSTEMS/ PEPTIDES, analysis/ SOLUBILITY/ *THYROTROPIN, analysis

ELECTROPHORESIS, POLYACRYLAMIDE GEL

Human pituitary thyrotropin. Isolation of alpha and beta subunits by hydrophobic interaction chromatography. Jacobson G, et al. **Biochim Biophys Acta** 536(2):363–75, 23 Oct 78
AMINO ACIDS, analysis/ CHROMATOGRAPHY, methods/ ELECTROPHORESIS, methods/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ MACROMOLECULAR SYSTEMS/ PEPTIDES, analysis/ SOLUBILITY/ *THYROTROPIN, analysis

FLAME IONIZATION

Gas chromatography of the prostaglandins. Fitzpatrick FA. **Adv Prostaglandin Thromboxane Res** 5:95–118, 1978
ANIMAL/ CHROMATOGRAPHY, GAS, methods/ FLAME IONIZATION/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, chemical synthesis

FLUORESCENCE

Aqueous aldehyde (Faglu) methods for the fluorescence histochemical localization of catecholamines and for ultrastructural studies of central nervous tissue. Furness JB, et al. **Histochemistry** 57(4):285–95, 28 Sep 78
ANIMAL/ *BRAIN CHEMISTRY/ BRAIN, ultrastructure/ *CATECHOLAMINES, analysis/ CYTOPLASM, ultrastructure/ FLUORESCENCE/ FORMALDEHYDE, diagnostic use/ GLUTARALDEHYDE, diagnostic use/ *HISTOCYTOCHEMISTRY, methods/ *NEURONS, ultrastructure/ RATS/ SYNAPSES, ultrastructure

HISTOCYTOCHEMISTRY

METHODS

Aqueous aldehyde (Faglu) methods for the fluorescence histochemical localization of catecholamines and for ultrastructural studies of central nervous tissue. Furness JB, et al. **Histochemistry** 57(4):285–95, 28 Sep 78
ANIMAL/ *BRAIN CHEMISTRY/ BRAIN, ultrastructure/ *CATECHOLAMINES, analysis/ CYTOPLASM, ultrastructure/ FLUORESCENCE/ FORMALDEHYDE, diagnostic use/ GLUTARALDEHYDE, diagnostic use/ *HISTOCYTOCHEMISTRY, methods/ *NEURONS, ultrastructure/ RATS/ SYNAPSES, ultrastructure

Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. Paiement JM, et al. **J Histochem Cytochem** 26(10):765–71, Oct 78
ANIMAL/ ANTIBODIES/ AUTORADIOGRAPHY, methods/ COMPARATIVE STUDY/ *HISTOCYTOCHEMISTRY, methods/ IODINE RADIOISOTOPES/ MICROSCOPY, ELECTRON/ RATS/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, immunology/ *THYROID GLAND, analysis/ THYROID GLAND, ultrastructure

[Cyto-immuno-enzymological localization trial of steroid hormones in the female ovarian corpus luteum (author's transl)] Benkoël L, et al. **Cell Mol Biol** 23(2):191–5, 1978 (Eng. Abstr.) **(Fre)**
*CORPUS LUTEUM, analysis/ CORPUS LUTEUM, ultrastructure/ ENGLISH ABSTRACT/ *ESTRADIOL, isolation & purification/ FEMALE/ *HISTOCYTOCHEMISTRY, methods/ HUMAN/ *OVARY, anatomy & histology/ *PROGESTERONE, isolation & purification

IMMUNOASSAY

METHODS

Diagnosis of hyperprolactinaemia. Jeffcoate SL. **Lancet** 2(8102):1245–7, 9 Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANALYSIS OF VARIANCE/ COMPARATIVE STUDY/ DIAGNOSTIC ERRORS/ FEMALE/ GREAT BRITAIN/ HUMAN/ IMMUNOASSAY, methods/ MALE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ *PROLACTIN, blood/ QUALITY CONTROL/ STRESS, blood

ION EXCHANGE RESINS

Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Gréen K, et al.
Adv Prostaglandin Thromboxane Res 5:15–38, 1978
CHROMATOGRAPHY, GEL, methods/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ ION EXCHANGE RESINS/ METHODS/ *PROSTAGLANDINS X, isolation & purification/ *PROSTAGLANDINS, isolation & purification/ SILICIC ACID/ SOLVENTS/ *THROMBOXANES, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

The talc-resin-TCA test: rapid screening of radioiodinated polypeptide hormones for radioimmunoassay. Tower BB, et al. **Life Sci** 23(22):2183–92, 27 Nov 78
ADSORPTION/ *ANION EXCHANGE RESINS/ *HORMONES, analysis/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ *ION EXCHANGE RESINS/ ISOTOPE LABELING/ *PEPTIDES, analysis/ PRECIPITATION/ RADIOIMMUNOASSAY, methods/ RATS/ *TALC/ *TRICHLOROACETIC ACID/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

MASS FRAGMENTOGRAPHY

METHODS

[A simple method for the simultaneous analysis of r-T3 and 33'-T2 by mass fragmentography using GC-MS. (Part II. Mass fragmentographic identification of 33'-T2 and r-T3 in biological fluids) (author's transl)] Heki N.
Nippon Naibunpi Gakkai Zasshi 54(10):1157-62, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *DIIODOTHYRONINES, analysis/ ENGLISH ABSTRACT/ HUMAN/ *MASS FRAGMENTOGRAPHY, methods/ RATS/ *THYRONINES, analysis/ *TRIIODOTHYRONINE, analysis

MICROCHEMISTRY

A one-tube micromethod for radioimmunoassay of plasma cortisol. Ellis G, et al. **Clin Chem** 24(11):1954-7, Nov 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT/ MALE/ MICROCHEMISTRY/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ TRANSCORTIN

A high pressure liquid chromatographic method for the quantitation of sub-microgram amounts of zearalenone (F-2) in agricultural products. Malaiyandi M, et al.
J Environ Sci Health [B] 13(4):381-400, 1978
ANIMAL FEED, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CORN, analysis/ METHODS/ MICROCHEMISTRY/ OILS, analysis/ *PLANTS, EDIBLE, analysis/ *RESORCINOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ *ZEARALENONE, analysis

METHODS

[Assay of total blood estriol from capillary blood and by a micromethod (letter)] Deltour G, et al.
Nouv Presse Med 7(32):2873, 23 Sep 78 **(Fre)**
CAPILLARIES/ *ESTRIOL, blood/ FEMALE/ HUMAN/ MICROCHEMISTRY, methods/ PREGNANCY

ORGAN WEIGHT

DRUG EFFECTS

Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Jacobs MM, et al. **Tex Rep Biol Med** 36:133-42, 1978
ANIMAL/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ FEMALE/ *FSH, analysis/ FSH, pharmacodynamics/ FSH, standards/ GONADOTROPINS, CHORIONIC, diagnostic use/ METHODS/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ RATS/ REFERENCE STANDARDS/ SHEEP/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

PRECIPITATION

The talc-resin-TCA test: rapid screening of radioiodinated polypeptide hormones for radioimmunoassay. Tower BB, et al. **Life Sci** 23(22):2183-92, 27 Nov 78
ADSORPTION/ *ANION EXCHANGE RESINS/ *HORMONES, analysis/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ *ION EXCHANGE RESINS/ ISOTOPE LABELING/ *PEPTIDES, analysis/ PRECIPITATION/ RADIOIMMUNOASSAY, methods/ RATS/ *TALC/ *TRICHLOROACETIC ACID/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

[Studies on the glucocorticoid receptor in rat brain cytosol (author's transl)] Tsuboi S.
Nippon Naibunpi Gakkai Zasshi 54(8):966-79, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
ABSORPTION/ ANIMAL/ *BRAIN CHEMISTRY/ CHROMATOGRAPHY, GEL/ *CYTOSOL, analysis/ ENGLISH ABSTRACT/ MALE/ METHODS/ PRECIPITATION/ RATS/ *RECEPTORS, GLUCOCORTICOID, analysis/ *RECEPTORS, STEROID, analysis

PROTEIN BINDING

Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Shain SA, et al. **Invest Urol** 16(3):169-74, Nov 78 (59 ref.)
ADENOCARCINOMA, analysis/ *ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ BREAST NEOPLASMS, metabolism/ CYTOPLASM, analysis/ CYTOPLASM, metabolism/ CYTOSOL, analysis/ CYTOSOL, metabolism/ DOGS/ FEMALE/ HUMAN/ MALE/ METHODS/ *PROSTATE, analysis/ PROSTATE, metabolism/ PROSTATIC NEOPLASMS, analysis/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, metabolism/ PROTEIN BINDING/ *RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ANDROGEN, metabolism/ RECEPTORS, ESTROGEN, analysis/ RECEPTORS, ESTROGEN, metabolism/ *RECEPTORS, STEROID, analysis/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. Danowski TS, et al. **PDM** 7(9-12)8(1-8):17-9, Jan-Dec 76
ADULT/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, diagnostic use/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY

RADIOIMMUNOASSAY

Steroid immunoassay in clinical chemistry. Pratt JJ.
Clin Chem 24(11):1869-90, Nov 78 (266 ref.)
ANIMAL/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CHEMISTRY, CLINICAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ HUMAN/ IMMUNOENZYME TECHNICS/ IODINE RADIOISOTOPES/ MATHEMATICS/ QUALITY CONTROL/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ REVIEW/ *STEROIDS, analysis/ TRITIUM

Evaluation of a radioimmunoassay for plasma adrenocorticotrophin. Marton J, et al. **J Endocrinol** 78(3):309-19, Sep 78
ANIMAL/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ EVALUATION STUDIES/ RABBITS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ RATS

Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. Danowski TS, et al. **PDM** 7(9-12)8(1-8):17-9, Jan-Dec 76
ADULT/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, diagnostic use/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY

A sensitive radioimmunoassay for 6-keto-prostaglandin F1alpha: preliminary observations on circulating concentrations. Mitchell MD. **Prostaglandins Med** 1(1):13-21, Jul 78
ANIMAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ FEMALE/ HUMAN/ MALE/ METHODS/ MONKEYS/ *PROSTAGLANDINS F, blood/ *PROSTAGLANDINS X, blood/ *PROSTAGLANDINS, blood/ RABBITS/ RADIOIMMUNOASSAY/ RHESUS MONKEYS/ SHEEP

INSTRUMENTATION

Radioimmunoassay of prostaglandins and thromboxanes. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:119–210, 1978
ANIMAL/ ANTIBODIES, analysis/ ANTIBODY FORMATION/ BINDING SITES/ BLOOD SPECIMEN COLLECTION, veterinary/ EMULSIONS/ HUMAN/ IMMUNIZATION/ LIGANDS/ MATHEMATICS/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, immunology/ RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ REFERENCE STANDARDS/ SPECIES SPECIFICITY/ *THROMBOXANES, analysis/ THROMBOXANES, immunology

[A comparison of six commercially available thyrotropin radioimmunoassay kits (author's transl)] Leicht E, et al. **J Clin Chem Clin Biochem** 16(10):551–5, Oct 78 (Eng. Abstr.) **(Ger)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ RADIOIMMUNOASSAY, instrumentation/ *THYROTROPIN, analysis

METHODS

Radioimmunoassay of estramustine phosphate in plasma. Forsgren B, et al. **Acta Pharm Suec** 15(3):200–10, 1978
ANIMAL/ DOGS/ *ESTRAMUSTINPHOSPHATE, blood/ ESTRAMUSTINPHOSPHATE, metabolism/ GLUCURONIDASE, pharmacodynamics/ IMMUNE SERUMS/ IMMUNIZATION/ *NITROGEN MUSTARD COMPOUNDS, blood/ *RADIOIMMUNOASSAY, methods

Motilin-, substance P- and somatostatin-like immunoreactivities in extracts from dog, tupaia and monkey brain and GI tract. Yanaihara C, et al. **Adv Exp Med Biol** 106:269–83, 1978
ANIMAL/ ANTIBODY SPECIFICITY/ BRAIN CHEMISTRY/ *BRAIN, immunology/ COMPARATIVE STUDY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GASTROINTESTINAL HORMONES, immunology/ GASTROINTESTINAL SYSTEM, analysis/ *GASTROINTESTINAL SYSTEM, immunology/ HUMAN/ MONKEYS/ MOTILIN, analysis/ *MOTILIN, immunology/ RADIOIMMUNOASSAY, methods/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, immunology/ SPECIES SPECIFICITY/ SUBSTANCE P, analysis/ *SUBSTANCE P, immunology/ TISSUE EXTRACTS, analysis/ TISSUE EXTRACTS, immunology/ TREE SHREWS

Radioimmunoassay of prostaglandins and thromboxanes. Granström E, et al. **Adv Prostaglandin Thromboxane Res** 5:119–210, 1978
ANIMAL/ ANTIBODIES, analysis/ ANTIBODY FORMATION/ BINDING SITES/ BLOOD SPECIMEN COLLECTION, veterinary/ EMULSIONS/ HUMAN/ IMMUNIZATION/ LIGANDS/ MATHEMATICS/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, immunology/ RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ REFERENCE STANDARDS/ SPECIES SPECIFICITY/ *THROMBOXANES, analysis/ THROMBOXANES, immunology

A one-tube micromethod for radioimmunoassay of plasma cortisol. Ellis G, et al. **Clin Chem** 24(11):1954–7, Nov 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT/ MALE/ MICROCHEMISTRY/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ TRANSCORTIN

An improved enzyme immunoassay for progesterone in human plasma. Joyce BG, et al. **Clin Chem** 24(12):2099–102, Dec 78
COMPARATIVE STUDY/ CROSS REACTIONS/ HORSERADISH PEROXIDASE/ HUMAN/ IMMUNOENZYME TECHNICS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY, methods

Steroid immunoassay in clinical chemistry. Pratt JJ. **Clin Chem** 24(11):1869–90, Nov 78 (266 ref.)
ANIMAL/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CHEMISTRY, CLINICAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ HUMAN/ IMMUNOENZYME TECHNICS/ IODINE RADIOISOTOPES/ MATHEMATICS/ QUALITY CONTROL/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ REVIEW/ *STEROIDS, analysis/ TRITIUM

Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Faber J, et al. **Clin Endocrinol (Oxf)** 9(3):279–82, Sep 78
ADOLESCENCE/ ADULT/ AGED/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, urine/ HYPOTHYROIDISM, urine/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ *TRIIODOTHYRONINE, urine/ *TRIIODOTHYRONINE, REVERSE, urine

Radioimmunoassay for partially degraded thyrotropin. Nisula BC, et al. **Endocr Res Commun** 5(2):125–34, 1978
CROSS REACTIONS/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ RADIOIMMUNOASSAY, methods/ THYROIDITIS, blood/ *THYROTROPIN, blood

Hormone assays in reproductive medicine. **Horm Res** 9(6):317–458, 1978
FEMALE/ *HORMONES, blood/ HUMAN/ MALE/ PREGNANCY/ RADIOIMMUNOASSAY, methods/ *REPRODUCTION

The World Health Organization's programme for the standardization and quality control of radioimmunoassay of hormones in reproductive physiology. Hall PE. **Horm Res** 9(6):440–9, 1978
FEMALE/ HUMAN/ MALE/ QUALITY CONTROL/ *RADIOIMMUNOASSAY, methods/ *REPRODUCTION/ *SEX HORMONES, analysis/ WORLD HEALTH ORGANIZATION

Recent trends in methodological simplification of steroid radioimmunoassay. Malvano R, et al. **Horm Res** 9(6):422–39, 1978
ALDOSTERONE, blood/ CROSS REACTIONS/ ESTRIOL, blood/ ESTRONE, blood/ *HORMONES, blood/ HUMAN/ HYDROXYPROGESTERONES, blood/ RADIOIMMUNOASSAY, methods/ *STEROIDS, blood

Radioimmunoassay of protein hormones: principles and methodology. Reuter AM, et al. **Horm Res** 9(6):404–21, 1978
ANTIBODY FORMATION/ ANTIGENS/ CROSS REACTIONS/ FEMALE/ *FSH, blood/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ IMMUNOSORBENT TECHNICS/ *LH, blood/ PREGNANCY/ *PROLACTIN, blood/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ *THYROTROPIN, blood

Development of a radioimmunoassay for inhibin. Sheth AR, et al. **Indian J Exp Biol** 16(9):1025–6, Sep 78
ANIMAL/ CATTLE/ HUMAN/ *LH-FSH RELEASING HORMONE, antagonists & inhibitors/ MONKEYS/ *RADIOIMMUNOASSAY, methods/ RATS/ SHEEP/ SWINE/ *TESTICULAR HORMONES, analysis

Evaluation of a radioimmunoassay for plasma adrenocorticotrophin. Marton J, et al. **J Endocrinol** 78(3):309–19, Sep 78
ANIMAL/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ EVALUATION STUDIES/ RABBITS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ RATS

Evidence for pleiomorphism of luteinizing hormone in peripubertal female rats. ter Haar MB, et al. **J Endocrinol** 79(1):133–4, Oct 78
ANIMAL/ BODY WEIGHT/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ LH, blood/ *LH, physiology/ RADIOIMMUNOASSAY, methods/ RATS/ *SEX MATURATION

Evaluation of a new immobilized-antibody radioimmunoassay

of plasma cortisol: comparison with two previous solid-phase procedures. Del Chicca MG, et al. **J Nucl Med Allied Sci** 22(2):97–100, Apr–Jun 78
ANTIBODIES/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Critical assessment of celite column chromatography in a multiple steroid radioimmunoassay system. Facchinetti F, et al. **J Nucl Med Allied Sci** 22(2):61–6, Apr–Jun 78
*CHROMATOGRAPHY, methods/ FEMALE/ HUMAN/ RADIOIMMUNOASSAY, methods/ *STEROIDS, blood

Methodological validation of HCS, estriol, estradiol and progesterone radioimmunoassay in pregnancy. Giannessi D, et al. **J Nucl Med Allied Sci** 22(2):71–8, Apr–Jun 78
*ESTRADIOL, blood/ *ESTRIOL, blood/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY, methods

The use of iodinated steroid as radioligand for testosterone radioimmunoassay. Hampl R, et al. **J Steroid Biochem** 9(8):771–3, Aug 78
CHROMATOGRAPHY, THIN LAYER, methods/ CROSS REACTIONS/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY, methods/ *TESTOSTERONE, analysis

Radioimmunoassay of androstenedione: the steroid molecule as a probe for antibody specificity. Milewich L, et al. **J Steroid Biochem** 6(10):1381–7, Oct 75
*ANDROSTENEDIONE, analysis/ ANTIBODIES/ CROSS REACTIONS/ HAPTENS/ RABBITS, immunology/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

The talc–resin–TCA test: rapid screening of radioiodinated polypeptide hormones for radioimmunoassay. Tower BB, et al. **Life Sci** 23(22):2183–92, 27 Nov 78
ADSORPTION/ *ANION EXCHANGE RESINS/ *HORMONES, analysis/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ *ION EXCHANGE RESINS/ ISOTOPE LABELING/ *PEPTIDES, analysis/ PRECIPITATION/ RADIOIMMUNOASSAY, methods/ RATS/ *TALC/ *TRICHLOROACETIC ACID/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Bioassay of TSH using dog thyroid cells in monolayer culture. Rapoport B, et al. **Metabolism** 27(12):1732–42, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ COMPARATIVE STUDY/ DOGS/ HUMAN/ KINETICS/ RADIOIMMUNOASSAY, methods/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Radioimmmunoassay for melatonin in human serum. Thoresen TS. **Scand J Clin Lab Invest** 38(7):687–92, Nov 78
ANTIGENS/ CHROMATOGRAPHY, AFFINITY/ CROSS REACTIONS/ HUMAN/ IMMUNE SERUMS/ *MELATONIN, blood/ *RADIOIMMUNOASSAY, methods

A new approach to the difficult assessment of aldosterone secretion in anephric patients. Pratt JH, et al. **Steroids** 32(4):487–98, Nov 78
ADOLESCENCE/ ADULT/ ALDOSTERONE, analogs & derivatives/ *ALDOSTERONE, blood/ CORTICOTROPIN, diagnostic use/ FEMALE/ GLUCURONATES, blood/ HEMODIALYSIS/ HUMAN/ MALE/ *NEPHRECTOMY/ POTASSIUM, blood/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

[Radioimmunological determination of oxytocin in human plasma] Vanden Driessche R, et al. **Verh K Acad Geneeskd Belg** 40(3):131–48, 1978 (Eng. Abstr.) **(Dut)**
ANTIBODIES, isolation & purification/ ENGLISH ABSTRACT/ FEMALE/ FETAL BLOOD, analysis/ HUMAN/ LACTATION/ *OXYTOCIN, blood/ OXYTOCIN, immunology/ PREGNANCY/ RADIOIMMUNOASSAY, methods

[T4 radioimmunoassay using a solid phase method--evaluation of Spak T4 RIA Kit] Mitsuma T, et al. **Horumon To Rinsho** 26(11):1225–9, Nov 78 **(Jpn)**
FEMALE/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ *THYROXINE, blood

[Determination of blood thyroxine values using RIA-gnost T4] Miyamoto M, et al. **Horumon To Rinsho** 26(11):1237–42, Nov 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ *THYROXINE, blood

[Radioimmunoassay kit using polyethyleneglycol to separate free and antibody-bound insulin (author's transl)] Kihara A, et al. **Kaku Igaku** 15(5):747–50, Aug 78 **(Jpn)**
*INSULIN ANTIBODIES, isolation & purification/ *INSULIN, isolation & purification/ *POLYETHYLENE GLYCOLS, diagnostic use/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards

[Diabetes insipidus after surgery of intracranial arterial aneurysms--with special reference to the human ADH and aldosterone secretion (author's transl)] Shibata S, et al. **No Shinkei Geka** 6(8):795–801, Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ *CEREBRAL ANEURYSM, surgery/ DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ RADIOIMMUNOASSAY, methods/ VASOPRESSINS, analogs & derivatives/ VASOPRESSINS, administration & dosage/ VASOPRESSINS, blood/ *VASOPRESSINS, secretion

[An evaluation of a T4 RIA kit using solid phase method--SPAC T4 RIA (author's transl)] Koizumi K, et al. **Radioisotopes** 27(9):539–42, Sep 78 **(Jpn)**
EVALUATION STUDIES/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

[Radioimmunoassay for plasma pregnenolone. Dexamethasone suppressibility of plasma pregnenolone (author's transl)] Nishida S, et al. **Radioisotopes** 27(9):543–6, Sep 78 **(Jpn)**
ADULT/ DEPRESSION, CHEMICAL/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ *PREGNENOLONE, blood/ *RADIOIMMUNOASSAY, methods

[Radioimmunological assay in the determination of human thyroglobulin] Kosowicz J, et al. **Endokrynol Pol** 29(6):463–74, Nov–Dec 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ HUMAN/ RADIOIMMUNOASSAY, methods/ THYROGLOBULIN, blood/ *THYROGLOBULIN, isolation & purification

RADIOLIGAND ASSAY

METHODS

[Measurement of rat serum corticosterone using radiostereoassay kit for cortisol (author's transl)] Hosogi H, et al. **Jikken Dobutsu** 27(3):289–93, Jul 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ BINDING, COMPETITIVE/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ HYDROCORTISONE, analysis/ *RADIOLIGAND ASSAY, methods/ RADIOLIGAND ASSAY, standards/ *RATS, blood/ REAGENT KITS, DIAGNOSTIC

STANDARDS

[Measurement of rat serum corticosterone using radiostereoassay kit for cortisol (author's transl)] Hosogi H, et al. **Jikken Dobutsu** 27(3):289–93, Jul 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ BINDING, COMPETITIVE/ *CORTICOSTERONE, blood/ DEXAMETHASONE,

pharmacodynamics/ ENGLISH ABSTRACT/ HYDROCORTISONE, analysis/ *RADIOLIGAND ASSAY, methods/ RADIOLIGAND ASSAY, standards/ *RATS, blood/ REAGENT KITS, DIAGNOSTIC

SPECTROMETRY, FLUORESCENCE

METHODS

An assessment of the total estrone, estradiol-17beta and estriol in high risk pregnancy plasma. Mathur RS, et al.
J Steroid Biochem 6(10):1421-7, Oct 75
*ESTRADIOL, blood/ *ESTRIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ SPECTROMETRY, FLUORESCENCE, methods

SPECTROPHOTOMETRY, INFRARED

METHODS

Direct determination of steroidal sulfates. Touchstone JC, et al. **J Steroid Biochem** 6(10):1389-92, Oct 75
CHEMISTRY/ CHROMATOGRAPHY, GAS/ FEMALE/ FETAL BLOOD, analysis/ HORMONES, analysis/ HUMAN/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTRUM ANALYSIS, MASS, methods/ *STEROIDS, analysis/ *SULFURIC ACID ESTERS, analysis/ *SULFURIC ACIDS, analysis

SPECTROPHOTOMETRY, ULTRAVIOLET

Analysis of steroidal carboxylic acids by high pressure liquid chromatography. Farhi RL, et al. **Anal Biochem** 90(1):58-68, 1 Oct 78
CARBOXYLIC ACIDS, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STEROIDS, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP

A high pressure liquid chromatographic method for the quantitation of sub-microgram amounts of zearalenone (F-2) in agricultural products. Malaiyandi M, et al.
J Environ Sci Health [B] 13(4):381-400, 1978
ANIMAL FEED, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CORN, analysis/ METHODS/ MICROCHEMISTRY/ OILS, analysis/ *PLANTS, EDIBLE, analysis/ *RESORCINOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ *ZEARALENONE, analysis

SPECTRUM ANALYSIS, MASS

Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography--mass spectrometry. Gréen K, et al.
Adv Prostaglandin Thromboxane Res 5:39-94, 1978
ACETYLATION/ ANIMAL/ ARACHIDONIC ACIDS, blood/ ARACHIDONIC ACIDS, chemical synthesis/ BLOOD PLATELETS, metabolism/ CHROMATOGRAPHY, GAS/ DEUTERIUM, diagnostic use/ DIAZOMETHANE/ HUMAN/ ISOTOPE LABELING/ METHODS/ METHYLATION/ *PROSTAGLANDINS X, analysis/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, chemical synthesis/ PROSTANOIC ACIDS, chemical synthesis/ SPECTRUM ANALYSIS, MASS/ *THROMBOXANES, analysis/ THROMBOXANES, chemical synthesis/ TRIMETHYLSILYL COMPOUNDS, chemical synthesis/ TRITIUM, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

New derivatives of prostaglandin A1 and specific detection of prostaglandin A's and 19Ohydroxylated prostaglandin A's in human semen. Roselló J, et al.
Biomed Mass Spectrom 5(9):531-5, Sep 78
AZEPINES, analysis/ CHROMATOGRAPHY, GAS/ HUMAN/ HYDROXYLATION/ MALE/ METHODS/ MORPHOLINES, analysis/ PIPERIDINES, analysis/ *PROSTAGLANDINS A, analysis/ PYRROLIDINES, analysis/ *SEMEN, analysis/ SPECTRUM ANALYSIS, MASS/ TRIMETHYLSILYL COMPOUNDS, analysis

A high pressure liquid chromatographic method for the quantitation of sub-microgram amounts of zearalenone (F-2) in agricultural products. Malaiyandi M, et al.
J Environ Sci Health [B] 13(4):381-400, 1978
ANIMAL FEED, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CORN, analysis/ METHODS/ MICROCHEMISTRY/ OILS, analysis/ *PLANTS, EDIBLE, analysis/ *RESORCINOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ *ZEARALENONE, analysis

METHODS

Electron impact and chemical ionization mass spectrometry of steroidal spirolactones. Boreham DR, et al.
Biomed Mass Spectrom 5(9):524-30, Sep 78
AMMONIA/ CHROMATOGRAPHY, GAS/ IONS/ METHANE/ SPECTRUM ANALYSIS, MASS, methods/ *SPIRONOLACTONE, analogs & derivatives/ SPIRONOLACTONE, analysis/ STEROIDS, analysis/ TRIMETHYLSILYL COMPOUNDS, analysis

Identification of the androstenetriolones and androstenetetrols present in the urine of infants. Shackleton CH, et al.
J Steroid Biochem 6(10):1393-9, Oct 75
*ANDROSTENOLS, urine/ CHROMATOGRAPHY, GAS, methods/ HUMAN/ INFANT/ KETOSTEROIDS, urine/ SPECTRUM ANALYSIS, MASS, methods/ STRUCTURE-ACTIVITY RELATIONSHIP

Direct determination of steroidal sulfates. Touchstone JC, et al. **J Steroid Biochem** 6(10):1389-92, Oct 75
CHEMISTRY/ CHROMATOGRAPHY, GAS/ FEMALE/ FETAL BLOOD, analysis/ HORMONES, analysis/ HUMAN/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTRUM ANALYSIS, MASS, methods/ *STEROIDS, analysis/ *SULFURIC ACID ESTERS, analysis/ *SULFURIC ACIDS, analysis

AUTHOR SECTION

A

1. **Aakvaag A, Sand T, Opstad PK, et al:** Hormonal changes in serum in young men during prolonged physical strain. Eur J Appl Physiol 39(4):283–91, 20 Oct 78
   FSH, blood/ LH, blood/ MILITARY MEDICINE/ NORWAY/ *PROLACTIN, blood/ SLEEP DEPRIVATION/ SOMATOTROPIN, blood/ *STRESS, blood/ *TESTOSTERONE, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

2. **Aarskog D:** Maternal progestins as a possible cause of hypospadias. N Engl J Med 300(2):75–8, 11 Jan 79 (40 ref.)
   ABORTION, THREATENED, drug therapy/ CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ FETUS, drug effects/ GENITALIA, FEMALE, embryology/ GENITALIA, MALE, embryology/ GESTATIONAL AGE/ HUMAN/ *HYPOSPADIAS, chemically induced/ HYPOSPADIAS, embryology/ INFANT, NEWBORN/ MALE/ PREGNANCY TESTS, adverse effects/ PREGNANCY/ *PROGESTATIONAL HORMONES, adverse effects/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES/ REVIEW/ URETHRA, embryology

3. **Abdou MS, Hassun TM, El-Sawaf SA:** Testicular and epididymal sperm numbers and related parameters in the developing awassi ram. Aust J Biol Sci 31(3):257–66, Jun 78
   AGE FACTORS/ ANIMAL/ CELL NUMBER/ EPIDIDYMIS, cytology/ *EPIDIDYMIS, growth & development/ MALE/ ORGAN WEIGHT/ *SHEEP, growth & development/ *SPERMATOZOA/ TESTIS, cytology/ *TESTIS, growth & development

4. **Abdullabekov GA:** Pamiati I. M. Orudzheva. Probl Endokrinol (Mosk) 24(6):115, Nov–Dec 78 **(Rus)**
   AZERBAIJAN/ CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

5. **Abe H, Kato Y, Chiba T, et al:** Plasma immunoreactive somatostatin levels in rat hypophysial portal blood: effect of glucagon administration. Life Sci 23(16):1647–53, 23 Oct 78
   ANIMAL/ CHROMATOGRAPHY, GEL/ *GLUCAGON, pharmacodynamics/ MALE/ PITUITARY GLAND, POSTERIOR, blood supply/ PITUITARY GLAND, POSTERIOR, metabolism/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, blood/ TIME FACTORS

6. **Abe K, Taguchi T, Okuno A, et al:** Recurrent acute suppurative thyroiditis. Am J Dis Child 132(10):990–1, Oct 78
   ACUTE DISEASE/ *BACTERIAL INFECTIONS/ BACTEROIDES INFECTIONS/ CASE REPORT/ CHILD/ HUMAN/ MALE/ PEPTOCOCCUS/ PEPTOSTREPTOCOCCUS/ RECURRENCE/ THYROID GLAND, physiopathology/ *THYROIDITIS, etiology/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

7. **Abe S, Tsuchiya A, Seguchi H, et al:** Effects of cortisone acetate on the lysosomal system of Yoshida ascites sarcoma cells studied by a 1,000 KV electron microscope. J Electron Microsc (Tokyo) 26 Suppl:367–70, 1977
   *AUTOPHAGOCYTOSIS, drug effects/ CELL LINE/ *CORTISONE, pharmacodynamics/ *LYSOSOMES, drug effects/ LYSOSOMES, physiology/ LYSOSOMES, ultrastructure/ *MICROSCOPY, ELECTRON/ *PHAGOCYTOSIS, drug effects

8. **Abe Y:** [Measurement of estrogen receptor in relation to the prediction of hormone dependency in 7,12-dimethylbenz(a)anthracene-induced rat breast cancer and in human breast cancer (author's transl)] Fukuoka Igaku Zasshi 69(9):400–13, Sep 78 (Eng. Abstr.) **(Jpn)**
   ANIMAL/ BREAST NEOPLASMS, analysis/ *BREAST NEOPLASMS, therapy/ *CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MAMMARY NEOPLASMS, EXPERIMENTAL, analysis/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, therapy/ PROGNOSIS/ RATS/ *RECEPTORS, ESTROGEN, analysis/ 9,10-DIMETHYL-1,2-BENZANTHRACENE

9. **Aber GM:** Intrarenal vascular lesions associated with pre-eclampsia. Nephron 21(6):297–309, 1978 (91 ref.)
   ANTICOAGULANTS, therapeutic use/ BLOOD PRESSURE/ FEMALE/ HUMAN/ *KIDNEY, blood supply/ KIDNEY, physiopathology/ PLACENTA, physiopathology/ *PRE-ECLAMPSIA, complications/ PRE-ECLAMPSIA, drug therapy/ PRE-ECLAMPSIA, physiopathology/ PREGNANCY/ REVIEW/ UTERUS, physiopathology/ *VASCULAR DISEASES, etiology

10. **Aberg A, Mägiste M, von Schenck H, et al:** Screening for twin pregnancy detection. Prog Clin Biol Res 24 Pt C:113–6, 1978
    FEMALE/ FETAL DEATH, prevention & control/ HUMAN/ INFANT MORTALITY/ *MASS SCREENING/ *PLACENTAL LACTOGEN, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PREGNANCY, MULTIPLE/ *PRENATAL DIAGNOSIS/ SWEDEN/ TWINS/ ULTRASONICS, diagnostic use

11. **Aberle HG, Horst W:** Therapie und Prognose der Hodentumoren: Das Seminom. Ergebnisse der Radiotherapie bei 100 Patienten. Strahlentherapie 154(11):739–44, Nov 78 (Eng. Abstr.) **(Ger)**
    ADOLESCENCE/ ADULT/ AGE FACTORS/ DYSGERMINOMA, diagnosis/ *DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ LUNG NEOPLASMS, radiotherapy/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ RADIOTHERAPY DOSAGE/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, radiotherapy

12. **Aberle HG, Bär W, Horst W:** Therapie und Prognose der Hodentumoren: Das Teratokarzinom. Ergebnisse bei 52 Patienten. Strahlentherapie 154(11):745–52, Nov 78 (Eng. Abstr.) **(Ger)**
    ADOLESCENCE/ ADULT/ AGE FACTORS/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ RETROSPECTIVE STUDIES/ TERATOID TUMOR, diagnosis/ TERATOID TUMOR, pathology/ *TERATOID TUMOR, radiotherapy/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology/ *TESTICULAR NEOPLASMS, radiotherapy

13. **Abiodun MO, Johnson TO:** Experience of radioimmunoassay of thyroid hormones in a developing country. East Afr Med J 55(9):407–13, Sep 78
    ADOLESCENCE/ ADULT/ *DEVELOPING COUNTRIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NIGERIA/ PREGNANCY/ *RADIOIMMUNOASSAY/ THYROID DISEASES, blood/ *THYROID HORMONES, blood/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

14. **Abou-Issa H, Reichert LE Jr:** Properties of particulate and detergent-solubilized adenylate cyclase of rat testis. Effects of follitropin stimulation. Biochim Biophys Acta 526(2):613–25, 12 Oct 78
    ADENOSINE TRIPHOSPHATE, administration & dosage/ ADENYL CYCLASE, isolation & purification/ *ADENYL CYCLASE, metabolism/ ANIMAL/ DETERGENTS/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ *FSH, pharmacodynamics/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ MEMBRANES, enzymology/ RATS/ SEMINIFEROUS TUBULES, enzymology/ SOLUBILITY/ *TESTIS, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

15. **Abramovich DR, Towler CM, Bohn H:** The binding of sex steroids in human maternal and fetal blood at different stages of gestation. J Steroid Biochem 9(8):791–4, Aug 78
    COMPARATIVE STUDY/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ *FETAL BLOOD, metabolism/ GESTATIONAL AGE/ HUMAN/ *OROSOMUCOID, metabolism/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ *SEX HORMONE BINDING GLOBULIN, metabolism/ STANOLONE, blood/ TESTOSTERONE, blood

16. **Ackenheil M, Hippius H, Matussek N:** Ergebnisse der

biochemischen Forschung auf dem Schizophrenie-Gebiet. Nervenarzt 49(11):634-49, Nov 78 **(Ger)**
BRAIN, enzymology/ DOPAMINE, metabolism/ GABA, metabolism/ HUMAN/ LYSERGIC ACID DIETHYLAMIDE, adverse effects/ METHOXYTRYPTAMINE, metabolism/ METHYLATION/ MODELS, PSYCHOLOGICAL/ MONOAMINE OXIDASE, blood/ NOREPINEPHRINE, metabolism/ PSYCHOSES, TOXIC, enzymology/ RECEPTORS, DOPAMINE, drug effects/ RESEARCH/ SCHIZOPHRENIA, drug therapy/ *SCHIZOPHRENIA, enzymology/ SCHIZOPHRENIA, etiology/ SEROTONIN, metabolism/ TRANQUILIZING AGENTS, MAJOR, therapeutic use

17. **Ackermann E:** Klinisch-pharmakologische Gesichtspunkte der Cytochrom P-450-abhängigen Biotransformation von Arzneimitteln. Pharmazie 33(7):400-6, Jul 78 (78 ref.) **(Ger)**
AGE FACTORS/ BIOTRANSFORMATION/ CARCINOGENS/ *CYTOCHROME P-450, metabolism/ DRUG THERAPY, adverse effects/ *DRUGS, metabolism/ FEMALE/ FETUS, enzymology/ HUMAN/ LIVER, metabolism/ PREGNANCY/ REVIEW/ STEROIDS, metabolism/ TOXICOLOGY

18. **Acritopoulou S, Haresign W, Lamming GE:** Time of ovulation in ewes after treatment with a prostaglandin F-2alpha analogue. J Reprod Fertil 54(1):189-91, Sep 78
ANIMAL/ ESTRUS/ FEMALE/ LH, secretion/ *OVULATION, drug effects/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ SHEEP/ TIME FACTORS

19. **Adamczewska K, Sawa H, Makasewicz J, et al:** Profilaktyka zespołu zaburzeń oddechowych przy pomocy prednisolonu. Ginekol Pol 49(8):731-5, Aug 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ *PREDNISOLONE, therapeutic use/ PREGNANCY/ *RESPIRATORY DISTRESS SYNDROME, prevention & control

20. **Adami HO, Rimsten A, Wide L:** Pineal gland, F.S.H., and breast-cancer aetiology [letter] Lancet 2(8103):1312-3, 16 Dec 78
AGED/ *BREAST NEOPLASMS, etiology/ ESTRONE, blood/ FEMALE/ *FSH, blood/ HUMAN/ MELATONIN, deficiency/ MENOPAUSE/ MIDDLE AGE/ *PINEAL BODY, secretion

21. **Adams D, Badikov VI, Smirnov VM, et al:** Eksperimental'noe vosproizvedenie dubliruiushchego peĭsmekernogo tsentra pishchevoĭ motivatsii. Biull Eksp Biol Med 86(11):515-7, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BRAIN MAPPING/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *FEEDING BEHAVIOR, physiology/ FEMALE/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ *LIMBIC SYSTEM, physiology/ MALE/ MESENCEPHALON, physiology/ *MOTIVATION, physiology/ *PERIODICITY/ RABBITS/ *RETICULAR FORMATION, physiology/ SEPTUM PELLUCIDUM, physiology/ TEGMENTUM MESENCEPHALI, physiology

22. **Adams RN, Conti J, Marsden CA, et al:** The measurement of dopamine and 5-hydroxytryptamine release in CNS of freely moving unanaesthetised rats [proceedings] Br J Pharmacol 64(3):473P-471P, Nov 78
ANIMAL/ *BRAIN, metabolism/ *DOPAMINE, metabolism/ RABBITS/ *SEROTONIN, metabolism

23. **Adamson JW:** Pharmacological stimulation of marrow function. Clin Haematol 7(3):555-69, Oct 78 (71 ref.)
ANDROGENS, pharmacodynamics/ ANIMAL/ *BONE MARROW, drug effects/ COLONY-FORMING UNITS ASSAY/ ESTROGENS. pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ HEMATOPOIESIS, drug effects/ HUMAN/ PARASYMPATHOMIMETICS, pharmacodynamics/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ REVIEW/ SOMATOTROPIN, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

24. **Adelstein RS, Conti MA, Hathaway DR, et al:** Phosphorylation of smooth muscle myosin light chain kinase by the catalytic subunit of adenosine 3': 5'-monophosphate-dependent protein kinase. J Biol Chem 253(23):8347-50, 10 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION/ *GIZZARD, enzymology/ KINETICS/ MOLECULAR WEIGHT/ *MUSCLES, enzymology/ MYOSIN/ PEPTIDE FRAGMENTS, analysis/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism

25. **Adelstein RS, Pollard TD:** Platelet contractile proteins. Prog Hemost Thromb 4:37-58, 1978 (89 ref.)
*ACTIN/ ANIMAL/ BLOOD COAGULATION/ *BLOOD PLATELETS/ BLOOD PLATELETS, physiology/ BLOOD PLATELETS, secretion/ BLOOD PLATELETS, ultrastructure/ CALCIUM, metabolism/ HUMAN/ *MYOSIN/ PHOSPHORYLATION/ PROTEIN BINDING/ RABBITS/ REVIEW/ TROPOMYOSIN/ TROPONIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

26. **Adessi GL, Goutte-Coussieu C, Nhuan TQ, et al:** Conversion, in vitro, of (7n-3H) testosterone to estrone and estradiol-17beta and their 3-sulfate conjugate by the guinea-pig placenta. Steroids 32(3):295-306, Oct 78
ANIMAL/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ *ESTRADIOL, biosynthesis/ *ESTRONE, biosynthesis/ FEMALE/ *GUINEA PIGS, metabolism/ IN VITRO/ *PLACENTA, metabolism/ PREGNANCY/ SULFATES, metabolism/ *TESTOSTERONE, metabolism/ 17-HYDROXYSTEROID DEHYDROGENASES, metabolism

27. **Adler SS, Trobaugh FE Jr, Knospe WH:** Colony-stimulating activity in serum and bone-conditioned medium of 89Sr marrow-ablated mice. J Lab Clin Med 92(5):690-7, Nov 78
ANIMAL/ *BONE AND BONES, metabolism/ *BONE MARROW, radiation effects/ *COLONY-STIMULATING FACTOR, metabolism/ FEMALE/ LEUKOCYTE COUNT/ MICE/ SPLENECTOMY/ STRONTIUM RADIOISOTOPES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

28. **Aepli R:** Die Arteriitis temporalis Horton. Praxis 67(50):1849-54, 12 Dec 78 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ALPHA GLOBULINS, analysis/ ANEMIA, etiology/ BLOOD SEDIMENTATION/ CASE REPORT/ FEMALE/ FEVER, etiology/ HEADACHE, etiology/ HUMAN/ MALE/ TEMPORAL ARTERIES, pathology/ TEMPORAL ARTERITIS, complications/ *TEMPORAL ARTERITIS, pathology

29. **Agboola A:** The effect of low haematocrit on serum human placental lactogen values. Br J Obstet Gynaecol 85(10):758-60, Oct 78
*ANEMIA, blood/ ANEMIA, etiology/ BIRTH WEIGHT/ FEMALE/ GESTATIONAL AGE/ HEMATOCRIT/ HUMAN/ INFANT, NEWBORN/ ORGAN WEIGHT/ PLACENTA, physiopathology/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY COMPLICATIONS, HEMATOLOGIC, blood/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY

30. **Aghajanian GK:** Feedback regulation of central monoaminergic neurons: evidence from single cell recording studies. Essays Neurochem Neuropharmacol 3:1-32, 1978 (130 ref.)
ANIMAL/ *BIOGENIC AMINES, physiology/ DOPAMINE, analogs & derivatives/ DOPAMINE, physiology/ FEEDBACK/ LOCUS COERULEUS, cytology/ LOCUS COERULEUS, drug effects/ LOCUS COERULEUS, physiology/ NEURONS, drug effects/ *NEURONS, physiology/ NOREPINEPHRINE, physiology/ REVIEW/ SEROTONIN, analogs & derivatives/ SEROTONIN, physiology/ SYNAPSES, physiology

31. **Agner E, Jans H:** Nefrotisk syndrom hos børn. Efterundersøgelse af 23 patienter. Ugeskr Laeger 140(49):3043-6, 4 Dec 78 (Eng. Abstr.) **(Dan)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/

FOLLOW-UP STUDIES/ HUMAN/ INFANT/ KIDNEY, physiopathology/ MALE/ *NEPHROTIC SYNDROME/ NEPHROTIC SYNDROME, drug therapy/ NEPHROTIC SYNDROME, mortality/ NEPHROTIC SYNDROME, physiopathology/ TIME FACTORS

32. **Agte BS, Mogilevskiĭ IuT:** Soliarno-gipotalamicheskiĭ sindrom pri diafragmal'nykh gryzhakh. Vrach Delo (11):46-9, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ CASE REPORT/ *CELIAC PLEXUS, physiopathology/ *DIAPHRAGMATIC HERNIA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMUS, physiopathology/ MALE/ MIDDLE AGE/ SYNDROME

33. **Aguiar Morales J:** Valores séricos de hormona humana del crecimiento (HGH) en tumores sólidos y hematosarcomas. Rev Clin Esp 150(6):351-5, 30 Sep 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ AGED/ *ANGIOSARCOMA, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASMS, blood/ *SOMATOTROPIN, blood

34. **Agus ZS:** Renal tubular transport of calcium: update. Adv Exp Med Biol 103:37-49, 1978 (28 ref.)
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CALCIUM, urine/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ LOOP OF HENLE, metabolism/ NATRIURESIS/ NEPHRONS, metabolism/ PARATHYROID GLANDS, physiology/ PHOSPHATES, deficiency/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

35. **Ahlman H, Bhargava HN, Donahue PE, et al:** The vagal release of 5-hydroxytryptamine from enterochromaffin cells in the cat. Acta Physiol Scand 104(3):262-70, Nov 78
ANIMAL/ CATS/ *CHROMAFFIN SYSTEM, secretion/ CYTOPLASMIC GRANULES, ultrastructure/ ELECTRIC STIMULATION/ *ENTEROCHROMAFFIN CELLS, secretion/ ENTEROCHROMAFFIN CELLS, ultrastructure/ FEMALE/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, FLUORESCENCE/ SEROTONIN, blood/ *SEROTONIN, secretion/ *VAGUS NERVE, physiology

36. **Ahmad SH, Ahmad AJ, Ansari Z:** A study of serum and cerebrospinal fluid magnesium in cases of encephalitis. Indian Pediatr 15(7):573-6, Jul 78
CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ ENCEPHALITIS, blood/ ENCEPHALITIS, cerebrospinal fluid/ *ENCEPHALITIS, metabolism/ FEMALE/ HUMAN/ INFANT/ MAGNESIUM, blood/ MAGNESIUM, cerebrospinal fluid/ *MAGNESIUM, metabolism/ MALE/ PROGNOSIS

37. **Ahrén B, Gustafson A, Hedner P, et al:** Release of cyclic AMP from thyroid cells in vitro. Acta Endocrinol (Copenh) 89(4):693-700, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, secretion/ ANIMAL/ CULTURE MEDIA/ FEMALE/ MICE/ THYROID GLAND, cytology/ *THYROID GLAND, secretion/ THYROTROPIN, pharmacodynamics/ THYROXINE, secretion/ TIME FACTORS

38. **Aiba M, Kameya T, Suzuki H, et al:** Enzyme histochemical and electron microscopic study of a virilizing adrenocortical adenoma. Acta Pathol Jpn 28(4):615-26, Jul 78
ADENOMA, enzymology/ *ADENOMA, ultrastructure/ ADRENAL CORTEX NEOPLASMS, enzymology/ *ADRENAL CORTEX NEOPLASMS, ultrastructure/ ADULT/ CASE REPORT/ DEHYDROEPIANDROSTERONE, metabolism/ ENDOPLASMIC RETICULUM, ultrastructure/ FEMALE/ GLUCOSAMINIDASE, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ ISOCITRATE DEHYDROGENASE, metabolism/ LACTATE DEHYDROGENASE, metabolism/ MITOCHONDRIA, ultrastructure/ MURAMIDASE, metabolism/ *OXIDOREDUCTASES, metabolism/ PHOSPHOGLUCONATE DEHYDROGENASE, metabolism/ SUCCINATE DEHYDROGENASE, metabolism/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

39. **Aikat M:** Colpocytology and its correlation with urinary oestriol and pregnanediol in third trimester of pregnancy. Indian J Pathol Microbiol 21(1):61-7, Jan 78
ADULT/ *ESTRIOL, urine/ FEMALE/ HUMAN/ *PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PREGNANEDIOL, urine/ *VAGINA, cytology

40. **Airaksinen MM, Huang JT, Ho BT, et al:** The uptake of 6-methoxy-1,2,3,4-tetrahydro-beta-carboline and its effect on 5-hydroxytryptamine uptake and release in blood platelets. Acta Pharmacol Toxicol (Copenh) 43(5):375-80, Nov 78
ANIMAL/ *BLOOD PLATELETS, metabolism/ CARBOLINES, administration & dosage/ *CARBOLINES, blood/ CARBOLINES, pharmacodynamics/ CHEMISTRY/ CINANSERIN, pharmacodynamics/ *INDOLES, blood/ OUABAIN, pharmacodynamics/ RABBITS/ *SEROTONIN, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

41. **Aĭvazian AV:** Massivnoe krovotechenie v paranefral'nuiu kletchatku kak sledstvie tromboémbolii verkhneĭ vetvi pochechnoĭ arterii. Urol Nefrol (Mosk) (6):62-3, Nov-Dec 78 **(Rus)**
*ADRENAL GLANDS/ CASE REPORT/ ENDOCARDITIS, BACTERIAL, complications/ *HEMORRHAGE, etiology/ HUMAN/ INFARCTION, etiology/ KIDNEY, blood supply/ MALE/ MIDDLE AGE/ *RENAL ARTERY OBSTRUCTION, complications/ *THROMBOEMBOLISM, complications

42. **Akerman KE:** Charge transfer during valinomycin-induced Ca2+ uptake in rat liver mitochondria. FEBS Lett 93(2):293-6, 15 Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ MALE/ *MITOCHONDRIA, LIVER, metabolism/ POTASSIUM, metabolism/ RATS/ VALINOMYCIN, pharmacodynamics

43. **Akhrem AA, Sviridov OV, Strel'chenok OA:** O prirode steroidsviazyvaiushchego tsentra transkortina cheloveka. Dokl Akad Nauk SSSR 242(5):1212-4, 1978 **(Rus)**
BINDING SITES/ HUMAN/ HYDROCORTISONE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TRANSCORTIN

44. **Akimoto H, Maki Y, Ono Y, et al:** [Falx images on CT scan (author's transl)] No Shinkei Geka 6(11):1083-7, Nov 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ AGING/ ASTROCYTOMA, radiography/ ATROPHY/ BRAIN EDEMA, radiography/ BRAIN NEOPLASMS, radiography/ *CALCINOSIS, radiography/ CHILD/ CHOROID PLEXUS, radiography/ *DURA MATER, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PINEAL BODY, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

45. **Akmal M, Goldstein DA, Telfer N, et al:** Resolution of muscle calcification in rhabdomyolysis and acute renal failure. Ann Intern Med 89(6):928-30, Dec 78
ADULT/ BONE AND BONES, radionuclide imaging/ *CALCINOSIS, etiology/ CALCINOSIS, radiography/ FEMALE/ HUMAN/ KIDNEY FAILURE, ACUTE, complications/ *KIDNEY FAILURE, ACUTE, etiology/ KIDNEY FAILURE, ACUTE, radionuclide imaging/ MALE/ MUSCLES, radiography/ MUSCLES, radionuclide imaging/ *MYOGLOBINURIA, complications/ TECHNETIUM, diagnostic use

46. **Aksel S, Schomberg DW, Hammond CB:** Prostaglandin F2alpha levels in human ovarian plasma in pregnancy and in a case of Halban's disease. Obstet Gynecol 52(4):421-3, Oct 78
ADULT/ AMENORRHEA, blood/ *CORPUS LUTEUM, metabolism/ CORPUS LUTEUM, secretion/ ESTROGENS, blood/ FEMALE/ HUMAN/ MENSTRUATION, LUTEAL PHASE/ *OVARIAN NEOPLASMS, blood/ *OVARY, blood supply/ *PREGNANCY/ PROGESTATIONAL HORMONES, blood/ *PROSTAGLANDINS F, blood/ PROSTAGLANDINS F, secretion/ PSEUDOPREGNANCY, blood/ SYNDROME

47. **Aksnes L:** An improved competitive protein-binding assay for 25-hydroxy vitamin D. Scand J Clin Lab Invest 38(7):677-86,

Nov 78
*BINDING, COMPETITIVE/ BLOOD PROTEINS, analysis/ CARRIER PROTEINS/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ METHODS/ POLYVINYL ALCOHOL, pharmacodynamics/ PREGNANCY/ *PROTEIN BINDING/ SILICIC ACID

48. **Aksu MF, Tzingounis VA, Greenblatt RB:** Treatment of benign breast disease with danazol: a follow-up report. J Reprod Med 21(3):181-4, Sep 78
ADULT/ *BREAST DISEASES, drug therapy/ DANAZOL, pharmacodynamics/ *DANAZOL, therapeutic use/ ENDOMETRIOSIS, drug therapy/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MENSTRUATION, drug effects/ MIDDLE AGE/ *PREGNADIENES, therapeutic use

49. **Al Jarallah MI, Archer-Hall JA, Francois PE:** Positioning errors in bone mineral measurement. Br J Radiol 51(610):821-2, Oct 78
*BONE AND BONES, analysis/ BONE AND BONES, radiography/ HUMAN/ *MINERALS, analysis/ *ULNA, radiography

50. **Albero R, Cerdán A, Carretero F, et al:** Válvulas uretrales y diabetes insípida nefrogénica asociadas al síndrome oto-palato-digital. Actas Urol Esp 2(6):309-10, Nov-Dec 78 (Eng. Abstr.) **(Spa)**
*ABNORMALITIES, MULTIPLE/ ABNORMALITIES, MULTIPLE, pathology/ *BONE DISEASES, DEVELOPMENTAL/ BONE DISEASES, DEVELOPMENTAL, pathology/ CASE REPORT/ *CLEFT PALATE/ CLEFT PALATE, pathology/ *DIABETES INSIPIDUS/ DIABETES INSIPIDUS, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MENTAL RETARDATION, pathology/ SYNDROME/ *URETHRA/ URETHRA, pathology

51. **Albert J, Geller J, Stoeltzing W, et al:** An improved method for extraction and determination of prostate concentrations of endogenous androgens. J Steroid Biochem 9(8):717-20, Aug 78
*ANDROGENS, analysis/ ANDROSTENEDIONE, analysis/ CHROMATOGRAPHY, THIN LAYER, methods/ HUMAN/ MALE/ *PROSTATE, analysis/ STANOLONE, analysis/ TESTOSTERONE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

52. **Aldinger KA, Schultz PN, Blumenschein GR, et al:** Thyroid-stimulating hormone and prolactin levels in breast cancer. Arch Intern Med 138(11):1638-41, Nov 78
ADULT/ *BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, mortality/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MIDDLE AGE/ *PROLACTIN, blood/ THYROID GLAND, physiology/ THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

53. **Alekseenko LP, Orechovich VN:** O svoĭstvakh proteinazy I adenogipofiza. Dokl Akad Nauk SSSR 243(1):237-9, 1978 **(Rus)**
ANIMAL/ CATALYSIS/ CATTLE/ HYDROGEN-ION CONCENTRATION/ *PEPTIDE HYDROLASES/ PEPTIDE HYDROLASES, antagonists & inhibitors/ *PITUITARY GLAND, ANTERIOR, enzymology/ SUBSTRATE SPECIFICITY

54. **Alekseev EI:** Gormony i differentsirovka ganglioznykh kletok setchatki glaza v émbriogeneze mysheĭ mutantnoĭ linii ocular retardation (kariometricheskoe issledovanie). Arkh Anat Gistol Embriol 75(9):106-11, Sep 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL DIFFERENTIATION/ CELL NUCLEUS, ultrastructure/ *CORTISONE, diagnostic use/ ENGLISH ABSTRACT/ MICE/ MICE, NEUROLOGIC MUTANTS/ NEURONS, ultrastructure/ *RETINA, abnormalities/ RETINA, cytology/ RETINA, embryology/ *SOMATOTROPIN, diagnostic use/ *TRIIODOTHYRONINE, diagnostic use

55. **Alekseeva GG, Zaripova ZKh, Iukhlova NA:** Dinamika urovneĭ gormona rosta, svobodnykh zhirnykh kislot v krovi i katekholaminov v moche u insulinorezistentnykh i insulinochuvstvitel'nykh bol'nykh sakharnym diabetom pod vliianiem insulinovoĭ gipoglikemii. Probl Endokrinol (Mosk) 24(6):13-9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADRENAL MEDULLA, physiopathology/ ADULT/ AGED/ BLOOD SUGAR, analysis/ *CATECHOLAMINES, urine/ *DIABETES MELLITUS, metabolism/ DIABETES MELLITUS, physiopathology/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *INSULIN, diagnostic use/ MIDDLE AGE/ *SOMATOTROPIN, blood/ SYMPATHETIC NERVOUS SYSTEM, physiopathology

56. **Alemán V, Trejo R, Morales E, et al:** A simple and rapid technique to isolate enriched populations of spermatocytes and spermatids from the immature rat testis. J Reprod Fertil 54(1):67-75, Sep 78
ANIMAL/ *CELL SEPARATION, methods/ CENTRIFUGATION, DENSITY GRADIENT/ MALE/ MICROSCOPY, ELECTRON/ RATS/ *SPERMATIDS/ SPERMATIDS, ultrastructure/ SPERMATOCYTES, ultrastructure/ *SPERMATOZOA/ SPERMATOZOA, ultrastructure/ *TESTIS, cytology

57. **Alexander NJ, Fulgham DL:** Antibodies to spermatozoa in male monkeys: mode of action. Fertil Steril 30(3):334-42, Sep 78
ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ *AUTOANTIBODIES/ BLOOD-TESTIS BARRIER/ CELL SURVIVAL/ CERVIX MUCUS, physiology/ EPIDIDYMIS, immunology/ FEMALE/ MALE/ MONKEYS/ RHESUS MONKEYS/ SPERM MOTILITY/ SPERMATOGENESIS/ *SPERMATOZOA, immunology/ TESTIS, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASECTOMY

58. **Alexandre A, Reynafarje B, Lehninger AL:** Stoichiometry of vectorial H+ movements coupled to electron transport and to ATP synthesis in mitochondria. Proc Natl Acad Sci USA 75(11):5296-300, Nov 78
*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ ELECTRON TRANSPORT/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ *MITOCHONDRIA, LIVER, metabolism/ POTASSIUM, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

59. **Alfrey AC, Ibels LS:** Role of phosphate and pyrophosphate in soft tissue calcification. Adv Exp Med Biol 103:187-93, 1978 (15 ref.)
ANIMAL/ BONE AND BONES, metabolism/ *CALCINOSIS, metabolism/ HUMAN/ LUNG, metabolism/ *PHOSPHATES, metabolism/ *PYROPHOSPHATES, metabolism/ REVIEW/ UREMIA, metabolism

60. **Algeri A, Consolazione A, Calderini G, et al:** Effect of the administration of (d-Ala) 2methionine-enkephalin on the serotonin metabolism in rat brain. Experientia 34(11):1488-9, 15 Nov 78
ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, antagonists & inhibitors/ *ENKEPHALINS, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ NALOXONE, pharmacodynamics/ RATS/ *SEROTONIN, metabolism

61. **Algeri S, Brunello N, Catto E, et al:** Biochemical effect of some new proposed antidepressant drugs on the monoaminergic systems in the rat brain. pp. 155-68. In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
ADENYL CYCLASE, metabolism/ AMIDES, pharmacodynamics/ ANIMAL/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BRAIN, drug effects/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ CORPUS STRIATUM, enzymology/ DIBENZOCYCLOHEPTENES, pharmacodynamics/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INHIBITORS, pharmacodynamics/ HOMOVANILLIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MONOGRAPH/ NOMIFENSINE, pharmacodynamics/ NOREPINEPHRINE,

metabolism/ OXAZINES, pharmacodynamics/ QUIPAZINE, pharmacodynamics/ RATS/ S-ADENOSYLMETHIONINE, pharmacodynamics/ SEROTONIN, metabolism/ TYRAMINE, analogs & derivatives/ TYROSINE HYDROXYLASE, metabolism/ 3,4-DIHYDROXYPHENYLACETIC ACID, metabolism

62. **Alix D, Riché C, Morin JF, et al:** Traitement par le 25 hydroxycholécalciférol de l'hypocalcémie néo-natale précoce dans un service de réanimation. Pediatrie 33(6):567-81, Sep 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ *HYPOCALCEMIA, drug therapy/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, drug therapy

63. **Allais C, Martinet L:** Relation between daylight ratio, plasma progesterone levels and timing of nidation in mink (Mustela vison). J Reprod Fertil 54(1):133-6, Sep 78
ANIMAL/ FEMALE/ *LIGHT/ MINK, blood/ *MINK, physiology/ *NIDATION/ *PROGESTERONE, blood

64. **Allan GS, Huxtable CR, Howlett CR, et al:** Pituitary dwarfism in German Shepherd dogs. J Small Anim Pract 19(12):711-27, Dec 78
ANIMAL/ *DOG DISEASES/ DOGS/ *DWARFISM, PITUITARY, veterinary

65. **Allannic H, Lorcy Y, Auvray E, et al:** Résultats du test à la TRH après thyroïdectomie partielle pour goitre nodulaire bénin. Ann Endocrinol (Paris) 39(3):249-51, 1978 (Eng. Abstr.) **(Fre)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR, physiopathology/ GOITER, NODULAR, surgery/ HUMAN/ MALE/ *PITUITARY GLAND, physiopathology/ *THYROIDECTOMY/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, metabolism

66. **Allen FH, Krook PM, de Groot WP:** Ultrasound demonstration of a thyroid carcinoma within a benign cyst. AJR 132(1):136-7, Jan 79
CARCINOMA, PAPILLARY, complications/ *CARCINOMA, PAPILLARY, diagnosis/ CASE REPORT/ CYSTS, complications/ *CYSTS, diagnosis/ FEMALE/ HUMAN/ MIDDLE AGE/ THYROID DISEASES, complications/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, complications/ *THYROID NEOPLASMS, diagnosis/ *ULTRASONICS, diagnostic use

67. **Allen RM, Redshaw MR:** The use of homologous and heterologous 125I-radioligands in the radioimmunoassay of progesterone. Steroids 32(4):467-86, Nov 78
IODINE RADIOISOTOPES/ LIGANDS/ *PROGESTERONE, analysis/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE/ STRUCTURE-ACTIVITY RELATIONSHIP

68. **Allgöwer M, Dambacher MA, Rüedi T:** Kommentar zur Arbeit 'Diagnostik und Therapie des primären Hyperparathyreoidismus'. Langenbecks Arch Chir 346(4):235-7, 20 Dec 78 **(Ger)**
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ METHODS

69. **Allmann DW, Miller A, Kleiner HS:** Effect of fluoridated water on 3',5' cyclic AMP levels in various rat tissues. J Dent Res 57(9-10):881, Sep-Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ENZYME ACTIVATION/ *FLUORIDES, pharmacodynamics/ MALE/ RATS/ *SODIUM FLUORIDE, pharmacodynamics/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER SUPPLY

70. **Alluchon-Gérard MJ:** Ultrastructure of the dogfish adenohypophysis. Cell Tissue Res 193(1):139-54, 6 Oct 78
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ *DOGFISH, anatomy & histology/ FEMALE/ MALE/ NEUROSECRETION/ PITUITARY GLAND, ANTERIOR, cytology/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ *SHARKS, anatomy & histology

71. **Aloia JF, Cohn SH, Babu T, et al:** Skeletal mass and body composition in marathon runners. Metabolism 27(12):1793-6, Dec 78
ADULT/ *BODY COMPOSITION/ BODY HEIGHT/ *BONE AND BONES, physiology/ COMPARATIVE STUDY/ HUMAN/ MALE/ MIDDLE AGE/ NEUTRON ACTIVATION ANALYSIS/ *RUNNING/ SPECTRUM ANALYSIS/ UNITED STATES GOV'T SUPPORTED

72. **Alonso R, Prieto L, Hernandez C, et al:** Antiandrogenic effects of the pineal gland and melatonin in castrated and intact prepubertal male rats. J Endocrinol 79(1):77-83, Oct 78
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ GENITALIA, MALE, drug effects/ GENITALIA, MALE, metabolism/ LH, blood/ MALE/ MELATONIN, pharmacodynamics/ *MELATONIN, physiology/ ORGAN WEIGHT, drug effects/ *PINEAL BODY, physiology/ RATS/ SEX MATURATION/ TESTOSTERONE, blood

73. **Alper CA:** The 'cure' of an inherited disease. J Lab Clin Med 92(4):497-500, Oct 78
ANDROGENS, SYNTHETIC, therapeutic use/ *ANGIONEUROTIC EDEMA, drug therapy/ ANGIONEUROTIC EDEMA, familial & genetic/ COMPLEMENT 1 INACTIVATORS, physiology/ COMPLEMENT 1, physiology/ DANAZOL, therapeutic use/ HUMAN/ METHYLTESTOSTERONE, therapeutic use

74. **Al'pert AE, Zhandarova LF:** Gliukuronovaia kislota, gliukuroniltransferaza i éstrogeny u bol'nykh rakom i prerakom molochnoĭ zhelezy. Vopr Onkol 24(10):66-70, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ *BREAST NEOPLASMS, urine/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ ESTROGENIC SUBSTANCES, CONJUGATED, urine/ *ESTROGENS, urine/ FEMALE/ FREE RADICALS/ *GLUCURONATES, urine/ HUMAN/ MIDDLE AGE/ *PRECANCEROUS CONDITIONS, urine/ *UDP GLUCURONOSYLTRANSFERASE, urine/ 17-KETOSTEROIDS, urine

75. **Alsabti EA, Safo M:** Fetal proteins in various tumors. Jpn J Exp Med 48(4):283-5, Aug 78
*ALPHA FETOPROTEINS, analysis/ BLADDER NEOPLASMS, blood/ CARCINOMA, blood/ *FETAL HEMOGLOBIN, analysis/ HEPATOMA, blood/ HUMAN/ LIVER NEOPLASMS, blood/ MALE/ *NEOPLASMS, blood/ TESTICULAR NEOPLASMS, blood

76. **Alsen C, Beress L, Tesseraux I:** Toxicities of sea anemone (Anemonia sulcata) polypeptides in mammals. Toxicon 16(6):561-6, 1978
ANIMAL/ CALCIUM, metabolism/ *COELENTERATA/ *COELENTERATE VENOMS, toxicity/ ELECTROCARDIOGRAPHY/ FEMALE/ GUINEA PIGS/ HEART DISEASES, chemically induced/ IN VITRO/ LETHAL DOSE 50/ MALE/ MICE/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ *PEPTIDES, toxicity/ POTASSIUM, metabolism/ RESPIRATION, drug effects/ *SEA ANEMONES/ SODIUM, metabolism

77. **Altschuler M, Warner RR, Kirschner PA:** Resection of mediastinal metastasis of malignant bronchial carcinoid 32 years after pneumonectomy. NY State J Med 78(14):2205-10, Dec 78
BRONCHIAL NEOPLASMS, pathology/ *BRONCHIAL NEOPLASMS, surgery/ CASE REPORT/ HUMAN/ MALE/ MALIGNANT CARCINOID SYNDROME, pathology/ *MALIGNANT CARCINOID SYNDROME, surgery/ MEDIASTINAL NEOPLASMS, pathology/ *MEDIASTINAL NEOPLASMS, surgery/ MIDDLE AGE/ *NEOPLASM METASTASIS, surgery/ PNEUMONECTOMY/ SEROTONIN, blood/ TIME FACTORS

78. **Altura BM:** Role of prostaglandins and histamine in reactive hyperemia: in-vivo studies on single mesenteric arterioles. Prostaglandins Med 1(4):323-31, Oct 78
ANIMAL/ *ARTERIES, physiopathology/ *ARTERIOLES, physiopathology/ *HISTAMINE, physiology/ *HYPEREMIA, physiopathology/ INDOMETHACIN, pharmacodynamics/ MALE/ MESENTERIC ARTERIES, physiopathology/

METIAMIDE, pharmacodynamics/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ *PROSTAGLANDINS, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASODILATION/ 5,8,11,14-EICOSATETRAYNOIC ACID, pharmacodynamics

79. **Altura BM, Carella A, Altura BT:** Acetaldehyde on vascular smooth muscle: possible role in vasodilator action of ethanol. Eur J Pharmacol 52(1):73–83, 1 Nov 78
*ACETALDEHYDE, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ *BLOOD VESSELS, drug effects/ CALCIUM, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, antagonists & inhibitors/ IN VITRO/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ POTASSIUM CHLORIDE, antagonists & inhibitors/ RATS/ SEROTONIN ANTAGONISTS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASODILATOR AGENTS, antagonists & inhibitors/ VASOPRESSINS, antagonists & inhibitors

80. **Alvord EC Jr:** Growth rates of epidermoid tumors. Ann Neurol 2(5):367–70, Nov 77
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BRAIN NEOPLASMS, congenital/ *BRAIN NEOPLASMS, physiopathology/ BRAIN NEOPLASMS, surgery/ CASE REPORT/ CELL NUMBER/ CELL TRANSFORMATION, NEOPLASTIC, pathology/ CHILD/ CRANIOPHARYNGIOMA, physiopathology/ DERMOID CYST, physiopathology/ EPIDERMAL CYST, congenital/ *EPIDERMAL CYST, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ *MITOSIS/ *MITOTIC INDEX/ NEOPLASM RECURRENCE, LOCAL, physiopathology/ RISK

81. **Amann W:** Die Postkontrazeptive Akne. ZFA (Stuttgart) 54(35–36):1809–12, 20 Dec 78 **(Ger)**
*ACNE, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ *SEX HORMONES, adverse effects

82. **Amano K:** [Enkephalin, its present status and future perspective (author's transl)] No Shinkei Geka 6(10):967–70, Oct 78 **(Jpn)**
ANIMAL/ BRAIN CHEMISTRY/ *ENDORPHINS, physiology/ ENKEPHALINS, analysis/ *ENKEPHALINS, physiology/ GUINEA PIGS/ MICE

83. **Amatayakul K, Sivasomboon B, Thanangkul O:** Vitamin and trace mineral metabolism in medroxyprogesterone acetate users. Contraception 18(3):253–69, Sep 78
ADOLESCENCE/ ADULT/ CAROTENE, metabolism/ FEMALE/ FOLIC ACID, metabolism/ HUMAN/ *MEDROXYPROGESTERONE, pharmacodynamics/ PYRIDOXINE, metabolism/ RIBOFLAVIN, metabolism/ THIAMINE, metabolism/ *TRACE ELEMENTS, metabolism/ TRYPTOPHAN, metabolism/ VITAMIN A, metabolism/ VITAMIN B 12, metabolism/ *VITAMINS, metabolism

84. **Ambrus JL Jr, Robin JC, Kelly RS, et al:** Studies on osteoporosis I. Experimental models. Effect of age, sex, genetic background, diet, steroid and heparin treatment on calcium metabolism of mice.
Res Commun Chem Pathol Pharmacol 22(1):3–14, Oct 78
AGING/ ANIMAL/ CALCIUM RADIOISOTOPES, diagnostic use/ *CALCIUM, metabolism/ DIET/ DISEASE MODELS, ANIMAL/ FEMALE/ HEPARIN, pharmacodynamics/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *OSTEOPOROSIS, metabolism/ PREDNISOLONE, pharmacodynamics/ SEX FACTORS/ SPECIES SPECIFICITY

85. **Ameri MR, Alebouyeh M, Amirfeyz M, et al:** Das kampomele Syndrom. Monatsschr Kinderheilkd 126(11):687–9, Nov 78 (Eng. Abstr.) **(Ger)**
*ABNORMALITIES, MULTIPLE, diagnosis/ ABNORMALITIES, MULTIPLE, familial & genetic/ CLEFT PALATE, complications/ DUCTUS ARTERIOSUS, PATENT, complications/ DWARFISM, complications/ ENGLISH ABSTRACT/ EXTREMITIES, abnormalities/ FEMALE/ HEART SEPTAL DEFECTS, VENTRICULAR, complications/ HUMAN/ HYDRONEPHROSIS, complications/ INFANT, NEWBORN/ MUSCLE HYPOTONIA, complications/ RESPIRATORY DISTRESS SYNDROME, complications/ SKULL, abnormalities/ SYNDROME/ URETER, abnormalities

86. **Amiel JL:** Chimiothérapie des cancers de l'ovaire stade III. Nouv Presse Med 7(35):3150–1, 14 Oct 78 (Eng. Abstr.) **(Fre)**
*ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery/ REMISSION

87. **Amin M, Schneider PW:** Quantitative determination of steroids in semi-solid pharmaceutical preparations by using high-performance liquid chromatography. Analyst 103(1231):1076–9, Oct 78
CHROMATOGRAPHY, HIGH SPEED LIQUID/ OINTMENTS, analysis/ PREGNADIENEDIOLS, analysis/ *PREGNADIENES, analysis/ SUPPOSITORIES, analysis

88. **Amin N:** Amoebiasis and corticosteroids [letter] Br Med J 2(6144):1084, 14 Oct 78
*ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HEPATITIS, diagnosis/ HUMAN/ *LIVER ABSCESS, AMEBIC, diagnosis/ LIVER ABSCESS, AMEBIC, drug therapy/ MALE/ MIDDLE AGE

89. **Amino N, Mori H, Miyai K, et al:** Activation of rheumatoid factor during pregnancy [letter] Lancet 2(8103):1307, 16 Dec 78
COMPARATIVE STUDY/ FEMALE/ HUMAN/ PREGNANCY COMPLICATIONS, immunology/ *PREGNANCY/ PUERPERIUM/ *RHEUMATOID FACTOR, isolation & purification/ THYROID DISEASES, immunology

90. **Amir S, Amit Z:** Endogenous opioid ligands may mediate stress-induced changes in the affective properties of pain related behavior in rats. Life Sci 23(11):1143–51, 18 Sep 78
ANIMAL/ *BEHAVIOR, ANIMAL, physiology/ *ENDORPHINS, physiology/ MALE/ NALOXONE, pharmacodynamics/ *PAIN, physiopathology/ PAIN, psychology/ RATS/ REACTION TIME, drug effects/ RESTRAINT, PHYSICAL/ *STRESS, physiopathology

91. **Amma MK, Malhotra N, Suri RK, et al:** Effect of oleoresin of gum guggul (Commiphora mukul) on the reproductive organs of female rat. Indian J Exp Biol 16(9):1021–3, Sep 78
ANIMAL/ CERVIX UTERI, drug effects/ FEMALE/ *GENITALIA, FEMALE, drug effects/ OVARY, drug effects/ RATS/ *RESINS, pharmacodynamics/ UTERUS, drug effects

92. **Amsterdam A, Reches A, Amir Y, et al:** Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. II. Effects of mucopolysaccharides and dextran sulfate on the activity of adenylate cyclase derived from various tissues.
Biochim Biophys Acta 544(2):273–83, 1 Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ BLOOD PLATELETS, enzymology/ CAUDATE NUCLEUS, enzymology/ CELL MEMBRANE, enzymology/ COMPARATIVE STUDY/ *DEXTRANS, pharmacodynamics/ FEMALE/ FSH, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ ILEUM, enzymology/ INTESTINAL MUCOSA, enzymology/ KINETICS/ LIVER, enzymology/ LH, pharmacodynamics/ MALE/ *MUCOPOLYSACCHARIDES, pharmacodynamics/ OVARY, enzymology/ PROSTAGLANDINS E, pharmacodynamics/ RATS

93. **Andersen JM, Dietschy JM:** Relative importance of high and low density lipoproteins in the regulation of cholesterol synthesis in the adrenal gland, ovary, and testis of the rat. J Biol Chem 253(24):9024–32, 25 Dec 78
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL/ *CHOLESTEROL, biosynthesis/ FEMALE/ HUMAN/ KINETICS/ *LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, HDL, pharmacodynamics/ *LIPOPROTEINS, LDL, blood/ LIPOPROTEINS,

LDL, pharmacodynamics/ MALE/ ORGAN SPECIFICITY/ OVARY, drug effects/ *OVARY, metabolism/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

94. **Anderson ER, Foulks JG:** The effect of small organic anions on aggregation and shape change of rabbit platelets. Thromb Haemost 40(1):43–60, 31 Aug 78
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ALKYL SULFONATES, pharmacodynamics/ ANIMAL/ ANIONS/ CAPROATES, pharmacodynamics/ CARBOXYLIC ACIDS, pharmacodynamics/ CELL MEMBRANE, physiology/ HYDROGEN-ION CONCENTRATION/ PERCHLORIC ACIDS, pharmacodynamics/ *PLATELET AGGREGATION/ PROSTAGLANDINS E, pharmacodynamics/ RABBITS/ RA 233, pharmacodynamics/ SEROTONIN, pharmacodynamics

95. **Anderson JA:** An assessment of (1) cyproterone acetate and (2) ethinyl oestradiol and lynoestrenol (Minilyn) in the treatment of idiopathic hirsutism. Br J Dermatol 99(5):545–52, Nov 78
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ *CYPROTERONE, therapeutic use/ DRUG COMBINATIONS/ DRUG THERAPY, COMBINATION/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HIRSUTISM, blood/ *HIRSUTISM, drug therapy/ HUMAN/ *LYNESTRENOL, therapeutic use/ MIDDLE AGE/ TESTOSTERONE, blood

96. **Anderson JC:** The effect of colonization of the mouse mammary gland by Staphylococcus epidermidis on subsequent infection with Staphylococcus aureus or Escherichia coli. J Comp Pathol 88(4):545–53, Oct 78
ANIMAL/ ENDOTOXINS/ *ESCHERICHIA COLI INFECTIONS, pathology/ FEMALE/ INFLAMMATION, pathology/ LACTATION/ *MASTITIS, microbiology/ MASTITIS, pathology/ MICE/ MICE, INBRED STRAINS/ PREGNANCY/ *STAPHYLOCOCCAL INFECTIONS, pathology/ STAPHYLOCOCCUS

97. **Anderson LM, McDonald JJ, Budinger JM, et al:** 3-Hydroxyxanthine: transplacental effects and ontogeny of related sulfate metabolism in rats and mice. JNCI 61(6):1405–10, Dec 78
ANIMAL/ FEMALE/ *LIVER NEOPLASMS, chemically induced/ *LIVER, metabolism/ MALE/ MATERNAL-FETAL EXCHANGE/ MICE/ MICE, INBRED STRAINS/ NEOPLASMS, EXPERIMENTAL, chemically induced/ ONTOGENY/ PLACENTA, metabolism/ PREGNANCY/ RATS/ *SULFATES, metabolism/ SULFURTRANSFERASES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XANTHINES, metabolism/ *XANTHINES, toxicity

98. **Anderson RJ, Schrier RW:** Physiology of renal water excretion. Contrib Nephrol 14:50–63, 1978
ANIMAL/ CELL MEMBRANE PERMEABILITY/ CHLORPROPAMIDE, pharmacodynamics/ DOGS/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY MEDULLA, physiology/ KIDNEY TUBULES, COLLECTING, physiology/ KIDNEY TUBULES, PROXIMAL, physiology/ *KIDNEY, physiology/ LOOP OF HENLE, physiology/ PROSTAGLANDINS, physiology/ VASOPRESSINS, physiology/ *WATER-ELECTROLYTE BALANCE

99. **Andersson RG, Kövesi G, Ericsson E:** Beta-adrenoceptor stimulation and cyclic AMP levels in bovine tracheal muscle of old and young animals. Acta Pharmacol Toxicol (Copenh) 43(4):323–7, Oct 78
ACETYLCHOLINE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ AGE FACTORS/ ANIMAL/ CARBACHOL, pharmacodynamics/ CATTLE/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, metabolism/ PAPAVERINE, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, BETA, drug effects/ THEOPHYLLINE, pharmacodynamics/ *TRACHEA, metabolism

100. **Andler W, Stolecke H, Sirang H:** Endocrine dysfunction in the diencephalic syndrome of emaciation in infancy. Helv Paediatr Acta 33(4–5):393–400, Nov 78
*ASTROCYTOMA, physiopathology/ BLOOD SUGAR, analysis/ BRAIN NEOPLASMS, blood/ *BRAIN NEOPLASMS, physiopathology/ CASE REPORT/ EMACIATION, blood/ *EMACIATION, physiopathology/ EMACIATION, therapy/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ *HYPOTHALAMUS, physiopathology/ INFANT/ LH, blood/ MALE/ PITUITARY GLAND, ANTERIOR, physiopathology/ PROLACTIN, blood/ SOMATOTROPIN, blood/ SYNDROME/ TESTOSTERONE, blood/ THYROID HORMONES, blood

101. **Andrassy K:** Einfluss der Sexualhormone auf die Hämostase. Fortschr Med 96(40):2019–21, 26 Oct 78 **(Ger)**
CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ESTROGENS, adverse effects/ HEMOLYTIC-UREMIC SYNDROME, etiology/ *HEMOSTASIS, drug effects/ PRE-ECLAMPSIA, physiopathology/ PREGNANCY COMPLICATIONS/ PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY/ *SEX HORMONES, pharmacodynamics/ THROMBOEMBOLISM, chemically induced

102. **Andreev BV:** Znachenie kholinergicheskikh i serotoninergicheskikh protsessov dlia moduliatsii aktivnosti sistemy otritsatel'nogo podkrepleniia. Biull Eksp Biol Med 86(11):552–4, Nov 78 (Eng. Abstr.) **(Rus)**
P-CHLOROAMPHETAMINE, pharmacodynamics/ *ACETYLCHOLINE, physiology/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESCAPE REACTION, drug effects/ *ESCAPE REACTION, physiology/ FLUOXETIN, pharmacodynamics/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ MALE/ *MESENCEPHALON, physiology/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ REACTION TIME, physiology/ SCOPOLAMINE, pharmacodynamics/ *SEROTONIN, physiology

103. **Andreuccetti P, Taddei C, Filosa S:** Intercellular bridges between follicle cells and oocyte during the differentiation of follicular epithelium in Lacerta sicula Raf. J Cell Sci 33:341–50, Oct 78
ANIMAL/ CELL DIFFERENTIATION/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ *GRAAFIAN FOLLICLE, ultrastructure/ *INTERCELLULAR JUNCTIONS, ultrastructure/ *LIZARDS, anatomy & histology/ LIZARDS, physiology/ MICROSCOPY, ELECTRON/ OOCYTES, physiology/ *OOCYTES, ultrastructure/ OOGENESIS/ *OVUM, ultrastructure

104. **Anger G, Heinrichs HJ:** Gerinnungsstörungen nach operativen Eingriffen bei urologischen Tumoren. Z Urol Nephrol 71(8):559–62, Aug 78 (Eng. Abstr.) **(Ger)**
*ADENOCARCINOMA, surgery/ ADULT/ *BLOOD COAGULATION DISORDERS, etiology/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS, etiology/ *TERATOID TUMOR, surgery/ *TESTICULAR NEOPLASMS, surgery

105. **Anghileri LJ, Hossfeld DK:** Evidence of phospholipids and mucopolysaccharides in the cystic fluid from a patient with generalized tissue calcification. Klin Wochenschr 56(20):1013–7, 15 Oct 78
CALCINOSIS, complications/ *CALCINOSIS, metabolism/ CALCIUM, analysis/ CASE REPORT/ CHONDROITIN SULFATES, analysis/ *CYSTS, analysis/ FEMALE/ HUMAN/ HYALURONIC ACID, analysis/ HYPERPARATHYROIDISM, SECONDARY, complications/ KIDNEY DISEASES, complications/ MIDDLE AGE/ *MUCOPOLYSACCHARIDES, analysis/ *PHOSPHOLIPIDS, analysis/ PROTEINS, analysis

106. **Anhut H, Peskar BA, Wachter W, et al:** Radioimmunological determination of prostaglandin D2 synthesis in human thrombocytes. Experientia 34(11):1494–6, 15 Nov 78
*BLOOD PLATELETS, metabolism/ HUMAN/ IMIDAZOLES, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ *PROSTAGLANDINS D, biosynthesis/ *PROSTAGLANDINS, biosynthesis/

RADIOIMMUNOASSAY, methods

107. **Anisimov MM, Shcheglov VV, Dzizenko SN:** Bliianie nekotorykh triterpenovykh glikozidov na biosintez sterinov i zhirnykh kislot drozhzhei Saccharmyces carlsvergensis. Prikl Biokhim Mikrobiol 14(4):573–82, Jul–Aug 78 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ ERGOSTEROL, biosynthesis/ *FATTY ACIDS, biosynthesis/ GLUCOSIDES, pharmacodynamics/ GLYCOSIDES, pharmacodynamics/ OLEANOLIC ACID, analogs & derivatives/ OLEANOLIC ACID, pharmacodynamics/ *PHYTOSTEROLS, biosynthesis/ SACCHAROMYCES, drug effects/ *SACCHAROMYCES, metabolism/ SQUALENE, biosynthesis/ *TRITERPENES, pharmacodynamics

108. **Anisimova MI, Todortseva MS:** O lechenii tiazhelykh form patologicheskogo klimakteriia. Akush Ginekol (Mosk) (10):60–1, 1978 **(Rus)**
ADULT/ *CLIMACTERIC, drug effects/ DRUG THERAPY, COMBINATION/ ESTROGENS, urine/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARY, physiopathology/ SYNDROME

109. **Annau Z:** Electrical self-stimulation of the brain: a model for the behavioral evaluation of toxic agents. Environ Health Perspect 26:59–67, Oct 78
ANIMAL/ BRAIN CHEMISTRY, drug effects/ CARBON MONOXIDE, toxicity/ DIURNAL RHYTHM/ ELECTRIC STIMULATION/ HYPOTHALAMUS, physiology/ MALE/ OXYGEN, pharmacodynamics/ RATS/ *SELF STIMULATION, drug effects/ TEMPERATURE/ *TOXICOLOGY, methods/ TRICHLOROETHYLENE, toxicity/ UNITED STATES GOV'T SUPPORTED, P.H.S.

110. **Annegers JF, Coulam CB, Abboud CF, et al:** Pituitary adenoma in Olmsted County, Minnesota, 1935--1977. A report of an increasing incidence of diagnosis in women of childbearing age. Mayo Clin Proc 53(10):641–3, Oct 78
*ADENOMA, occurrence/ ADOLESCENCE/ ADULT/ AGE FACTORS/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MINNESOTA/ *PITUITARY NEOPLASMS, occurrence/ SEX FACTORS

111. **Annexton M:** Cumulative radiation tallied by tiny chips [news] JAMA 241(3):226–7, 19 Jan 79
AGE FACTORS/ FEMALE/ GONADS, radiation effects/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ RADIATION DOSAGE/ *RADIATION MONITORING, methods/ RADIATION, IONIZING/ *THERMOLUMINESCENT DOSIMETRY, methods

112. **Anstey JT, Blythe JG:** Fibrin degradation products and the diagnosis of ovarian carcinoma. Obstet Gynecol 52(5):605–8, Nov 78
CYSTADENOMA, blood/ CYSTADENOMA, diagnosis/ CYSTADENOMA, pathology/ FEMALE/ *FIBRIN FIBRINOGEN DEGRADATION PRODUCTS, analysis/ HUMAN/ OVARIAN NEOPLASMS, blood/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology

113. **Anthony M:** Role of individual free fatty acids in migraine. Res Clin Stud Headache 6:110–6, 1978
BLOOD PLATELETS, analysis/ *FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, physiology/ HUMAN/ LINOLEIC ACIDS, blood/ *MIGRAINE, blood/ MIGRAINE, physiopathology/ OLEIC ACIDS, blood/ PALMITIC ACIDS, blood/ SEROTONIN, blood/ STEARIC ACIDS, blood

114. **Antonini R, Valenzuela G, Harper MJ:** Uterine blood flow and prostaglandin levels in ovariectomized rabbits. J Reprod Fertil 54(2):349–56, Nov 78
ANIMAL/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INDOMETHACIN, pharmacodynamics/ KIDNEY, blood supply/ *PROSTAGLANDINS E, blood/ *PROSTAGLANDINS F, blood/ RABBITS/ REGIONAL BLOOD FLOW, drug effects/ *UTERUS, blood supply/ UTERUS, drug effects

115. **Antunes CM, Strolley PD, Rosenshein NB, et al:** Endometrial cancer and estrogen use. Report of a large case-control study. N Engl J Med 300(1):9–13, 4 Jan 79
CLINICAL RESEARCH/ DIETHYLSTILBESTROL, adverse effects/ DRUG ADMINISTRATION SCHEDULE/ ENDOMETRIAL HYPERPLASIA, pathology/ EPIDEMIOLOGIC METHODS/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ MARYLAND/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM STAGING/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, occurrence/ UTERINE NEOPLASMS, pathology

116. **Anuman-Rajadhon Y, Pattanachak C, Manassakorn J:** The management of high risk pregnancy. J Med Assoc Thai 61(10):576–85, Oct 78
CREATININE, analysis/ ESTROGENS, analysis/ FEMALE/ FETAL DISTRESS, diagnosis/ *FETAL MONITORING, methods/ HUMAN/ OXYTOCIN, diagnostic use/ PLACENTAL LACTOGEN, analysis/ PRE-ECLAMPSIA/ PREGNANCY IN DIABETES/ *PREGNANCY COMPLICATIONS/ PREGNANCY/ RISK

117. **Aono R, Yamasaki M, Tamura G:** Changes in composition of envelope proteins in adenylate cyclase- or cyclic AMP receptor protein-deficient mutants of Escherichia coli. J Bacteriol 136(2):812–4, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ BACTERIAL PROTEINS, analysis/ *BACTERIAL PROTEINS, biosynthesis/ ESCHERICHIA COLI, analysis/ *ESCHERICHIA COLI, metabolism/ MEMBRANE PROTEINS, analysis/ *MEMBRANE PROTEINS, biosynthesis/ *RECEPTORS, CYCLIC AMP, physiology

118. **Aparicio M, Poirot P, Rossignol AM, et al:** Les hémangiomes hépatiques du nourrisson. Réflexions thérapeutiques á propos de 2 cas. Pediatrie 33(8):767–73, Dec 78 (Eng. Abstr.) **(Fre)**
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HEMANGIOMA, drug therapy/ HEMANGIOMA, surgery/ *HEMANGIOMA, therapy/ HUMAN/ INFANT/ LIVER NEOPLASMS, drug therapy/ LIVER NEOPLASMS, surgery/ *LIVER NEOPLASMS, therapy/ *PREDNISONE, therapeutic use

119. **Appelbaum J:** Hormone receptors in breast cancer [letter] Br Med J 2(6145):1161–2, 21 Oct 78
*BREAST NEOPLASMS, metabolism/ FEMALE/ HUMAN/ RECEPTORS, ESTROGEN, biosynthesis/ *RECEPTORS, PROGESTERONE, biosynthesis

120. **Appelgren LE, Forsgren B, Gustafsson JA, et al:** Autoradiographic studies of 3H-estramustine in the rat ventral prostate. Acta Pharmacol Toxicol (Copenh) 43(5):368–74, Nov 78
ANIMAL/ AUTORADIOGRAPHY/ CASTRATION/ EPITHELIUM, metabolism/ ESTRADIOL, metabolism/ ESTRAMUSTINPHOSPHATE, administration & dosage/ *ESTRAMUSTINPHOSPHATE, metabolism/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MALE/ *NITROGEN MUSTARD COMPOUNDS, metabolism/ *PROSTATE, metabolism/ PROSTATE, secretion/ PROTEIN BINDING/ RATS/ TESTOSTERONE, metabolism/ TIME FACTORS

121. **Apple D, Kreines K, Biehl JP:** The syndrome of inappropriate antidiuretic hormone secretion in multiple sclerosis. Arch Intern Med 138(11):1713–4, Nov 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *INAPPROPRIATE ADH SYNDROME, etiology/ *MULTIPLE SCLEROSIS, complications

122. **Apt W:** Tratamiento de la toxoplasmosis. Rev Med Chil 106(8):622–5, Aug 78 (Eng. Abstr.) **(Spa)**
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FOLIC ACID, metabolism/ HUMAN/ MICE/ *PYRIMETHAMINE, therapeutic use/ *SULFAMETHOXYPYRIDAZINE, therapeutic use/ SULFONAMIDES, therapeutic use/ *TOXOPLASMOSIS, drug therapy/ TOXOPLASMOSIS, OCULAR, drug therapy

123. **Arad G, Kulka RG:** Effects of glutamine, methionine sulfone and dexamethasone on rates of synthesis of glutamine synthetase in cultured hepatoma cells. Biochim Biophys Acta 544(1):153–62, 15 Nov 78

CELL LINE/ *DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *GLUTAMINE SYNTHETASE, biosynthesis/ *GLUTAMINE, pharmacodynamics/ *HEPATOMA, EXPERIMENTAL, enzymology/ KINETICS/ *METHIONINE, analogs & derivatives/ METHIONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

124. **Arbués Lacadena J:** Tratamiento no operatorio del pseudomixona peritoneal. Acta Obstet Ginecol Hisp Lusit 26(5):269–72, May 78 **(Spa)**
AGED/ *ARRHENOBLASTOMA, therapy/ CASE REPORT/ *CYSTADENOMA, MUCINOUS, therapy/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, therapy/ PUNCTURES, methods

125. **Ardura J, de Nicolás R, Sánchez Villares E:** Síndrome del prolapso mitral en hipotiroidismo. An Esp Pediatr 11(11):789–64, Nov 78 (Eng. Abstr.) **(Spa)**
CASE REPORT/ CHILD/ DEATH, SUDDEN/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ GENES, DOMINANT/ GENES, RECESSIVE/ HUMAN/ HYPOTHYROIDISM, diagnosis/ *HYPOTHYROIDISM, familial & genetic/ MITRAL VALVE PROLAPSE, diagnosis/ *MITRAL VALVE PROLAPSE, familial & genetic/ PEDIGREE/ PHONOCARDIOGRAPHY

126. **Arendash GW, Gallo RV:** Apomorphine-induced inhibition of episodic LH release in ovariectomized rats with complete hypothalamic deafferentation. Proc Soc Exp Biol Med 159(1):121–5, Oct 78
ANIMAL/ *APOMORPHINE, pharmacodynamics/ DIESTRUS/ ESTRUS/ FEMALE/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ *LH, secretion/ *OVARY, physiology/ PERIODICITY/ PITUITARY GLAND, physiology/ RATS/ RECEPTORS, DOPAMINE, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINAL SMEARS

127. **Ariga T, Suzuki M, Morita I, et al:** Chemical ionization mass spectrometry of trimethylsilyl derivatives of various prostaglandins. Anal Biochem 90(1):174–82, 1 Oct 78
*PROSTAGLANDINS/ SPECTRUM ANALYSIS, MASS, methods/ TRIMETHYLSILYL COMPOUNDS

128. **Ariyoshi K, Suetsugu N, Fujii H, et al:** [Clinical studies of anemia associated with primary hypothyroidism--case reports and consideration on pathogenetic mechanism (author's transl)] Rinsho Ketsueki 19(8):1075–8, Aug 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ *ANEMIA, MACROCYTIC, etiology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE

129. **Arlart I, Rosenthal J:** Saralasin bei renovaskulärer und essentieller Hypertonie. Einfluss auf Blutdruck, Plasmareninaktivität, Plasmaaldosteron und renale Hämodynamik. Dtsch Med Wochenschr 103(45):1790–6, 10 Nov 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ ALDOSTERONE, blood/ *ANGIOTENSIN II, analogs & derivatives/ BLOOD PRESSURE, drug effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ *HYPERTENSION, RENAL, drug therapy/ KIDNEY, blood supply/ KIDNEY, drug effects/ MALE/ MIDDLE AGE/ RECEPTORS, ANGIOTENSIN, drug effects/ RENAL ARTERY STENOSIS, drug therapy/ RENIN, blood/ SARALASIN, pharmacodynamics/ *SARALASIN, therapeutic use

130. **Armato U, Andreis PG, Draghi E, et al:** Studies on the persistence of differentiated functions in rat hepatocytes set into primary tissue culture. II. Production of specific exportable proteins and the effect of purine cyclic nucleotides: an immunofluorescent study. In Vitro 14(10):838–48, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL DIFFERENTIATION/ CELLS, CULTURED/ *FIBRINOGEN, biosynthesis/ FLUORESCENT ANTIBODY TECHNIC/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *LIVER/ *PREALBUMIN, biosynthesis/ *PROTEINS, biosynthesis/ *SERUM ALBUMIN, biosynthesis

131. **Armendares S, Ramos RM, Navarrete C, et al:** Effecto de la oxandrolona sobre el crecimiento en pacientes con sindrome de Turner. Rev Invest Clin 30(4):343–50, Oct–Dec 78 (Eng. Abstr.) **(Spa)**
AGE FACTORS/ BODY HEIGHT, drug effects/ CHILD/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ FEMALE/ *GROWTH, drug effects/ HUMAN/ *OXANDROLONE, pharmacodynamics/ OXANDROLONE, therapeutic use/ *TURNER'S SYNDROME, drug therapy

132. **Armstrong WE, Hatton GI:** Morphological changes in the rat supraoptic and paraventricular nuclei during the diurnal cycle. Brain Res 157(2):407–13, 24 Nov 78
ANIMAL/ BLOOD PROTEINS, metabolism/ CELL NUCLEUS/ *CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ *DIURNAL RHYTHM/ *HYPOTHALAMUS, cytology/ MALE/ NEUROSECRETION/ NUCLEAR MEMBRANE/ *PARAVENTRICULAR NUCLEUS, cytology/ RATS/ *SUPRAOPTIC NUCLEUS, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

133. **Aronsohn RS, Friedman BA, Turcotte JG:** Blunt trauma to an adrenal cyst producing abdominal pain and anemia. Am Surg 44(9):605–9, Sep 78
*ABDOMEN/ *ADRENAL GLAND DISEASES, complications/ ADRENAL GLAND DISEASES, etiology/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLANDS, pathology/ ADULT/ *ANEMIA, etiology/ CASE REPORT/ *CYSTS, complications/ CYSTS, etiology/ CYSTS, pathology/ HUMAN/ MALE/ *PAIN, etiology/ *WOUNDS, NONPENETRATING, complications

134. **Arrigo F, Russo A, Virga T, et al:** Sul comportamento della PRA in corso di trattamento con alfametildopa. Boll Soc Ital Cardiol 22(3):305–13, 1977 (Eng. Abstr.)**(Ita)**
ADULT/ AGED/ BLOOD PRESSURE, drug effects/ DIET, SALT-FREE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, diet therapy/ *HYPERTENSION, drug therapy/ HYPERTENSION, RENAL, blood/ HYPERTENSION, RENAL, drug therapy/ MALE/ METHYLDOPA, administration & dosage/ *METHYLDOPA, therapeutic use/ MIDDLE AGE/ *RENIN, blood

135. **Arsenescu G, Sabău M, Roşca G, et al:** The role of increased Ca++ influx as a possible additional adaptive mechanism in experimental left ventricular hypertrophy (exp LVH). Physiologie 15(3):157–60, Jul–Sep 78
ACTION POTENTIALS/ ANIMAL/ *CALCIUM, metabolism/ *HEART ENLARGEMENT, metabolism/ HEART ENLARGEMENT, physiopathology/ *ION CHANNELS/ MEMBRANE POTENTIALS/ RATS/ SARCOLEMMA, metabolism

136. **Arthur GP:** Migraine in adults. NZ Med J 88(621):290–3, 11 Oct 78
ACUTE DISEASE/ ADULT/ CEREBRAL CORTEX, blood supply/ ERGOTAMINE, therapeutic use/ FEMALE/ HUMAN/ MALE/ *MIGRAINE, drug therapy/ MIGRAINE, etiology/ MIGRAINE, physiopathology/ SCALP, blood supply/ SEROTONIN ANTAGONISTS, therapeutic use/ SEROTONIN, physiology

137. **Artiukhov VG:** Vliianie UF-radiatsii na opticheskie svoĭstva rastvorov tsitokhroma c v prisutstvii serotonina. Biofizika 23(6):974–8, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
CHEMISTRY/ *CYTOCHROME C, radiation effects/ ENGLISH ABSTRACT/ LIGHT/ SCATTERING, RADIATION/ *SEROTONIN/ SPECTRUM ANALYSIS/ *ULTRAVIOLET RAYS

138. **Asai K, Ohkura T, Sakamoto N, et al:** [The effect of 1alpha-hydroxycholecalciferol on the abnormal calcium metabolism in hemodialysis patients.--Studies on patients showing low serum calcium and high alkaline phosphatase (author's transl)] Nippon Jinzo Gakkai Shi 20(9):967–77, Sep 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ *ALKALINE PHOSPHATASE, blood/ CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ HYDROXYCHOLECALCIFEROLS, administration & dosage/ *HYDROXYCHOLECALCIFEROLS, therapeutic

use/ *HYPOCALCEMIA, drug therapy/ MALE/ MIDDLE AGE

139. **Asano Y, Nakamoto Y:** Avidity of anti-native DNA antibody and glomerular immune complex localization in lupus nephritis. Clin Nephrol 10(4):123-9, Oct 78
ADULT/ *ANTIGEN-ANTIBODY COMPLEX, analysis/ *ANTINUCLEAR FACTORS/ BINDING SITES, ANTIBODY/ *DNA, immunology/ FEMALE/ HUMAN/ *KIDNEY GLOMERULUS, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ *NEPHRITIS, immunology/ PREDNISOLONE, therapeutic use

140. **Asano Y, Kusano E, Marumo F, et al:** [Serum iPTH concentration in chronic renal failure and its relationship to calcium metabolism (author's transl)]
Nippon Jinzo Gakkai Shi 20(7):747-57, Jul 78 (Eng. Abstr.) **(Jpn)**
ADULT/ CALCIUM, blood/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood

141. **Asch L:** Action de la calcitonine, seule ou associée à la triiodothyronine, sur la calciurie et la phosphaturie au cours du jeûne. Nouv Presse Med 7(35):3150, 14 Oct 78 **(Fre)**
*CALCITONIN, pharmacodynamics/ *CALCIUM, urine/ *FASTING/ HUMAN/ *OBESITY, metabolism/ *PHOSPHORUS, urine/ *TRIIODOTHYRONINE, pharmacodynamics

142. **Asch RH, Gneenblatt RB, Mahesh VB:** Pure crystalline estradiol pellet implantation for contraception. Int J Fertil 23(2):100-5, 1978
ABDOMINAL WALL/ ADOLESCENCE/ ADULT/ *CONTRACEPTIVE AGENTS, FEMALE, administration & dosage/ CONTRACEPTIVE AGENTS, FEMALE, adverse effects/ DRUG IMPLANTS/ *ESTRADIOL, administration & dosage/ ESTRADIOL, adverse effects/ ESTRADIOL, blood/ FEMALE/ FOLLOW-UP STUDIES/ FSH, blood/ HUMAN/ LH, blood/ MIDDLE AGE/ PREGNANCY/ PROGESTERONE, blood

143. **Ashiru OA, Blake CA:** Restoration of the periovulatory follicle-stimulating hormone surges in sera by luteinizing hormone releasing hormone in phenobarbital-blocked rats. Life Sci 23(14):1507-13, 9 Oct 78
ANIMAL/ ESTRUS, drug effects/ FEMALE/ *FSH, blood/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ OVULATION/ *PHENOBARBITAL, antagonists & inhibitors/ PROESTRUS, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

144. **Ashley CC, Campbell AK:** Free-calcium and tension responses in single barnacle muscle fibres following the application of L-glutamate. Biochim Biophys Acta 512(2):429-35, 22 Sep 78
AEQUORIN, metabolism/ ANIMAL/ BARNACLES/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *GLUTAMATES, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLES, drug effects/ MUSCLES, metabolism/ *MUSCLES, physiology

145. **Ashley CC, Lea TJ:** Calcium fluxes in single muscle fibres measured with a glass scintillator probe. J Physiol (Lond) 282:307-31, Sep 78
ANIMAL/ *BARNACLES, metabolism/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ D 600, pharmacodynamics/ EXTRACELLULAR SPACE, metabolism/ EGTA, pharmacodynamics/ IN VITRO/ INTRACELLULAR FLUID, metabolism/ LANTHANUM, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ *MUSCLES, metabolism/ SCINTILLATION COUNTING/ SODIUM, pharmacodynamics

146. **Ashley CC, Lea TJ:** Intracellular free Ca increased by lowering pH [proceedings] J Physiol (Lond) 282:21P-22P, Sep 78
AEQUORIN, metabolism/ ANIMAL/ BARNACLES/ *CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MUSCLE CONTRACTION/ *MUSCLES, metabolism

147. **Ashraf R, Khan A:** In vitro and in vivo studies with sodium pertechnetate and technetium-labelled methylene diphosphonate. J Chromatogr 146(3):527-32, 1 Nov 78
ADIPOSE TISSUE, metabolism/ ANIMAL/ BONE AND BONES, metabolism/ CHELATING AGENTS, diagnostic use/ *DIPHOSPHONATES, diagnostic use/ DIPHOSPHONATES, metabolism/ *ISOTOPE LABELING, methods/ RABBITS/ RADIOGRAPHIC IMAGE ENHANCEMENT/ RATS/ *TECHNETIUM, diagnostic use/ TECHNETIUM, metabolism/ TISSUE DISTRIBUTION

148. **Ashrafov AA:** Biokhimicheskie pokazateli funktsii kory nadpochechnikov pri khronicheskom kal'kuleznom kholetsistite u lits pozhilogo i starcheskogo vozrasta.
Klin Khir (10):27-30, Oct 78 (Eng. Abstr.) **(Rus)**
*ADRENAL CORTEX, physiopathology/ AGED/ CHOLECYSTITIS, metabolism/ *CHOLECYSTITIS, physiopathology/ CHOLELITHIASIS, metabolism/ *CHOLELITHIASIS, physiopathology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ 17-HYDROXYCORTICOSTEROIDS, metabolism/ 17-KETOSTEROIDS, metabolism

149. **Ashton IK, Aynsley-Green A:** Plasma somatomedin activity in an infant with Beckwith Wiedemann syndrome.
Early Hum Dev 1(4):357-62, Feb 78
AGE FACTORS/ BIRTH WEIGHT/ BODY HEIGHT/ BODY WEIGHT/ CASE REPORT/ FEMALE/ *GIGANTISM, blood/ HUMAN/ HYPOGLYCEMIA, complications/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, blood/ *MACROGLOSSIA, blood/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ *SOMATOMEDIN, blood/ SOMATOTROPIN, blood/ SYNDROME/ UMBILICAL HERNIA, blood

150. **Ashton IK, Vesey J:** Somatomedin activity in human cord plasma and relationship to birth size, insulin, growth hormone, and prolactin. Early Hum Dev 2(2):115-22, Jul 78
*BIRTH WEIGHT/ BODY HEIGHT/ FEMALE/ *FETAL BLOOD, analysis/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ INFANT, SMALL FOR GESTATIONAL AGE/ *INSULIN, blood/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ PREGNANCY/ *PROLACTIN, blood/ SKINFOLD THICKNESS/ *SOMATOMEDIN, blood/ *SOMATOTROPIN, blood

151. **Askins BS, Brill AB, Rao GU, et al:** Autoradiographic enhancement of mammograms. Investigation of a new dose reduction technique. Radiology 130(1):103-7, Jan 79
*BREAST NEOPLASMS, radiography/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MAMMOGRAPHY, adverse effects/ *MAMMOGRAPHY, methods/ RADIATION DOSAGE/ *RADIATION PROTECTION/ *RADIOGRAPHIC IMAGE ENHANCEMENT, methods/ THIOUREA

152. **Astier HS, Newcomer WS:** Extrathyroidal conversion of thyroxine to triiodothyronine in a bird: the Peking duck. Gen Comp Endocrinol 35(4):496-9, Aug 78
ANIMAL/ *DUCKS, metabolism/ THYROIDECTOMY/ THYROXINE, blood/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, biosynthesis/ TRIIODOTHYRONINE, blood

153. **Astier HS, Daniel JY, Jallageas M:** Estimation of plasma thyroxine concentration in ducks in relation to different environmental and experimental conditions. Experientia 34(9):1228-30, 15 Sep 78
ANIMAL/ BINDING, COMPETITIVE/ COLD/ *DUCKS, blood/ ENVIRONMENT/ SEASONS/ STARVATION, metabolism/ THYROIDECTOMY/ THYROXINE BINDING PROTEIN, metabolism/ *THYROXINE, blood

154. **Atkins E, Francis L:** Pathogenesis of fever in delayed hypersensitivity: factors influencing release of pyrogen-inducing lymphokines. Infect Immun 21(3):806-12, Sep 78
ANIMAL/ *FEVER, etiology/ HYPERSENSITIVITY, DELAYED, complications/

*HYPERSENSITIVITY, DELAYED, physiopathology/ KUPFFER CELLS, physiology/ LYMPH NODES, physiopathology/ LYMPHOCYTES, physiology/ LYMPHOCYTES, radiation effects/ *LYMPHOKINES, physiology/ *PYROGENS, biosynthesis/ RABBITS/ RADIATION, IONIZING/ STEROIDS, pharmacodynamics/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

155. **Atkinson JP, Kelly JP, Weiss A, et al:** Enhanced intracellular cGMP concentrations and lectin-induced lymphocyte transformation. J Immunol 121(6):2282–91, Dec 78
ASCORBIC ACID, pharmacodynamics/ AZIDES, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ HUMAN/ *LECTINS, pharmacodynamics/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, enzymology/ NITROPRUSSIDE, pharmacodynamics/ NITROSOGUANIDINES, pharmacodynamics/ SODIUM NITRITE, pharmacodynamics/ THYMIDINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

156. **Atta AG, Maringoni RL, Silveira Filho B:** Papel dos receptores de distensão atriais na regulação do volume dos fluidos do cão anestesiado. Rev Bras Pesqui Med Biol 11(4–5):267–75, Oct 78 (Eng. Abstr.) **(Por)**
ALDOSTERONE, secretion/ ANIMAL/ BLOOD PRESSURE/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DIURESIS/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ GLOMERULAR FILTRATION RATE/ *HEART ATRIUM, physiology/ MALE/ *MECHANORECEPTORS, physiology/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ *SODIUM, urine/ VASOPRESSINS, secretion/ *WATER-ELECTROLYTE BALANCE

157. **Aubé M, Lesage J, Fauteux P, et al:** Tomodensitométrie de l'orbite: étude de 85 cas. Union Med Can 107(11):1095–101, Nov 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, radiography/ HUMAN/ *ORBIT, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

158. **Aula P, Rapola J, Karjalainen O, et al:** Prenatal diagnosis of congenital nephrosis in 23 high-risk families. Am J Dis Child 132(10):984–7, Oct 78
ABORTION, LEGAL/ ALPHA FETOPROTEINS, analysis/ AMNIOTIC FLUID, analysis/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KIDNEY GLOMERULUS, blood supply/ KIDNEY GLOMERULUS, ultrastructure/ KIDNEY, embryology/ KIDNEY, ultrastructure/ *NEPHROSIS, congenital/ NEPHROSIS, diagnosis/ NEPHROSIS, familial & genetic/ PREGNANCY/ *PRENATAL DIAGNOSIS/ PROSTAGLANDINS, therapeutic use/ RISK

159. **Aun F, Lee A, Mattox S, et al:** Evidence for rhythmic variation of cortisol metabolism in adrenalectomized primates. Surg Forum 28:112–5, 1977
*ADRENALECTOMY/ ANIMAL/ *CIRCADIAN RHYTHM/ FEMALE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, metabolism/ MALE/ MONKEYS/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

160. **Avioli LV:** Phosphorous depletion and vitamin D metabolism. Adv Exp Med Biol 103:367–72, 1978 (25 ref.)
ANIMAL/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ DIET/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ HUMAN/ *PHOSPHORUS, deficiency/ REVIEW/ *VITAMIN D, metabolism

161. **Avramov I:** Rolia na infektsiozniia faktor v etiopatogenezata na purvichnoto bezplodie ot iaichnikov proizkhod (eksperimentalno izsledvane). Akush Ginekol (Sofiia) 17(5):313–8, 1978 (Eng. Abstr.) **(Bul)**
ANIMAL/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ FERTILITY/ INFLUENZA, complications/ *OVARIAN DISEASES, complications/ PREGNANCY/ RATS/ *STERILITY, FEMALE, etiology/ STREPTOCOCCAL INFECTIONS, complications

162. **Avrutina AIa, Kisliuk SM:** Vyiavlenie kriticheskogo perioda razvitiia gipofizarno-adrenalovoi sistemy v postémbrional'nom ontogeneze kur. Zh Evol Biokhim Fiziol 14(5):441–7, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ADRENAL CORTEX HORMONES, blood/ AGE FACTORS/ ANIMAL/ *CHICKENS, growth & development/ *COLD/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ EOSINOPHILS/ FEMALE/ LEUKOCYTE COUNT/ MALE/ ONTOGENY/ *PITUITARY-ADRENAL SYSTEM, growth & development/ STRESS, physiopathology

163. **Awata N, Yamamoto K, Sugimoto I:** [Absorption, excretion and metabolism of dehydroepiandrosterone sulfate in rabbits (author's transl)] Yakugaku Zasshi 98(7):880–5, Jul 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *DEHYDROEPIANDROSTERONE, metabolism/ ENGLISH ABSTRACT/ MALE/ RABBITS

164. **Axelsson B, Bergström M:** Radiation dose related to collimator geometry in the first generation EMI scanner. Acta Radiol [Ther] (Stockh) 17(4):331–6, 1978
ADULT/ CHILD/ COBALT RADIOISOTOPES/ HUMAN/ RADIATION DOSAGE/ *RADIATION PROTECTION/ TECHNOLOGY, RADIOLOGIC/ THERMOLUMINESCENT DOSIMETRY/ THYROID GLAND, radiation effects/ *TOMOGRAPHY, COMPUTERIZED AXIAL, instrumentation

165. **Axelsson O:** Unconjugated oestetrol in plasma in response to an intravenous load of dehydroepiandrosterone sulphate (DHAS) in uncomplicated and complicated human pregnancy. Acta Endocrinol (Copenh) 89(4):753–62, Dec 78
*DEHYDROEPIANDROSTERONE, diagnostic use/ *ESTETROL, blood/ *ESTRIOL, analogs & derivatives/ ESTROGENS, urine/ FEMALE/ FETAL GROWTH RETARDATION, blood/ HUMAN/ INFANT, NEWBORN/ PRE-ECLAMPSIA, blood/ PREGNANCY IN DIABETES, blood/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY/ RADIOIMMUNOASSAY

166. **Ayalon N:** A review of embryonic mortality in cattle. J Reprod Fertil 54(2):483–93, Nov 78 (72 ref.)
ANIMAL NUTRITION/ ANIMAL/ BODY FLUIDS, metabolism/ BREEDING/ *CATTLE DISEASES, embryology/ CATTLE DISEASES, etiology/ CATTLE DISEASES, metabolism/ CATTLE/ CLIMATE/ ESTROGENS, metabolism/ FEMALE/ FERTILITY/ FERTILIZATION/ FETAL DEATH, etiology/ FETAL DEATH, metabolism/ *FETAL DEATH, veterinary/ PROGESTERONE, metabolism/ REVIEW/ UTERUS, secretion

167. **Ayres PJ, Hooper G:** Assessment of the skin penetration properties of different carrier vehicles for topically applied cortisol. Br J Dermatol 99(3):307–17, Sep 78
ANIMAL/ COMPARATIVE STUDY/ HISTOCYTOCHEMISTRY/ HYDROCORTISONE, TOPICAL, administration & dosage/ *HYDROCORTISONE, TOPICAL, metabolism/ *SKIN ABSORPTION/ SKIN, anatomy & histology/ SWINE/ VEHICLES

168. **Azhar S, Fanelli C, Menon KM:** Gonadotropin induced stimulation and desensitization of cyclic 3', 5' -adenosine monophosphate dependent protein kinase(s) in the rat ovary. Endocr Res Commun 5(1):1–19, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION, drug effects/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ IN VITRO/ KINETICS/ *OVARY, enzymology/ *PROTEIN KINASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

169. **Azhar S, Menon KM:** Stimulation of ribonucleic aicd synthesis in luteinized rat ovary by cyclic 3', 5'-adenosine monophosphate. Biol Reprod 19(2):346–57, Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ FEMALE/ MICROSOMES, metabolism/ NUCLEOTIDES, pharmacodynamics/ *OVARY, drug effects/ OVARY, metabolism/ *OVULATION/ POLY A/ RATS/ *RNA, biosynthesis/ *SUPEROVULATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URIDINE, metabolism

170. **Aziz S, Knowler JT:** Oestrogen-induced changes in the population of uterine polyribosomal polyadenylated RNA. Biochem Soc Trans 6(4):755-7, 1978
ANIMAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *POLY A, metabolism/ POLYRIBOSOMES, drug effects/ *POLYRIBOSOMES, metabolism/ RATS/ *RNA, MESSENGER, metabolism/ SEX MATURATION/ UTERUS, drug effects/ *UTERUS, metabolism

B

171. **Baba A, Baba T, Matsuda T, et al:** Centrally mediated hyperglycemia by 6-aminonicotinamide. J Nutr Sci Vitaminol (Tokyo) 24(4):429-35, 1978
ADRENALECTOMY/ ANIMAL/ BLOOD SUGAR, metabolism/ BRAIN, drug effects/ BRAIN, metabolism/ GLYCOGEN, metabolism/ HYPERGLYCEMIA, chemically induced/ *HYPERGLYCEMIA, metabolism/ HYPOGLYCEMIA, metabolism/ INSULIN, toxicity/ LIVER GLYCOGEN, metabolism/ LIVER, drug effects/ LIVER, metabolism/ MALE/ MICE/ *NICOTINAMIDE, analogs & derivatives/ *6-AMINONICOTINAMIDE, pharmacodynamics

172. **Babichev VN, Peryshkova TA:** Dinamika izmeneniia soderzhaniia retseptorov k éstradiolu v tsitozole gipotalamusa samok krys v khode postnatal'nogo razvitiia. Probl Endokrinol (Mosk) 24(6):55-9, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN/ BINDING SITES/ COMPARATIVE STUDY/ CYTOSOL, analysis/ DIETHYLSTILBESTROL/ ENGLISH ABSTRACT/ *ESTRADIOL/ FEMALE/ *HYPOTHALAMUS, analysis/ HYPOTHALAMUS, growth & development/ RATS/ *RECEPTORS, ESTROGEN, analysis/ TESTOSTERONE

173. **Baciu I, Derevenco P, Mureşan I, et al:** Undersea psychophysiologic reactions of human organism. Physiologie 15(3):151-6, Jul-Sep 78
ADULT/ *ATMOSPHERIC PRESSURE/ *DIVING/ ELECTROCARDIOGRAPHY/ EXERTION/ HUMAN/ MALE/ MOTOR SKILLS/ *REACTION TIME/ *TACHYCARDIA, etiology/ TELEMETRY/ 17-HYDROXYCORTICOSTEROIDS, urine

174. **Badder EM, Seaton JF, Harrison TS:** Arterial and venous catecholamine responses to passive orthostatic stimulation. Surg Forum 28:115-8, 1977
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ARM, blood supply/ ARTERIES/ *CATECHOLAMINES, blood/ EPINEPHRINE, blood/ HUMAN/ NOREPINEPHRINE, blood/ *POSTURE/ REGIONAL BLOOD FLOW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VEINS

175. **Bader CA, Monet JD, Funck-Brentano JL:** Calcium-induced modulation of the tubulin pool in parathyroid glands. Adv Exp Med Biol 103:519-28, 1978
ANIMAL/ BINDING SITES/ *CALCIUM, pharmacodynamics/ COLCHICINE, metabolism/ *GLYCOPROTEINS, metabolism/ IN VITRO/ KINETICS/ MICROTUBULES, metabolism/ PARATHYROID GLANDS, drug effects/ *PARATHYROID GLANDS, metabolism/ PARATHYROID GLANDS, ultrastructure/ RATS/ TIME FACTORS/ TUBULIN, isolation & purification/ *TUBULIN, metabolism

176. **Baev IA, Rupova IM:** Dominantnaia letal'nost' i translokatsii v polovykh kletkakh samtsov krys pri gamma-obluchenii nizkoĭ moshchnosti. Genetika 14(11):1991-5, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ GAMMA RAYS, adverse effects/ *GENES, DOMINANT, radiation effects/ *GENES, LETHAL, radiation effects/ MALE/ MUTATION, radiation effects/ PREGNANCY/ RATS/ SEX CHROMOSOMES, radiation effects/ *SPERMATOGONIA, radiation effects/ SPERMATOGONIA, ultrastructure/ *SPERMATOZOA, radiation effects/ TIME FACTORS/ *TRANSLOCATION (GENETICS), radiation effects

177. **Bagdade J, Yee E, Pykalisto OJ:** Parathyroid hormone and triglyceride transport: effects on triglyceride secretion rates and adipose tissue lipoprotein lipase in the rat. Horm Metab Res 10(5):443-6, Sep 78
ADIPOSE TISSUE, enzymology/ ANIMAL/ KIDNEY FAILURE, CHRONIC, metabolism/ *LIPOPROTEIN LIPASE, metabolism/ LIPOPROTEINS, VLDL, metabolism/ MALE/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ TRIGLYCERIDES, blood/ *TRIGLYCERIDES, metabolism/ TRIGLYCERIDES, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

178. **Bahl OP, Marz L, Kessler MJ:** Isolation and characterization of N- and O- glycosidic carbohydrate units of human chorionic gonadotropin. Biochem Biophys Res Commun 84(3):667-76, 16 Oct 78
CARBOHYDRATES, analysis/ GLYCOPEPTIDES, analysis/ GLYCOSIDES, analysis/ *GONADOTROPINS, CHORIONIC/ METHYLATION/ OXIDATION-REDUCTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

179. **Bailey CJ:** On the physiology and biochemistry of obesity. Sci Prog 65(259):365-93, Autumn 78 (105 ref.)
ADIPOSE TISSUE, cytology/ ANIMAL/ CALORIC INTAKE/ ENERGY METABOLISM/ FATTY ACIDS, metabolism/ GLUCOSE, metabolism/ HORMONES, physiology/ HUMAN/ KETONES, metabolism/ *OBESITY, physiopathology/ RATS/ REVIEW/ TRIGLYCERIDES, metabolism

180. **Bailie MD, Derkx FM, Schalekamp MA:** Release of active and inactive renin by the porcine kidney. Circ Res 44(1):32-7, Jan 79
ANIMAL/ FUROSEMIDE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY, secretion/ PLASMA VOLUME/ PROPRANOLOL, pharmacodynamics/ RENIN, blood/ RENIN, isolation & purification/ *RENIN, secretion/ SODIUM CHLORIDE, pharmacodynamics/ STIMULATION, CHEMICAL/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

181. **Baĭrakova A, Baev I, Kalina I:** Khromosomnye translokatsii, vyzvannye v polovykh kletkakh samtsov myshei kombinirovannym vozdeĭstviem khronicheskogo gamma- i ostrogo rentgenovskogo oblucheniia. Kosm Biol Aviakosm Med 12(6):72-3, Nov-Dec 78 **(Rus)**
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ GAMMA RAYS, adverse effects/ MALE/ MICE/ *SEX CHROMOSOMES, radiation effects/ TIME FACTORS/ *TRANSLOCATION (GENETICS), radiation effects/ X-RAYS, adverse effects

182. **Baĭsogolov GD, Pavlov VV, Isaev IG, et al:** Neposredstvennaia effektivnost' polikhimioterapii po skheme COPP pri limfogranulematoze. Ter Arkh 50(7):59-62, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ *CYCLOPHOSPHAMIDE, administration & dosage/ DRUG ADMINISTRATION SCHEDULE/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISOLONE, administration & dosage/ *PROCARBAZINE, administration & dosage/ *VINCRISTINE, administration & dosage

183. **Bajo M, Szányiová M, Leng L:** Vplyv antidiuretického hormónu na renálnu exkréciu močoviny a elektrolytov u kremených a hladujúcich oviec. Vet Med (Praha) 23(11):691-6, Nov 78 (Eng. Abstr.) **(Slo)**
ANIMAL/ *ELECTROLYTES, urine/ ENGLISH ABSTRACT/ FASTING/ KIDNEY, metabolism/ *SHEEP, metabolism/ TIME FACTORS/ *UREA, urine/ *VASOPRESSINS, pharmacodynamics

184. **Bajusz S, Patthy A, Kenessey A, et al:** Is there correlation between analgesic potency and biodegradation of enkephalin analogs? Biochem Biophys Res Commun 84(4):1045-53, 30 Oct 78
AMINOPEPTIDASES/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BIOLOGICAL ASSAY/ *BRAIN, metabolism/ *ENDORPHINS, metabolism/ ENKEPHALINS, blood/ *ENKEPHALINS,

metabolism/ ENKEPHALINS, pharmacodynamics/ HUMAN/ PROLINE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

185. **Baker PC, Hoff KM, Buda RE:** Exogenous melatonin and melanophore development in Xenopus. Experientia 34(11):1521–2, 15 Nov 78
ANIMAL/ LARVA/ *MELANOPHORES, drug effects/ *MELATONIN, pharmacodynamics/ XENOPUS, growth & development

186. **Baker PF, Whitaker MJ:** Influence of ATP and calcium on the cortical reaction in sea urchin eggs. Nature 276(5687):513–5, 30 Nov 78
A-23187, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CYANIDES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ EXOCYTOSIS, drug effects/ *OVUM, drug effects/ *SEA URCHINS, physiology

187. **Baker PF, Knight DE:** Calcium-dependent exocytosis in bovine adrenal medullary cells with leaky plasma membranes. Nature 276(5688):620–2, 7 Dec 78
ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADRENAL MEDULLA, drug effects/ *ADRENAL MEDULLA, physiology/ ANIMAL/ *CALCIUM, pharmacodynamics/ CATECHOLAMINES, secretion/ CATTLE/ CELL MEMBRANE PERMEABILITY/ DOPAMINE BETA-HYDROXYLASE, secretion/ ELECTRIC STIMULATION/ *EXOCYTOSIS, drug effects/ LACTATE DEHYDROGENASE, secretion/ MAGNESIUM, pharmacodynamics

188. **Baker RW, Tuttle ME, Lonsdale HK, et al:** Development of an estriol-releasing intrauterine device. J Pharm Sci 68(1):20–6, Jan 79
CHEMISTRY, PHARMACEUTICAL, instrumentation/ DELAYED-ACTION PREPARATIONS/ DRUG STABILITY/ *ESTRIOL, administration & dosage/ *INTRAUTERINE DEVICES, MEDICATED/ MEMBRANES, ARTIFICIAL/ MODELS, BIOLOGICAL/ PERMEABILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

189. **Balázs G, Csáky G, Lukács G, et al:** Gemeinsames Vorkommen von Hyperthyreose und Schilddrüsencarcinom. Chirurg 49(11):699–703, Nov 78 (Eng. Abstr.) **(Ger)**
ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADULT/ CARCINOMA, PAPILLARY, complications/ CARCINOMA, PAPILLARY, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology

190. **Balemans MG, Bary FA, Legerstee WC, et al:** Estimation of the methylating capacity in the pineal gland of the rat with special reference to the methylation of N-acetylserotonin and 5-hydroxytryptophol separately. Experientia 34(11):1434–5, 15 Nov 78
ACETYLSEROTONIN METHYLTRANSFERASE, metabolism/ *HYDROXYTRYPTOPHOL, metabolism/ *INDOLES, metabolism/ METHYLATION/ *PINEAL BODY, metabolism/ *SEROTONIN, analogs & derivatives/ SEROTONIN, metabolism

191. **Balentine JD, Spector M:** Calcification of axons in experimental spinal cord trauma. Ann Neurol 2(6):520–3, Dec 77
ANIMAL/ AXONS, metabolism/ *AXONS, pathology/ *CALCINOSIS, pathology/ CALCIUM, metabolism/ HYDROXYAPATITES, metabolism/ MALE/ NECROSIS/ PARAPLEGIA, pathology/ RATS/ SPINAL CORD INJURIES, metabolism/ *SPINAL CORD INJURIES, pathology/ SPINAL CORD, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

192. **Ballard RA, Ballard PL, Granberg JP, et al:** Prenatal administration of betamethasone for prevention of respiratory distress syndrome. J Pediatr 94(1):97–101, Jan 79
*BETAMETHASONE, therapeutic use/ BIRTH WEIGHT/ FETAL MEMBRANES, PREMATURE RUPTURE, complications/ HUMAN/ INFANT, NEWBORN/ RESPIRATORY DISTRESS SYNDROME, complications/ *RESPIRATORY DISTRESS SYNDROME, prevention & control/ RETROSPECTIVE STUDIES/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

193. **Ballardin A, Fischman AJ, Gibbons WA, et al:** Conformational studies on [Pro3, Gly4]-oxytocin in dimethyl sulfoxide by 1H nuclear magnetic resonance spectroscopy: evidence for a type II beta turn in the cyclic moiety. Biochemistry 17(21):4443–54, 17 Oct 78
DIMETHYL SULFOXIDE/ *GLYCINE/ NUCLEAR MAGNETIC RESONANCE/ *OXYTOCIN/ *PROLINE/ PROTEIN CONFORMATION/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

194. **Balnave D, Farrell DJ, Wolfenden JB, et al:** The effect of ovariectomy on liver metabolism and maintenance energy requirement of hens. Br Poult Sci 19(5):583–90, Sep 78
ANIMAL/ *CASTRATION, veterinary/ *CHICKENS, metabolism/ *ENERGY METABOLISM/ FEMALE/ LIPIDS, metabolism/ *LIVER, metabolism

195. **Balsan S, Lévy D, Guéris J, et al:** Les effets de la 1alpha-hydroxyvitamine D3 sur l'hyperparathyroïdie de l'enfant en hémodialyse chronique.
Ann Endocrinol (Paris) 39(3):221–2, 1978 (Eng. Abstr.) **(Fre)**
CHILD/ ENGLISH ABSTRACT/ *HEMODIALYSIS, adverse effects/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ *HYPERPARATHYROIDISM, drug therapy/ HYPERPARATHYROIDISM, etiology/ TIME FACTORS

196. **Balthazart J:** Behavioural and physiological effects of testosterone propionate and cyproterone acetate in immature male domestic ducks, Anas platyrhynchos. Z Tierpsychol 47(4):410–21, Aug 78
AGGRESSION, drug effects/ ANIMAL/ ANIMALS, DOMESTIC/ *BEHAVIOR, ANIMAL, drug effects/ *CYPROTERONE, pharmacodynamics/ DUCKS, physiology/ FEMALE/ MALE/ SEX FACTORS/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics

197. **Bambach CP, Reeve TS:** Parathyroid identification by methylene blue infusion. Aust NZ J Surg 48(3):314–7, Jun 78
ADENOMA, pathology/ HUMAN/ *HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ HYPERPLASIA, pathology/ INFUSIONS, PARENTERAL/ *METHYLENE BLUE, administration & dosage/ *PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, pathology/ STAINS AND STAINING

198. **Bandle E, Guidotti A:** Studies on the cell location of cyclic 3',5'-guanosine monophosphate-dependent protein kinase in cerebellum. Brain Res 156(2):412–6, 10 Nov 78
AFFERENT PATHWAYS, enzymology/ ANIMAL/ BINDING SITES/ CEREBELLUM, cytology/ *CEREBELLUM, enzymology/ DENDRITES, enzymology/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MALE/ MICE/ MICE, NEUROLOGIC MUTANTS/ NEURONS, enzymology/ *PROTEIN KINASE, metabolism/ PURKINJE CELLS, enzymology/ RATS

199. **Banerjee AK, Brocklehurst JC, Wainwright H, et al:** Nutritional status of long-stay geriatric in-patients: effects of a food supplement (Complan). Age Ageing 7(4):237–43, Nov 78
AGED/ ASCORBIC ACID DEFICIENCY/ FEMALE/ *FOOD, FORTIFIED/ *GERIATRICS/ HOSPITALIZATION/ HUMAN/ *LONG TERM CARE/ MALE/ MIDDLE AGE/ NICOTINIC ACIDS, deficiency/ *NUTRITION/ NUTRITIONAL REQUIREMENTS/ SKIN, physiology/ SKINFOLD THICKNESS/ UREA, blood/ VITAMIN D DEFICIENCY, therapy

200. **Banet M, Hensel H, Liebermann H:** The central control of shivering and non-shivering thermogenesis in the rat.
J Physiol (Lond) 283:569–84, Oct 78
ANIMAL/ *BODY TEMPERATURE REGULATION/ *HYPOTHALAMUS, physiology/ MALE/ NOREPINEPHRINE, pharmacodynamics/ OXYGEN CONSUMPTION, drug effects/ PREOPTIC AREA, drug effects/ *PREOPTIC AREA, physiology/

PROPRANOLOL, pharmacodynamics/ RATS/ *SHIVERING/ SPINAL CORD, drug effects/ *SPINAL CORD, physiology

201. **Banga JP, Anderton BH, Roitt IM:** Separation of membrane proteins in an undenatured form by isoelectric focusing. Anal Biochem 89(2):348–54, Sep 78
ANIMAL/ CELL MEMBRANE, analysis/ ERYTHROCYTE MEMBRANE, analysis/ HUMAN/ INTRACELLULAR MEMBRANES, analysis/ ISOELECTRIC FOCUSING, methods/ LYMPHOCYTES, analysis/ MEMBRANE PROTEINS, blood/ *MEMBRANE PROTEINS, isolation & purification/ MICROSOMES, analysis/ PROTEIN DENATURATION/ SWINE/ THYROID GLAND, analysis

202. **Bangham CR, Hackett PH:** Effects of high altitude on endocrine function in the Sherpas of Nepal. J Endocrinol 79(1):147–8, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ALTITUDE/ *ETHNIC GROUPS/ *FERTILITY/ HUMAN/ LH, blood/ MALE/ MIDDLE AGE/ NEPAL

203. **Bankowski K, Manning M, Haldar J, et al:** Design of potent antagonists of the vasopressor response to arginine-vasopressin. J Med Chem 21(9):850–3, Sep 78
ANIMAL/ ARGIPRESSIN, analogs & derivatives/ *ARGIPRESSIN, antagonists & inhibitors/ ARGIPRESSIN, chemical synthesis/ ARGIPRESSIN, pharmacodynamics/ *BLOOD PRESSURE, drug effects/ DIURESIS, drug effects/ FEMALE/ METHODS/ METHYLTYROSINES, pharmacodynamics/ OLIGOPEPTIDES, chemical synthesis/ OLIGOPEPTIDES, pharmacodynamics/ PENICILLAMINE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERINE CONTRACTION, drug effects

204. **Bansal VK, Popli S, Ing TS, et al:** Intraperitoneal infusion of a nonabsorbable steroid in hemodialysis-associated ascites. J Dial 2(4):379–85, 1978
*ASCITES, etiology/ *HEMODIALYSIS, adverse effects/ HUMAN/ INFUSIONS, PARENTERAL/ *TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use

205. **Baraban JM, Wang RY, Aghajanian G:** Reserpine suppression of dorsal raphe neuronal firing: mediation by adrenergic system. Eur J Pharmacol 52(1):27–36, 1 Nov 78
P-CHLOROAMPHETAMINE, pharmacodynamics/ ADRENERGIC FIBERS, drug effects/ AMPHETAMINE, pharmacodynamics/ ANIMAL/ BRAIN CHEMISTRY, drug effects/ *BRAIN STEM, drug effects/ CLONIDINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ HYDROXYDOPAMINE, analysis/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ *NEURAL TRANSMISSION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *RAPHE NUCLEI, drug effects/ RATS/ *RESERPINE, pharmacodynamics/ SEROTONIN, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

206. **Barabe P, Berger P, Charles D, et al:** La drépanocytose: étude physiopathologique. Med Trop (Mars) 38(2):141–50, Mar-Apr 78 (Eng. Abstr.) **(Fre)**
ANEMIA, SICKLE CELL, familial & genetic/ *ANEMIA, SICKLE CELL, physiopathology/ ANEMIA, SICKLE CELL, transmission/ BONE AND BONES, physiopathology/ BRAIN, physiopathology/ ENGLISH ABSTRACT/ GENES, STRUCTURAL/ HEART, physiopathology/ HUMAN/ KIDNEY, physiopathology/ LUNG, physiopathology

207. **Baranov VG, Beskrovnaia NI, Savchenko ON, et al:** Lechebnyĭ éffekt klomifena pri gormonal'nom besplodii razlichnogo geneza. Akush Ginekol (Mosk) (10):9–13, 1978 (Eng. Abstr.) **(Rus)**
ANOVULATION, drug therapy/ CLINICAL RESEARCH/ *CLOMIPHENE, therapeutic use/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, drug therapy/ MENSTRUATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology

208. **Baranova MN:** Vplyv riznykh rezhymiv insoliatsiĭ hrupovykh prymishchen' na poshyrenist' i tiazhist' zakhvoriuvannia na rakhit u diteĭ iasel'noho viku. Pediatr Akush Ginekol (5):26–8, Sep-Oct 78 **(Ukr)**
HUMAN/ INFANT/ *NURSERIES/ *RICKETS, occurrence/ *SUNLIGHT/ TIME FACTORS/ UKRAINE

209. **Baranowska B, Jeske W, Banaś L, et al:** Stan hormonalny chorych z anorexia nervosa. Pol Tyg Lek 33(45):1753–6, 6 Nov 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ ANOREXIA NERVOSA, blood/ *ANOREXIA NERVOSA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ *HORMONES, blood/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology

210. **Baranowska B, Jeske W, Niewiadomska A, et al:** Zaburzenia regulacji podwzgórzowo-przysadkowo-gonadowej w anorexia nervosa. Endokrynol Pol 29(6):475–84, Nov-Dec 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ *ANOREXIA NERVOSA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *OVARY, physiopathology

211. **Baranowska B:** Patofizjologia i leczenie zaburzeń hormonalnych w przeroście gruczołu krokowego. Endokrynol Pol 29(6):543–56, Nov-Dec 78 (Eng. Abstr.) **(Pol)**
AGED/ ENGLISH ABSTRACT/ FEEDBACK/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATIC HYPERTROPHY, drug therapy/ *PROSTATIC HYPERTROPHY, physiopathology/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, therapeutic use

212. **Barash LI, Przheliaskovskiĭ GA:** Dinamika nekotorykh biokhimicheskikh pokazateleĭ u bol'nykh s ochagovymi porazheniiami kostnoĭ sistemy pod vliianiem tuberkulina. Probl Tuberk (10):44–9, Oct 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ INJECTIONS, INTRADERMAL/ MALE/ NOREPINEPHRINE, urine/ *OSTEITIS, urine/ *OSTEOMYELITIS, urine/ *TUBERCULIN, administration & dosage/ *TUBERCULOSIS, OSTEOARTICULAR, urine/ 17-HYDROXYCORTICOSTEROIDS, urine

213. **Barber DL, Scadding SR:** Effect of amputation and limb regeneration on the pars distalis of the newt, Notophthalmus viridescens. Experientia 34(9):1209, 15 Sep 78
ANIMAL/ EXTREMITIES, physiology/ *NEWTS, physiology/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, physiology/ *REGENERATION/ *SALAMANDERS, physiology

214. **Barber SG:** Melatonin as a marker for pineal tumours [letter] Br Med J 2(6141):896, 23 Sep 78
*BRAIN NEOPLASMS, secretion/ DIURNAL RHYTHM/ HUMAN/ *MELATONIN, secretion/ *PINEAL BODY

215. **Barbieri RL, Canick JA, Ryan KJ:** Estrogen 2-hydroxylase: activity in rat tissues. Steroids 32(4):529–38, Nov 78
ANIMAL/ BRAIN, enzymology/ CASTRATION/ CATECHOL METHYLTRANSFERASE, metabolism/ COMPARATIVE STUDY/ ESTROGENS/ FEMALE/ KIDNEY, enzymology/ MALE/ MICROSOMES, drug effects/ *MICROSOMES, enzymology/ MICROSOMES, LIVER, enzymology/ OVARY, enzymology/ PHENOBARBITAL, pharmacodynamics/ RATS/ *STEROID HYDROXYLASES, metabolism/ SUBCELLULAR FRACTIONS, enzymology/ SUBSTRATE SPECIFICITY/ TESTIS, enzymology/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

216. **Barbour GL, Day JO:** Asymptomatic Bartter's syndrome. South Med J 71(11):1341–4, 1349, Nov 78
ANGIOTENSIN II, diagnostic use/ *BARTTER'S DISEASE, diagnosis/ BARTTER'S DISEASE, drug therapy/ BARTTER'S DISEASE, physiopathology/ CASE REPORT/ DRUG THERAPY, COMBINATION/ HUMAN/ *HYPERALDOSTERONISM, diagnosis/ HYPOKALEMIA, etiology/ INDOMETHACIN, therapeutic use/ KIDNEY CONCENTRATING

ABILITY/ KIDNEY, physiopathology/ MAGNESIUM, blood/ MALE/ MIDDLE AGE/ POTASSIUM, urine/ SODIUM, urine/ SPIRONOLACTONE, therapeutic use

217. **Barbour GL, Keller AW Jr:** Distal renal tubular acidosis in selective hypoaldosteronism. South Med J 71(11):1397–400, Nov 78
*ACIDOSIS, RENAL TUBULAR, complications/ ACIDOSIS, RENAL TUBULAR, physiopathology/ AGED/ *ALDOSTERONE, deficiency/ ALDOSTERONE, metabolism/ CASE REPORT/ ELECTROPHYSIOLOGY/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYDROGEN, metabolism/ HYPERKALEMIA, complications/ HYPERKALEMIA, drug therapy/ INTESTINAL MUCOSA, physiology/ KIDNEY TUBULES, PROXIMAL, physiopathology/ MALE/ POTASSIUM, metabolism/ RECTUM/ RENIN, blood

218. **Barchilon J:** A clinical report--a case of a failed abortion. Med Trial Tech Q 24(3):257–89, Winter 78
*ABORTION, INDUCED/ ADULT/ CASE REPORT/ *DILATATION AND CURETTAGE/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ LEIOMYOMA, diagnosis/ *MALPRACTICE/ MASSACHUSETTS/ NEW YORK/ PREGNANCY TESTS/ PREGNANCY/ UTERINE NEOPLASMS, diagnosis

219. **Barco A, Benetti S, Pollini GP, et al:** Synthesis and prostaglandin-like activity of 2-(trans-3-hydroxy-1-octenyl)-3-indoleheptanoic acid. J Med Chem 21(9):988–90, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ GUINEA PIGS/ HEPTANOIC ACIDS, chemical synthesis/ HEPTANOIC ACIDS, pharmacodynamics/ IN VITRO/ *INDOLES, chemical synthesis/ INDOLES, pharmacodynamics/ LIVER, drug effects/ LIVER, metabolism/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS E, antagonists & inhibitors/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS E, SYNTHETIC, chemical synthesis/ RATS

220. **Bardare M, Pietrogrande MC, Corona F, et al:** Immune status in children with acute lymphocytic leukemia. Observations in 67 cases. Helv Paediatr Acta 33(3):241–50, Aug 78
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ IMMUNOGLOBULINS, analysis/ INFANT/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, immunology/ MERCAPTOPURINE, therapeutic use/ PREDNISONE, therapeutic use/ REMISSION/ ROSETTE FORMATION/ T-LYMPHOCYTES, immunology/ VINCRISTINE, therapeutic use

221. **Baritussio A, Enzi G, Rigon G, et al:** Effect of anorexiant drugs on growth hormone secretion in obese children. Pharmacol Res Commun 10(6):529–40, Jun 78
ADOLESCENCE/ *APPETITE DEPRESSANTS, pharmacodynamics/ ARGININE, diagnostic use/ BODY WEIGHT/ CHILD/ DIET/ FEMALE/ FENFLURAMINE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN ANTIBODIES, analysis/ MALE/ MAZINDOL, pharmacodynamics/ *OBESITY, metabolism/ *SOMATOTROPIN, secretion/ TIME FACTORS

222. **Barkley MS, Bradford GE, Geschwind II:** The pattern of plasma prolactin concentration during the first half of mouse gestation. Biol Reprod 19(2):291–6, Sep 78
ANIMAL/ COMPARATIVE STUDY/ DIURNAL RHYTHM/ FEMALE/ MICE/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROLACTIN, blood/ SPECIES SPECIFICITY

223. **Barlet JP, Argemi B, Davicco MJ, et al:** Plasma concentrations of 25-hydroxy vitamin D in pregnant and lactating ewes and foetal and newborn lambs. J Endocrinol 79(1):149–50, Oct 78
ANIMAL/ *ANIMALS, NEWBORN, blood/ FEMALE/ *FETAL BLOOD, analysis/ *HYDROXYCHOLECALCIFEROLS, blood/ *LACTATION/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SHEEP, blood

224. **Barlet JP, Davicco MJ, Lefaivre J, et al:** Endocrine regulation of plasma phosphate in sheep fetuses with catheters implanted in utero. Adv Exp Med Biol 103:243–56, 1978
ANIMAL/ CALCITONIN, pharmacodynamics/ CALCIUM, blood/ CATHETERIZATION/ FEMALE/ *FETUS, metabolism/ *HORMONES, pharmacodynamics/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ MAGNESIUM, blood/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, blood/ PREGNANCY/ SHEEP

225. **Barletta MA, Staab R, Lau Cam C, et al:** Effects of pharmacological intervention on infarct size following induced myocardial infarction in rats. J Pharm Sci 67(11):1643–5, Nov 78
ANIMAL/ CREATINE KINASE, metabolism/ HYALURONIDASE, therapeutic use/ INSULIN, therapeutic use/ ISOPROTERENOL, therapeutic use/ MALE/ MYOCARDIAL INFARCTION, drug therapy/ MYOCARDIAL INFARCTION, enzymology/ *MYOCARDIAL INFARCTION, pathology/ NECROSIS/ POTASSIUM, therapeutic use/ PREDNISOLONE, therapeutic use/ RATS

226. **Barlow B, Fajolu O, Leblanc W:** Hydatid torsion. Am J Dis Child 132(12):1216–7, Dec 78
CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ *MULLERIAN DUCTS/ *OVARIAN CYSTS, diagnosis/ *SPERMATIC CORD TORSION, diagnosis/ TORSION

227. **Barlow SM, Knight AF, Sullivan FM:** Delay in postnatal growth and development of offspring produced by maternal restraint stress during pregnancy in the rat. Teratology 18(2):211–8, Oct 78
ANIMAL/ BEHAVIOR, ANIMAL/ BODY WEIGHT/ CORTICOSTERONE, blood/ FEMALE/ GESTATIONAL AGE/ *GROWTH/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ *RESTRAINT, PHYSICAL, adverse effects/ TIME FACTORS

228. **Barnett AH, Gould MI:** Hyperprolactinaemia and Graves' disease [letter] Lancet 2(8101):1210, 2 Dec 78
ADULT/ CASE REPORT/ FEMALE/ *GOITER, EXOPHTHALMIC, chemically induced/ HUMAN/ PROLACTIN, antagonists & inhibitors/ *PROLACTIN, blood/ 2-BROMOERGOCRYPTINE, therapeutic use

229. **Baron D, Nicolas F:** Complications postopératoires en dehors de la sphère respiratoire chez l'insuffisant respiratoire chronique. Anesth Analg (Paris) 35(4):699–711, Jul-Aug 78 **(Fre)**
ACID-BASE IMBALANCE, etiology/ ADRENAL CORTEX HORMONES, adverse effects/ CARDIOVASCULAR DISEASES, etiology/ CHRONIC DISEASE/ DIURETICS, adverse effects/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HERNIA, etiology/ HUMAN/ KIDNEY DISEASES, etiology/ *POSTOPERATIVE COMPLICATIONS/ PULMONARY EMBOLISM, etiology/ *RESPIRATORY INSUFFICIENCY, complications/ RESPIRATORY TRACT INFECTIONS, etiology/ SURGICAL WOUND INFECTION, etiology/ THROMBOEMBOLISM, etiology/ WATER-ELECTROLYTE IMBALANCE, etiology

230. **Baron J, Warenik-Szymankiewicz A, Bucko J, et al:** Radioimmunologiczne oznaczanie wartości FSH i LH w surowicy krwi kobiet z zespołem podwzgorzowym. Endokrynol Pol 29(6):485–90, Nov-Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ *BRAIN DISEASES, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ HUMAN/ *HYPOTHALAMUS/ HYPOTHALAMUS, physiopathology/ *LH, blood/ MIDDLE AGE/ RADIOIMMUNOASSAY

231. **Barsegian BA:** Izmenenie aktivnosti renina v plazme krovi u bol'nykh khronicheskoĭ pochechnoĭ nedostatochnosti'iu v protsesse lecheniia gemodializom. Ter Arkh 50(7):127–9, 1978 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ *HEMODIALYSIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, therapy/ *RENIN, blood

232. **Barsky D:** Unusual tumor of the iris: a rare initial clinical

manifestation of metastatic adenocarcinoma of the tail of the pancreas. Ann Ophthalmol 10(11):1539–43, Nov 78
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ CASE REPORT/ EYE NEOPLASMS, complications/ *EYE NEOPLASMS, diagnosis/ EYE NEOPLASMS, pathology/ GLAUCOMA, etiology/ HUMAN/ *IRIS, pathology/ LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PANCREATIC NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, pathology

233. **Bartfai T, Breakefield XO, Greengard P:** Regulation of synthesis of guanosine 3':5'-cyclic monophosphate in neuroblastoma cells. Biochem J 176(1):119–27, 15 Oct 78
A-23187, pharmacodynamics/ CALCIUM, pharmacodynamics/ CARBACHOL, pharmacodynamics/ CELL LINE/ ENZYME ACTIVATION, drug effects/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ GUANYL CYCLASE, metabolism/ KINETICS/ *NEUROBLASTOMA, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

234. **Barton RW, Goldschneider I:** 5'-Nucleotidase activity in subpopulations of rat lymphocytes. J Immunol 121(6):2329–34, Dec 78
ANIMAL/ CELL MEMBRANE, enzymology/ CELL SEPARATION/ CORTISONE, pharmacodynamics/ FEMALE/ HISTOCYTOCHEMISTRY/ LYMPHOCYTE DEPLETION/ *LYMPHOCYTES, enzymology/ MALE/ *NUCLEOTIDASES/ RABBITS/ RATS/ RATS, INBRED LEW/ T-LYMPHOCYTES, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

235. **Barwin BN:** Recent advances in the pharmacologic regulation of fertility in men. Can Med Assoc J 119(7):757–9, 7 Oct 78
ALKYLATING AGENTS, pharmacodynamics/ ANDROGEN ANTAGONISTS, pharmacodynamics/ ANTISPERMATOGENIC AGENTS/ CHLOROHYDRINS, pharmacodynamics/ *CONTRACEPTIVE AGENTS, MALE/ DANAZOL, pharmacodynamics/ DIAMINES, pharmacodynamics/ HUMAN/ MALE/ MEDROXYPROGESTERONE, pharmacodynamics/ NITROFURANS, pharmacodynamics/ SEMINIFEROUS TUBULES, drug effects/ SPERMATOZOA, drug effects/ TESTOSTERONE, pharmacodynamics

236. **Basista M, Dobranowski J, Gryglewski RJ:** Prostacyclin and thromboxane generating systems in rabbits pretreated with aspirin. Pharmacol Res Commun 10(8):759–63, Sep 78
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ ARACHIDONIC ACIDS, pharmacodynamics/ *ASPIRIN, pharmacodynamics/ CELIAC ARTERY, drug effects/ CELIAC ARTERY, metabolism/ FEMALE/ IN VITRO/ MALE/ MESENTERIC ARTERIES, drug effects/ MESENTERIC ARTERIES, metabolism/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ *THROMBOXANES, biosynthesis

237. **Baskerville A, Bowen ET, Platt GS, et al:** The pathology of experimental Ebola virus infection in monkeys. J Pathol 125(3):131–8, Jul 78
ANIMAL/ CERCOPITHECUS PYGERYTHRUS/ FEMALE/ *HEMORRHAGIC FEVERS, VIRAL, pathology/ KIDNEY, pathology/ LIVER, pathology/ LUNG, pathology/ MALE/ MONKEYS/ RHABDOVIRUSES/ RHESUS MONKEYS/ TESTIS, pathology

238. **Bass JJ, Peterson AJ, Payne E:** Plasma concentrations of luteinizing hormone, testosterone and androstenedione in castrated and adrenalectomized bull calves. J Endocrinol 79(1):137–8, Oct 78
ADRENALECTOMY/ *ANDROSTENEDIONE, blood/ ANIMAL/ CASTRATION/ *CATTLE, physiology/ *LH, blood/ MALE/ *TESTOSTERONE, blood

239. **Basu R, Chatterjee A:** The possible mode of action of prostaglandins: XIV. Evidence of an involvement of progesterone in the initiation of prostaglandin F2a-induced premature labor in rats. Contraception 18(3):225–31, Sep 78
ANIMAL/ CORPUS LUTEUM, surgery/ FEMALE/ *LABOR, INDUCED/ MALE/ OVARY, surgery/ PREGNANCY/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ TIME FACTORS

240. **Batt RA, Wilson CA, Topping DL:** Potentiation of hyperphagia and relief of hypothermia in the genetically obese mouse (genotype, ob/ob) by alpha-methyl tyrosine. Int J Obes 2(3):303–7, 1978
ANIMAL/ *APPETITE DISORDERS, chemically induced/ *APPETITE, drug effects/ *BODY TEMPERATURE, drug effects/ BODY WEIGHT, drug effects/ COMPARATIVE STUDY/ ENZYME INHIBITORS, administration & dosage/ *ENZYME INHIBITORS, pharmacodynamics/ *FEEDING BEHAVIOR, drug effects/ GENOTYPE/ HYPOTHALAMUS, drug effects/ INJECTIONS, INTRAPERITONEAL/ MICE/ NOREPINEPHRINE, secretion/ *OBESITY, familial & genetic/ STIMULATION, CHEMICAL/ *TYROSINE HYDROXYLASE, administration & dosage/ TYROSINE HYDROXYLASE, antagonists & inhibitors

241. **Batt RM, Wells G, Peters TJ:** The effects of prednisolone on the rat enterocyte at a subcellular level.
Clin Sci Mol Med 55(5):435–43, Nov 78
ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ *INTESTINAL MUCOSA, drug effects/ MALE/ MICROVILLI, drug effects/ MICROVILLI, enzymology/ MICROVILLI, ultrastructure/ *PREDNISOLONE, pharmacodynamics/ RATS/ RNA, analysis/ SUBCELLULAR FRACTIONS, drug effects/ SUBCELLULAR FRACTIONS, enzymology

242. **Baud CA, Lagier R, Boivin G, et al:** Value of the bone biopsy in the diagnosis of industrial fluorosis.
Virchows Arch [Pathol Anat] 380(4):283–97, 4 Dec 78
AGED/ BIOPSY/ BONE AND BONES, analysis/ *BONE AND BONES, pathology/ FLUORINE, analysis/ *FLUORINE, poisoning/ HUMAN/ MALE/ MIDDLE AGE/ *OCCUPATIONAL DISEASES, diagnosis/ OCCUPATIONAL DISEASES, pathology

243. **Bauer CR, Fojaco RM, Bancalari E, et al:** Microangiopathic hemolytic anemia and thrombocytopenia in a neonate associated with a large placental chorioangioma.
Pediatrics 62(4):574–7, Oct 78
*ANEMIA, HEMOLYTIC, CONGENITAL, etiology/ CASE REPORT/ FEMALE/ *HEMANGIOMA, complications/ HEMANGIOMA, pathology/ HUMAN/ HYDRAMNIOS, etiology/ INFANT, NEWBORN/ LABOR, PREMATURE, etiology/ *PLACENTA DISORDERS, complications/ PLACENTA DISORDERS, pathology/ PLACENTA, pathology/ PRE-ECLAMPSIA, etiology/ PREGNANCY/ *THROMBOPENIA, etiology

244. **Bauer HJ:** Problems of symptomatic therapy in multiple sclerosis. Neurology (Minneap) 29(9 Pt 2):8–20, Sep 78
ADRENAL CORTEX HORMONES, therapeutic use/ ATAXIA, therapy/ CONSTIPATION, therapy/ CORTICOTROPIN, therapeutic use/ FEMALE/ HUMAN/ MALE/ MULTIPLE SCLEROSIS, complications/ MULTIPLE SCLEROSIS, physiopathology/ *MULTIPLE SCLEROSIS, therapy/ SPASM, therapy/ URINATION DISORDERS, therapy

245. **Baulieu JL, Leger FA, Savoie JC:** Traitement de l'hyperthyroïdie par l'iode 131. Chirurgie 104(4):702–6, Jun 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, prevention & control/ IODINE RADIOISOTOPES, adverse effects/ *IODINE RADIOISOTOPES, therapeutic use

246. **Baulieu JL:** Exploration thyroïdienne. Soins 23(23):45–8, 50, 5 Dec 78 **(Fre)**
HUMAN/ *THYROID FUNCTION TESTS

247. **Baulieu JL:** Thérapeutique par les hormones thyroïdiennes. Soins 23(23):51–2, 5 Dec 78 **(Fre)**
HUMAN/ *THYROID HORMONES, therapeutic use

248. **Baulieu JL:** Thérapeutique par l'iode 131. Soins 23(23):53–4, 5 Dec 78 **(Fre)**

HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, therapeutic use/ *THYROID NEOPLASMS, radiotherapy

249. **Baulieu JL:** Hypothyroïdies et hyperthyroïdies induites par l'iode. Soins 23(23):29–30, 5 Dec 78 **(Fre)**
HUMAN/ *HYPERTHYROIDISM, chemically induced/ *HYPOTHYROIDISM, chemically induced/ *IODINE, adverse effects

250. **Baulieu JL:** Glande thyroïde: anatomie et physiologie. Soins 23(23):5–8, 5 Dec 78 **(Fre)**
HUMAN/ *THYROID GLAND/ THYROID GLAND, anatomy & histology/ THYROID GLAND, physiology

251. **Bauminger S:** Differences in prostaglandin formation between thymocyte subpopulations. Prostaglandins 16(3):351–5, Sep 78
AGGLUTINATION/ ANIMAL/ HYDROCORTISONE, pharmacodynamics/ MICE/ *PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS E, biosynthesis/ T-LYMPHOCYTES, enzymology/ *T-LYMPHOCYTES, metabolism/ *THYMUS GLAND, cytology/ THYMUS GLAND, enzymology/ THYMUS GLAND, metabolism

252. **Baxter RC, Turtle JR:** Regulation of hepatic growth hormone receptors by insulin. Biochem Biophys Res Commun 84(2):350–7, 29 Sep 78
ANIMAL/ BINDING, COMPETITIVE/ *DIABETES MELLITUS, EXPERIMENTAL, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INSULIN, blood/ *INSULIN, pharmacodynamics/ INTRACELLULAR MEMBRANES, metabolism/ KINETICS/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ RATS/ RECEPTORS, HORMONE, drug effects/ *RECEPTORS, HORMONE, metabolism/ RECEPTORS, INSULIN, metabolism/ *SOMATOTROPIN, metabolism/ STREPTOZOTOCIN, pharmacodynamics

253. **Bayer PM:** Isoenzyme--Methodik und klinisch-diagnostische Bedeutung. Wien Klin Wochenschr [Suppl] 90(91):1–21, 1978 (123 ref.) (Eng. Abstr.) **(Ger)**
ALKALINE PHOSPHATASE, blood/ BINDING, COMPETITIVE/ BLOOD-BRAIN BARRIER/ CHYLOPERITONEUM, diagnosis/ CHYLOTHORAX, diagnosis/ CREATINE KINASE, blood/ DIAGNOSIS, DIFFERENTIAL/ DITHIOTHREITOL/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ GENETICS, BIOCHEMICAL/ HEMODIALYSIS/ HUMAN/ IMMUNOCHEMISTRY/ INFANT, NEWBORN/ INTESTINES, enzymology/ *ISOENZYMES, blood/ LACTATE DEHYDROGENASE, blood/ LIVER DISEASES, diagnosis/ LIVER DISEASES, ALCOHOLIC, diagnosis/ LUNG NEOPLASMS, diagnosis/ MYOCARDIAL INFARCTION, diagnosis/ NERVOUS SYSTEM DISEASES, enzymology/ PLACENTA, enzymology/ PRECIPITIN TESTS/ PREGNANCY/ REVIEW

254. **Baylis C, Brenner BM:** Modulation by prostaglandin synthesis inhibitors of the action of exogenous angiotensin II on glomerular ultrafiltration in the rat. Circ Res 43(6):889–98, Dec 78
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ ARTERIOLES, drug effects/ BLOOD PRESSURE, drug effects/ BLOOD PROTEINS/ CAPILLARIES, drug effects/ *GLOMERULAR FILTRATION RATE, drug effects/ INDOMETHACIN, pharmacodynamics/ *KIDNEY GLOMERULUS, drug effects/ KIDNEY TUBULES, PROXIMAL, drug effects/ MALE/ MECLOFENAMIC ACID, pharmacodynamics/ NEPHRONS, drug effects/ OSMOTIC PRESSURE/ PLASMA VOLUME/ *PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDINS, biosynthesis/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE, drug effects

255. **Bear JL, Zalitis JG, Mackinlay AG:** Inhibition of mammary gland cyclic AMP-dependent protein kinase by arginine-rich histones. Biochem Biophys Res Commun 84(2):450–7, 29 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ARGININE/ CATTLE/ ENZYME ACTIVATION/ FEMALE/ HISTAMINE, pharmacodynamics/ *HISTONES, pharmacodynamics/ KINETICS/ LACTATION/ *MAMMAE, enzymology/ POLYAMINES, pharmacodynamics/ PREGNANCY/ *PROTEIN KINASE, metabolism

256. **Beard ME, Krantz SB, Johnson SA, et al:** Pure red cell aplasia. Q J Med 47(187):339–48, Jul 78
ADULT/ ANEMIA, APLASTIC, immunology/ ANEMIA, APLASTIC, physiopathology/ *ANEMIA, APLASTIC, therapy/ CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ ERYTHROPOIESIS/ FEMALE/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ SPLENECTOMY

257. **Beardsley GP, Cohen HJ:** Corticosteroid-induced lymphocytopenia in man: absence of splenic influence and effect of recipient serum. Am J Hematol 4(3):255–9, 1978
*ADRENAL CORTEX HORMONES, adverse effects/ HUMAN/ LEUKOCYTE COUNT/ LYMPHOCYTES/ LYMPHOPENIA, chemically induced/ *LYMPHOPENIA, metabolism/ *SPLEEN, physiology/ SPLENECTOMY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

258. **Beaty O 3d, Donald DE:** Contribution of prostaglandins to muscle blood flow in anesthetized dogs at rest, during exercise, and following inflow occlusion. Circ Res 44(1):67–75, Jan 79
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ DOGS/ *EXERTION/ HINDLIMB, blood supply/ HYPEREMIA/ INDOMETHACIN, pharmacodynamics/ MECLOFENAMIC ACID, pharmacodynamics/ *MUSCLES, blood supply/ PROSTAGLANDIN ENDOPEROXIDES, physiology/ PROSTAGLANDINS X, physiology/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, physiology/ REGIONAL BLOOD FLOW, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

259. **Beaufils P, Cywiner-Golenzer C, Perrault MA, et al:** Hypertension artérielle pulmonaire par thrombose artérielle pulmonaire néoplasique. Arch Mal Coeur 71(7):816–22, Jul 78 (Eng. Abstr.) **(Fre)**
ADULT/ CASE REPORT/ *CHORIOCARCINOMA, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, PULMONARY, etiology/ *LUNG NEOPLASMS, complications/ LYMPHANGITIS, complications/ LYMPHANGITIS, etiology/ MALE/ MIDDLE AGE/ *PULMONARY ARTERY/ THROMBOSIS, complications/ *THROMBOSIS, etiology

260. **Bech K, Skovsted L, Siersbaek-Nielsen K, et al:** Influence of thiazides on thyroid parameters in man.
Acta Endocrinol (Copenh) 89(4):673–8, Dec 78
ADULT/ BENDROFLUMETHIAZIDE, adverse effects/ BENDROFLUMETHIAZIDE, therapeutic use/ *DIURETICS, THIAZIDE, adverse effects/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, adverse effects/ HYDROCHLOROTHIAZIDE, therapeutic use/ HYDROFLUMETHIAZIDE, adverse effects/ HYDROFLUMETHIAZIDE, therapeutic use/ HYPERTENSION, drug therapy/ *IODINE, metabolism/ MALE/ MIDDLE AGE/ *THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

261. **Beck G, Beck JP, Bollack C, et al:** Regulation of tyrosine aminotransferase synthesis in vitro by mRNA and soluble factors from hepatoma tissue culture cells. FEBS Lett 93(2):189–93, 15 Sep 78
CELL LINE/ CYTOSOL, metabolism/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *HEPATOMA, EXPERIMENTAL, metabolism/ MAGNESIUM, pharmacodynamics/ POLYRIBOSOMES, metabolism/ *RNA, MESSENGER, metabolism/ SPERMINE, pharmacodynamics/ TRANSLATION, GENETIC, drug effects/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ TYROSINE AMINOTRANSFERASE, genetics

262. **Beck N:** Effect of dietary phosphorus deprivation on renal handling of calcium and phosphorus. Adv Exp Med Biol 103:401–4, 1978

ANIMAL/ *CALCIUM, metabolism/ DIET/ GLOMERULAR FILTRATION RATE/ KIDNEY TUBULES, metabolism/ *KIDNEY, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHORUS, deficiency/ PHOSPHORUS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

263. **Beck P:** Effect of progestins on glucose and lipid metabolism. Ann NY Acad Sci 286:434-45, 11 Mar 77 (57 ref.)
ANIMAL/ DOGS/ DRUG INTERACTIONS/ ESTRADIOL, pharmacodynamics/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ *GLUCOSE, metabolism/ HUMAN/ INSULIN, blood/ *LIPIDS, metabolism/ MONKEYS/ PREGNANCY/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ RATS/ REVIEW/ RHESUS MONKEYS/ TRIGLYCERIDES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

264. **Beck S, James NT:** A stereological analysis of the effect of 19-nortestosterone (Durabolin) on rat skeletal muscle. Br J Exp Pathol 59(5):514-21, Oct 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ MITOCHONDRIA, MUSCLE, drug effects/ MITOCHONDRIA, MUSCLE, ultrastructure/ *MUSCLES, drug effects/ MUSCLES, ultrastructure/ MYOFIBRILS, drug effects/ MYOFIBRILS, ultrastructure/ *NANDROLONE, pharmacodynamics/ RATS

265. **Beckmann H:** Biochemische Grundlagen der endogenen Depression. Nervenarzt 49(10):557-68, Oct 78 **(Ger)**
ANIMAL/ ANTIDEPRESSIVE AGENTS, therapeutic use/ CATECHOLAMINES, metabolism/ DEPRESSION, cerebrospinal fluid/ DEPRESSION, drug therapy/ *DEPRESSION, metabolism/ HUMAN/ NEURAL TRANSMISSION/ NOREPINEPHRINE, cerebrospinal fluid/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SUICIDE

266. **Beckner S, Blecher M:** Kinetics of activation of ADP-ribosylation and adenylate cyclase by cholera toxin in cloned differentiated hepatocytes. FEBS Lett 95(2):319-22, 15 Nov 78
ADENOSINE DIPHOSPHATE SUGARS/ *ADENYL CYCLASE, metabolism/ CELL LINE/ *CHOLERA TOXIN, pharmacodynamics/ CLONE CELLS/ ENZYME ACTIVATION/ KINETICS/ LIVER/ *NUCLEOTIDYLTRANSFERASES, metabolism/ RIBOSE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

267. **Beckstrom D, Reding R, Cerletty J:** Syndrome of inappropriate antidiuretic hormone secretion associated with amitriptyline administration [letter] JAMA 241(2):133, 12 Jan 79
*AMITRIPTYLINE, adverse effects/ AMITRIPTYLINE, therapeutic use/ CASE REPORT/ DEPRESSION, drug therapy/ FEMALE/ HUMAN/ *INAPPROPRIATE ADH SYNDROME, chemically induced/ MIDDLE AGE

268. **Beddoe AH:** A quantitative study of the structure of trabecular bone in man, rhesus monkey, beagle and miniature pig. Calcif Tissue Res 25(3):273-81, 18 Aug 78
ANIMAL/ ANTHROPOLOGY, PHYSICAL/ BIOMETRY/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, radiation effects/ CHILD/ COMPARATIVE STUDY/ *DOGS, anatomy & histology/ HUMAN/ *MACACA, anatomy & histology/ RADIATION TOLERANCE/ RADIOTHERAPY DOSAGE/ *RHESUS MONKEYS, anatomy & histology/ SPECIES SPECIFICITY/ *SWINE, anatomy & histology

269. **Begeot M, Dubois MP, Dubois PM:** Mise en évidence par immunocytochimie de la beta-lipotropine (beta-LPH), des alpha- et beta-endorphines dans l'antéhypophyse de foetus humains normaux et anencéphales. Ann Endocrinol (Paris) 39(3):235-6, 1978 (Eng. Abstr.) **(Fre)**
*ANENCEPHALY, metabolism/ *ENDORPHINS, analysis/ ENGLISH ABSTRACT/ FEMALE/ FETUS, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *LIPOTROPIN, analysis/ PITUITARY GLAND, ANTERIOR, analysis/ *PITUITARY GLAND, ANTERIOR, embryology/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY

270. **Beggs I:** Phaeochromocytoma diagnosed during barium meal. Br J Radiol 51(611):918, Nov 78
*ADRENAL GLAND NEOPLASMS, diagnosis/ CASE REPORT/ FEMALE/ *GASTROINTESTINAL SYSTEM, radiography/ GLUCAGON, adverse effects/ HUMAN/ HYPERTENSION, chemically induced/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, diagnosis

271. **Begue RJ, Moriniere M, Padieu P:** Urinary excretion of 5beta-pregnane-3alpha,6alpha,20alpha-triol in human gestation. J Steroid Biochem 9(8):779-84, Aug 78
CHROMATOGRAPHY, GAS/ FEMALE/ HUMAN/ MASS FRAGMENTOGRAPHY/ *PREGNANCY/ *PREGNANETRIOL, urine/ SPECTRUM ANALYSIS, MASS

272. **Beisner DH:** Acquired Brown's syndrome of inflammatory origin [letter] Arch Ophthalmol 97(1):173, Jan 79
ADULT/ BETAMETHASONE, therapeutic use/ CASE REPORT/ *EYE DISEASES/ EYE DISEASES, drug therapy/ FEMALE/ HUMAN/ SYNDROME/ *TENOSYNOVITIS/ TENOSYNOVITIS, drug therapy

273. **Bell FP, Patt CS, Gillies PJ:** Effect of phthalate esters on serum cholesterol and lipid biosynthesis in liver, testes, and epididymal fat inthe rat and rabbit. Lipids 13(10):673-8, Oct 78
ACETATES, metabolism/ *ADIPOSE TISSUE, metabolism/ ANIMAL/ *CHOLESTEROL, blood/ COMPARATIVE STUDY/ *DIETHYLHEXYL PHTHALATE, pharmacodynamics/ EPIDIDYMIS/ GLYCEROPHOSPHATES, metabolism/ LECITHIN ACYLTRANSFERASE, metabolism/ *LIPIDS, biosynthesis/ *LIVER, metabolism/ MALE/ MEVALONIC ACID, metabolism/ ORGAN SPECIFICITY/ *PHTHALIC ACIDS, pharmacodynamics/ RABBITS/ RATS/ SPECIES SPECIFICITY/ *TESTIS, metabolism

274. **Bell R, Barber PV, Bray CL, et al:** Incidence of thyroid disease in cases of hypertrophic cardiomyopathy. Br Heart J 40(11):1306-9, Nov 78
ADOLESCENCE/ ADULT/ AGED/ CASE REPORT/ ELECTROCARDIOGRAPHY/ FEMALE/ HEMODYNAMICS/ HUMAN/ *HYPERTHYROIDISM, complications/ *IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, etiology/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, physiopathology/ MALE/ MIDDLE AGE

275. **Bellina CR, Bianchi R, Bombardieri S, et al:** Quantitative evaluation of 99mTc-pyrophosphate muscle uptake in patients with inflammatory and noninflammatory muscle diseases. J Nucl Med Allied Sci 22(2):89-96, Apr-Jun 78
BONE AND BONES, radionuclide imaging/ COMPARATIVE STUDY/ HUMAN/ MUSCLES, radionuclide imaging/ *MUSCULAR DISEASES, radionuclide imaging/ *MYOSITIS, radionuclide imaging/ PYROPHOSPHATES, diagnostic use/ *TECHNETIUM, diagnostic use

276. **Bellinger LL, Mendel VE:** Hypophysectomy alters the diurnal food intake patterns in rats. Proc Soc Exp Biol Med 159(1):80-3, Oct 78
ANIMAL/ CALORIC INTAKE/ *CIRCADIAN RHYTHM/ *DIURNAL RHYTHM/ *FEEDING BEHAVIOR, physiology/ HYPOPHYSECTOMY/ MALE/ *PITUITARY GLAND, physiology/ RATS

277. **Belovezhdov N:** Vuzmozhnosti na suvremennoto patogenichno lechenie na immunite glomerulonefriti. Vutr Boles 17(5):12-20, 1978 **(Bul)**
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTICOAGULANTS, therapeutic use/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ GLOMERULOSCLEROSIS, FOCAL, drug therapy/ GLOMERULOSCLEROSIS, FOCAL, etiology/ HUMAN/ *IMMUNOLOGIC DISEASES, drug therapy/ IMMUNOLOGIC DISEASES, etiology/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, etiology/ PROGNOSIS/ STREPTOCOCCAL INFECTIONS, drug therapy

AUTHOR SECTION

278. **Benacerraf A, Castillo-Fenoy A, Goffinet D, et al:** L'infarctus du myocarde avant 36 ans. A propos de 20 cas.
Arch Mal Coeur 71(7):756-64, Jul 78 (Eng. Abstr.) **(Fre)**
ADULT/ AGE FACTORS/ CONTRACEPTIVES, ORAL, adverse effects/ CORONARY VESSELS, radiography/ ENGLISH ABSTRACT/ EXERCISE TEST/ FEMALE/ HEART VENTRICLE, radiography/ HUMAN/ LIPIDS, blood/ MALE/ *MYOCARDIAL INFARCTION, diagnosis/ MYOCARDIAL INFARCTION, etiology/ SMOKING, complications

279. **Benchimol S, Cantin M:** Ultrastructural radioautography of the incorporation of tritiated leucine by the rat adrenal medulla in vivo. Cell Tissue Res 193(2):179-99, 17 Oct 78
*ADRENAL MEDULLA, metabolism/ ADRENAL MEDULLA, ultrastructure/ ANIMAL/ AUTORADIOGRAPHY, methods/ CHROMAFFIN GRANULES, metabolism/ CHROMAFFIN GRANULES, ultrastructure/ *CHROMOGRANINS, biosynthesis/ EPINEPHRINE, metabolism/ FEMALE/ *LEUCINE, diagnostic use/ *NERVE TISSUE PROTEINS, biosynthesis/ NOREPINEPHRINE, metabolism/ ORGANOIDS, metabolism/ ORGANOIDS, ultrastructure/ RATS

280. **Benda P:** Rodent glial cell lines. pp. 67-81.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *CELL LINE/ CELL TRANSFORMATION, NEOPLASTIC/ *GLIOMA, pathology/ GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ HAMSTERS/ HYDROCORTISONE, pharmacodynamics/ IONS, metabolism/ MONOGRAPH/ MYELIN SHEATH, cytology/ NERVE TISSUE PROTEIN S 100, metabolism/ *NEUROGLIA, cytology/ NEUROGLIA, metabolism/ NEUROHUMORS, metabolism/ NEURONS, metabolism/ 2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE, metabolism

281. **Bender HG, Werner C:** Functional aspects of placental maturation in twin pregnancies. Prog Clin Biol Res 24 Pt C:147-50, 1978
APGAR SCORE/ BIRTH WEIGHT/ BODY HEIGHT/ CHORIONIC VILLI, blood supply/ CHORIONIC VILLI, growth & development/ FEMALE/ HUMAN/ LABOR, PREMATURE, etiology/ PLACENTA DISORDERS, complications/ *PLACENTA, growth & development/ PREGNANCY/ *PREGNANCY, MULTIPLE/ *TWINS

282. **Benedict CR, Fillenz M, Stanford C:** Changes in plasma noradrenaline concentration as a measure of release rate.
Br J Pharmacol 64(2):305-9, Oct 78
ADRENALECTOMY/ ANIMAL/ HALF-LIFE/ KINETICS/ MALE/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, metabolism/ RATS/ STRESS, metabolism/ SWIMMING/ TIME FACTORS

283. **Bengtsson B:** Estrogen induced inhibition of 3H-noradrenaline release in the uterus and portal vein of the rat.
Acta Physiol Scand 104(3):287-98, Nov 78
ANIMAL/ CALCIUM, pharmacodynamics/ CASTRATION/ DESIPRAMINE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, metabolism/ *NOREPINEPHRINE, metabolism/ NORMETANEPHRINE, pharmacodynamics/ *PORTAL VEIN, metabolism/ POTASSIUM, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ TYRAMINE, pharmacodynamics/ *UTERUS, metabolism

284. **Benito M, Williamson DH:** Evidence for a reciprocal relationship between lipogenesis and ketogenesis in hepatocytes from fed virgin and lactating rats. Biochem J 176(1):331-4, 15 Oct 78
ANIMAL/ CARBOXYLIC ACIDS, pharmacodynamics/ FEMALE/ FURANS, pharmacodynamics/ IN VITRO/ *KETONE BODIES, biosynthesis/ LACTATION/ *LIPIDS, biosynthesis/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ OLEIC ACIDS, metabolism/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

285. **Benkoël L, Barrat E, Casanova P, et al:** Essai de localisation cyto-immuno-enzymologique des hormones stéroidiennes dans le corps jaune ovarien de la femme. Cell Mol Biol 23(2):191-5, 1978 (Eng. Abstr.) **(Fre)**
*CORPUS LUTEUM, analysis/ CORPUS LUTEUM, ultrastructure/ ENGLISH ABSTRACT/ *ESTRADIOL, isolation & purification/ FEMALE/ *HISTOCYTOCHEMISTRY, methods/ HUMAN/ *OVARY, anatomy & histology/ *PROGESTERONE, isolation & purification

286. **Benner R, van Dongen JJ, van Oudenaren A:** Corticosteroids and the humoral immune response of mice i. Differential effect of corticosteroids upon antibody formation to sheep red blood cells in spleen and bone marrow.
Cell Immunol 41(1):52-61, Nov 78
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ *ANTIBODY FORMATION, drug effects/ *BONE MARROW, cytology/ DEXAMETHASONE, pharmacodynamics/ ERYTHROCYTES, immunology/ SHEEP, immunology/ *SPLEEN, cytology/ TIME FACTORS

287. **Bennett JP, Smith GA, Houslay MD, et al:** The phospholipid headgroup specificity of an ATP-dependent calcium pump.
Biochim Biophys Acta 513(3):310-20, 16 Nov 78
*ADENOSINE TRIPHOSPHATASE, metabolism/ *CALCIUM, metabolism/ *CARRIER PROTEINS, metabolism/ INTRACELLULAR MEMBRANES, metabolism/ PHOSPHATIDYLCHOLINES, pharmacodynamics/ *PHOSPHOLIPIDS, pharmacodynamics/ *SARCOPLASMIC RETICULUM, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

288. **Bennion LJ, Grundy SM:** Risk factors for the development of cholelithiasis in man (second of two parts).
N Engl J Med 299(22):1221-7, 30 Nov 78 (92 ref.)
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANEMIA, HEMOLYTIC, complications/ BILE, microbiology/ CHOLELITHIASIS, chemically induced/ *CHOLELITHIASIS, etiology/ CHOLELITHIASIS, familial & genetic/ CHOLELITHIASIS, occurrence/ CLOFIBRATE, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ CYSTIC FIBROSIS, complications/ DIET, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ GASTROINTESTINAL DISEASES, complications/ HUMAN/ INFECTION, complications/ LIVER CIRRHOSIS, ALCOHOLIC, complications/ MALE/ OBESITY, complications/ PREGNANCY/ REVIEW/ RISK

289. **Benny PS, Legge M, Aickin DR:** The biochemical effects of a maternal hyperalimentation during pregnancy.
NZ Med J 88(621):283-5, 11 Oct 78
AMINO ACIDS, analysis/ AMMONIA, analysis/ *AMNIOTIC FLUID, analysis/ ESTRIOL, urine/ FEMALE/ HUMAN/ INFANT, NEWBORN/ OSMOLAR CONCENTRATION/ *PARENTERAL FEEDING/ *PARENTERAL HYPERALIMENTATION/ PHOSPHATIDYLCHOLINES, analysis/ *PREGNANCY/ SPHINGOMYELINS, analysis

290. **Benoff FH, Siegel PB, Van Krey HP:** Testosterone determinations in lines of chickens selected for differential mating frequency. Horm Behav 10(3):246-50, Jun 78
ANIMAL/ *CHICKENS, blood/ HEMATOCRIT/ MALE/ RADIOIMMUNOASSAY/ *SEX BEHAVIOR, ANIMAL/ *TESTOSTERONE, blood

291. **Benraad H, Drayer J, Hoefnagels W, et al:** Role of aldosterone in the antihypertensive effect of spironolactone in essential hypertension. Clin Pharmacol Ther 24(6):638-43, Dec 78
ADULT/ *ALDOSTERONE, physiology/ ALDOSTERONE, secretion/ *BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ ELECTROLYTES, blood/ FEMALE/ HUMAN/ HYPERTENSION, metabolism/ *HYPERTENSION, physiopathology/ KIDNEY, drug effects/ MALE/ MIDDLE AGE/ RENIN, blood/ *SPIRONOLACTONE, pharmacodynamics

292. **Bensemana D, Gascon AL:** Relationship between analgesia and turnover of brain biogenic amines.
Can J Physiol Pharmacol 56(5):721-30, Oct 78
*ANALGESIA/ *ANALGESICS, pharmacodynamics/ ANIMAL/ *BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/

CATECHOLAMINES, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ METHYLTYROSINES, pharmacodynamics/ MORPHINE, pharmacodynamics/ PROBENECID, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ SODIUM SALICYLATE, pharmacodynamics/ TETRAHYDROCANNABINOL, pharmacodynamics

293. **Bensman A, Brauner M, Teboul-Faure L, et al:** Le syndrome de Cockayne. Une entité radiologique a propos de deux observations familiales. J Radiol Electrol Med Nucl 59(6-7):375-80, Jun-Jul 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ BONE AND BONES, radiography/ CASE REPORT/ CHILD/ DWARFISM, familial & genetic/ *DWARFISM, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PROGERIA, familial & genetic/ PROGERIA, radiography/ SYNDROME

294. **Bentley MJ, Gass GH, Leidl W:** Effects of FSH and LH administration on the testes and seminal vesicles. Andrologia 10(5):357-61, Sep-Oct 78
AGE FACTORS/ ANDROGENS, blood/ ANIMAL/ *FSH, pharmacodynamics/ *LH, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *SEMINAL VESICLES, drug effects/ *TESTIS, drug effects

295. **Benveniste R, Speeg KV Jr, Long A, et al:** Concanavalin-A stimulates human chorionic gonadotropin (hCG) and hCG-alpha secretion by human choriocarcinoma cells. Biochem Biophys Res Commun 84(4):1082-7, 30 Oct 78
CELL LINE/ CHORIOCARCINOMA/ *CONCANAVALIN A, pharmacodynamics/ *GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ KINETICS/ METHYLMANNOSIDES, pharmacodynamics/ PEPTIDE FRAGMENTS, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

296. **Bérault A, Théoleyre M, Jutisz M:** L'AMP cyclique est-il l'intermédiaire dans le mécanisme d'action du Gn-RH? Ann Endocrinol (Paris) 39(3):227-8, 1978 (Eng. Abstr.) **(Fre)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL/ ENGLISH ABSTRACT/ IN VITRO/ *PITUITARY HORMONE RELEASING HORMONES, physiology/ RECEPTORS, HORMONE, metabolism/ SHEEP

297. **Berchtold JP, Collenot G, Collenot A:** Localisation ultrastructurale de l'activité 3 beta-hydroxystéroïde déshydrogénasique dans les cellules du tissu glandulaire du testicule de Pleurodeles waltlii Michah. (Amphibien, Urodèle). C R Acad Sci [D] (Paris) 287(5):511-3, 18 Sep 78 (Eng. Abstr.) **(Fre)**
*AMPHIBIA, metabolism/ ANIMAL/ ENDOPLASMIC RETICULUM, enzymology/ ENGLISH ABSTRACT/ INTRACELLULAR MEMBRANES, enzymology/ MALE/ PRUSSIAN BLUE REACTION/ *TESTIS, enzymology/ TESTIS, ultrastructure/ *3-HYDROXYSTEROID DEHYDROGENASES, analysis

298. **Berenguer A, Lovaco F, Escudero B:** Carcinoma de células renales y prostaglandinas. Actas Urol Esp 2(6):297-300, Nov-Dec 78 (Eng. Abstr.) **(Spa)**
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, radiography/ ADULT/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY NEOPLASMS, diagnosis/ KIDNEY NEOPLASMS, radiography/ KIDNEY, secretion/ MALE/ *PROSTAGLANDINS, secretion/ SECRETORY RATE

299. **Beretta-Piccoli M:** Leucémie lymphoblastique aiguë: espoir!. Praxis 67(46):1683-5, 14 Nov 78 **(Fre)**
ADULT/ CHILD/ DOXORUBICIN, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ INJECTIONS, INTRATHECAL/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ METHOTREXATE, therapeutic use/ NERVOUS SYSTEM DISEASES, prevention & control/ PREDNISONE, therapeutic use/ PROGNOSIS

300. **Berg BH:** The role of cyclic 3',5'-AMP in the regulation of aminoacyl-tRNA synthetase activities in mouse uterus and liver following 17beta-oestradiol treatment. Activation of a phosphoaminoacyl-tRNA synthetase phosphatase by phosphorylation with cyclic 3',5'-AMP dependent protein kinase. Biochim Biophys Acta 521(1):274-87, 21 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *AMINO ACYL T RNA SYNTHETASES, metabolism/ ANIMAL/ ENZYME ACTIVATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ LIVER, drug effects/ *LIVER, enzymology/ MICE/ *PHOSPHOPROTEIN PHOSPHATASES, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ UTERUS, drug effects/ *UTERUS, enzymology

301. **Berg SL, Ginther OJ:** Effect of estrogens on uterine tone and life span of the corpus luteum in mares. J Anim Sci 47(1):203-8, Jul 78
ANIMAL/ ANOVULATION, drug effects/ CASTRATION, veterinary/ COMPARATIVE STUDY/ *CORPUS LUTEUM MAINTENANCE, drug effects/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ *HORSES, physiology/ *MUSCLE TONUS, drug effects/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, drug effects

302. **Berger B, Blechner JN:** Ovarian pregnancy associated with copper-7 intrauterine device. Obstet Gynecol 52(5):597-600, Nov 78
ADULT/ CASE REPORT/ CHORION, pathology/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, COPPER, adverse effects/ OVARY/ PREGNANCY/ *PREGNANCY, ECTOPIC, etiology/ PREGNANCY, ECTOPIC, pathology

303. **Berger G, Rupprecht E:** Beitrag zur Behandlung der idiopathischen Lungenhämosiderose mit Immunsuppressiva. Paediatr Grenzgeb 17(4):213-20, 1978 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ *HEMOSIDEROSIS, therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ RECURRENCE

304. **Berger GS, Radwanska E, Hammond JE:** Possible ovulatory deficiency after tubal ligation. Am J Obstet Gynecol 132(6):699-700, 15 Nov 78
FEMALE/ HUMAN/ *OVULATION/ POSTOPERATIVE COMPLICATIONS/ PREGNANCY/ PROGESTERONE, blood/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES/ STERILITY, FEMALE, etiology/ *STERILIZATION, TUBAL

305. **Berger MJ:** Selection of patients for human menopausal gonadotropin therapy. J Reprod Med 21(3 Suppl):194-7, Sep 78
ANOVULATION, complications/ *ANOVULATION, drug therapy/ ANOVULATION, etiology/ FEMALE/ GONADOTROPINS, deficiency/ HUMAN/ HYPOTHALAMUS, physiopathology/ *MENOTROPINS, therapeutic use/ PITUITARY FUNCTION TESTS/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology

306. **Bergeron C, Kovacs K:** Pituitary siderosis. A histologic, immunocytologic, and ultrastructural study. Am J Pathol 93(2):295-309, Nov 78
ADULT/ AGED/ CASE REPORT/ *CYTOPLASMIC GRANULES, pathology/ FEMALE/ HUMAN/ IMMUNOENZYME TECHNICS/ *IRON, analysis/ MALE/ MIDDLE AGE/ PITUITARY DISEASES, metabolism/ *PITUITARY DISEASES, pathology/ PITUITARY GLAND, ANTERIOR, metabolism/ *PITUITARY GLAND, ANTERIOR, pathology/ PITUITARY HORMONES, ANTERIOR, metabolism/ SIDEROSIS, metabolism/ *SIDEROSIS, pathology

307. **Bergmann KC:** Allergische Alveolitiden. Diagnose und Therapie in der Praxis. Fortschr Med 96(42):2123-6, 9 Nov 78 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ *ALLERGENS/ *ALVEOLITIS, EXTRINSIC ALLERGIC/ ALVEOLITIS, EXTRINSIC ALLERGIC, immunology/ ENGLISH ABSTRACT/ HUMAN/ PRECIPITINS, analysis/ PULMONARY HEART DISEASE, etiology/ RESPIRATORY

FUNCTION TESTS

308. **Bergmann KC:** Allergische Alveolitiden. Diagnose und Therapie in der Praxis. Fortschr Med 96(42):2138–9, 9 Nov 78 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ ALLERGENS/ *ALVEOLITIS, EXTRINSIC ALLERGIC, diagnosis/ HUMAN/ PNEUMOCONIOSIS, diagnosis

309. **Berio A:** Considerazioni sulla nefropatia della cistinosi con s. di Bartter secondaria. Esperienza personale in un caso sottoposto a dietoterapia prolungata ed a terapia con acido acetilsalicilico. Minerva Pediatr 30(22):1825–31, 30 Nov 78 **(Ita)**
*ASPIRIN, therapeutic use/ *BARTTER'S DISEASE, etiology/ CASE REPORT/ CHILD, PRESCHOOL/ *CYSTINOSIS, complications/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, etiology/ INFANT/ KIDNEY DISEASES, diet therapy/ KIDNEY DISEASES, drug therapy/ *KIDNEY DISEASES, etiology

310. **Berl T, Katz FH, Henrich WL, et al:** Role of aldosterone in the control of sodium excretion in patients with advanced chronic renal failure. Kidney Int 14(3):228–35, Sep 78
ADULT/ ALDOSTERONE, blood/ *ALDOSTERONE, physiology/ BODY WEIGHT/ CREATININE, urine/ DIET/ FEMALE/ HUMAN/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY FAILURE, CHRONIC, urine/ MALE/ MIDDLE AGE/ POSTURE/ POTASSIUM, blood/ POTASSIUM, urine/ SODIUM, blood/ *SODIUM, urine/ SPIRONOLACTONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

311. **Berman B, Lim H:** Concurrent cutaneous and hepatic hemangiomata in infancy: report of a case and a review of the literature. J Dermatol Surg Oncol 4(11):869–73, Nov 78
CASE REPORT/ DIGOXIN, therapeutic use/ FEMALE/ HEART FAILURE, CONGESTIVE, drug therapy/ *HEMANGIOMA, congenital/ HEMANGIOMA, therapy/ HUMAN/ INFANT/ INFANT, NEWBORN/ *LIVER NEOPLASMS, congenital/ LIVER NEOPLASMS, therapy/ *NEOPLASMS, MULTIPLE PRIMARY, congenital/ NEOPLASMS, MULTIPLE PRIMARY, therapy/ PREDNISONE, therapeutic use/ PROGNOSIS/ *SKIN NEOPLASMS, congenital/ SKIN NEOPLASMS, therapy

312. **Berman WF, Rogers SR, Bautista JO, et al:** Galactose and glucose metabolism in the isolated perfused suckling and adult rat liver. Metabolism 27(12):1721–31, Dec 78
AGING/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ BODY WEIGHT/ FEMALE/ *GALACTOSE, metabolism/ *GLUCOSE, metabolism/ IN VITRO/ KINETICS/ LACTATION/ LIVER, growth & development/ *LIVER, metabolism/ MALE/ ORGAN WEIGHT/ PERFUSION/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

313. **Bernard GW:** Ultrastructural localization of alkaline phosphatase in initial intramembranous osteogenesis. Clin Orthop (135):218–25, Sep 78
*ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ *BONE AND BONES, enzymology/ BONE AND BONES, ultrastructure/ BONE MATRIX, enzymology/ HISTOCYTOCHEMISTRY/ MICE/ OSTEOBLASTS, enzymology/ *OSTEOGENESIS

314. **Berrettini WH, Prozialeck W, Vogel WH:** Decreased platelet monoamine oxidase activity in chronic schizophrenia, shown with novel substrates. Arch Gen Psychiatry 35(5):600–5, May 78
ADOLESCENCE/ ADULT/ *BLOOD PLATELETS, enzymology/ DIMETHYLTRYPTAMINE/ DOPAMINE/ FEMALE/ HUMAN/ KINETICS/ MALE/ METHOXYTRYPTAMINE/ MIDDLE AGE/ *MONOAMINE OXIDASE, blood/ *SCHIZOPHRENIA, enzymology/ SEROTONIN

315. **Bertagna X, Girard F:** Données récentes sur le groupe des hormones hypophysaires mélanotropes et lipotropes (MSH-LPH) et sur les peptides cérébraux morphinomimétiques (endorphines).
Ann Endocrinol (Paris) 39(3):201–13, 1978 (84 ref.) (Eng. Abstr.) **(Fre)**
ANIMAL/ CORTICOTROPIN, biosynthesis/ ENDORPHINS, biosynthesis/ ENDORPHINS, pharmacodynamics/ *ENDORPHINS, physiology/ ENGLISH ABSTRACT/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, metabolism/ LIPOTROPIN, biosynthesis/ *LIPOTROPIN, physiology/ *MSH, physiology/ NELSON SYNDROME, metabolism/ PROTEIN PRECURSORS/ REVIEW

316. **Berthelsen A:** Fibrosarcoma in the thyroid gland: recurrence treated with radiotherapy. J Laryngol Otol 92(10):933–6, Oct 78
ADULT/ CASE REPORT/ FEMALE/ *FIBROSARCOMA, radiotherapy/ HUMAN/ *NEOPLASM RECURRENCE, LOCAL, radiotherapy/ *THYROID NEOPLASMS, radiotherapy

317. **Bertholet JY, Idelman S:** Etude autoradiographique de l'activité proliférative et de la migration cellulaire dans le cortex surrénal du foetus de Rat et du Rat nouveau-né.
C R Acad Sci [D] (Paris) 287(5):519–22, 18 Sep 78 (Eng. Abstr.) **(Fre)**
*ADRENAL CORTEX, cytology/ ADRENAL CORTEX, embryology/ ADRENAL CORTEX, growth & development/ ANIMAL/ *ANIMALS, NEWBORN, growth & development/ AUTORADIOGRAPHY/ CELL DIVISION/ CELL MOVEMENT/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, cytology/ PREGNANCY/ RATS

318. **Berti F, Bruno F, Omini C, et al:** Genotype dependent response of morphine and methionine-enkephalin on the electrically induced contractions of the mouse vas deferens.
Naunyn Schmiedebergs Arch Pharmacol 305(1):5–8, Oct 78
ANIMAL/ ELECTRIC STIMULATION/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, antagonists & inhibitors/ *ENKEPHALINS, pharmacodynamics/ GENOTYPE/ IN VITRO/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MORPHINE, antagonists & inhibitors/ *MORPHINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NALTREXONE, pharmacodynamics/ VAS DEFERENS, drug effects

319. **Bertilsson L, Asberg M, Mellström B, et al:** Factors determining drug effects in depressed patients--studies of nortriptyline and chlorimipramine. pp. 281–92.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
BROMOBENZENES, metabolism/ BROMOBENZENES, therapeutic use/ CHLORIMIPRAMINE, blood/ CHLORIMIPRAMINE, metabolism/ *CHLORIMIPRAMINE, therapeutic use/ DEPRESSION, cerebrospinal fluid/ *DEPRESSION, drug therapy/ *DIBENZAZEPINES, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ METHOXYHYDROXYPHENYLGLYCOL, cerebrospinal fluid/ MONOGRAPH/ NOREPINEPHRINE, metabolism/ NORTRIPTYLINE, blood/ NORTRIPTYLINE, metabolism/ *NORTRIPTYLINE, therapeutic use/ PROTEIN BINDING/ PYRIDINES, metabolism/ PYRIDINES, therapeutic use/ SEROTONIN, metabolism/ TRYPTOPHAN, cerebrospinal fluid

320. **Besson P, Sulman C, Gosselin P, et al:** Apport de la thermographie dans l'exploration thyroïdienne. Lille Med 23(7):499–501, Aug-Sep 78 (Eng. Abstr.) **(Fre)**
CARCINOMA, PAPILLARY, diagnosis/ ENGLISH ABSTRACT/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ FEMALE/ HUMAN/ LYMPHOMA, diagnosis/ MALE/ SARCOMA, RETICULUM CELL, diagnosis/ *THERMOGRAPHY/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis

321. **Betteridge A, Wallis M:** Stimulation of anterior pituitary prostaglandin E content and somatotropin (growth hormone) synthesis by phospholipase A. Biochem J 176(1):319–23, 15 Oct 78
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ FATTY ACIDS, pharmacodynamics/ IN VITRO/ MALE/ *PHOSPHOLIPASE, pharmacodynamics/

PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, metabolism/ *PROSTAGLANDINS E, metabolism/ RATS/ SECRETORY RATE, drug effects/ *SOMATOTROPIN, biosynthesis/ SOMATOTROPIN, secretion

322. **Betz G, Tsai P:** Stimulatory effect of soluble supernatant on hydroxylase activity of rat testis microsomes. Steroids 32(3):389–97, Oct 78
ANIMAL/ HEAT/ *HYDROXYLASES, metabolism/ IN VITRO/ LYASES, metabolism/ MALE/ *MICROSOMES, enzymology/ OXIDOREDUCTASES, metabolism/ PROGESTERONE/ RATS/ STEROID-17-HYDROXYLASE, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ *SUBCELLULAR FRACTIONS, physiology/ *TESTIS, enzymology/ TESTIS, physiology/ TESTIS, ultrastructure/ TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

323. **Betz TW, Nagler P:** On possible involvement of adrenocorticoids in chicken spleen development. Rev Can Biol 37(3):181–8, Sep 78
ANIMAL/ BODY WEIGHT/ CHICK EMBRYO, drug effects/ *CHICK EMBRYO, growth & development/ CORTICOSTERONE, pharmacodynamics/ *GLUCOCORTICOIDS, physiology/ HYDROXYLASES, antagonists & inhibitors/ METYRAPONE, pharmacodynamics/ ORGAN WEIGHT/ *SPLEEN, embryology

324. **Bevan DR:** Osmometry. 2. Osmoregulation. Anaesthesia 33(9):801–8, Oct 78
ADULT/ *BODY FLUIDS, physiology/ DIURESIS/ HUMAN/ INAPPROPRIATE ADH SYNDROME, physiopathology/ INFANT, NEWBORN/ KIDNEY MEDULLA, physiology/ KIDNEY, physiology/ OSMOLAR CONCENTRATION/ URINE, physiology/ VASOPRESSINS, physiology/ *WATER-ELECTROLYTE BALANCE

325. **Bevers MM, Willemse AH, Kruip TA:** Plasma prolactin levels in the sow during lactation and the postweaning period as measured by radioimmunoassay. Biol Reprod 19(3):628–34, Oct 78
ANIMAL/ ESTRUS/ FEMALE/ *LACTATION/ LH, blood/ PREGNANCY/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ *SWINE, physiology/ *WEANING

326. **Beyer J, Liebau G, Steiner B, et al:** Saralasin-abhängige Anderungen von Blutdruck, Renin und Aldosteron bei essentieller und reninduzierter Hypertonie. Klin Wochenschr 56(17):859–64, 1 Sep 78 (Eng. Abstr.) **(Ger)**
*ALDOSTERONE, blood/ *ANGIOTENSIN II, analogs & derivatives/ *BLOOD PRESSURE, drug effects/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, diagnosis/ *HYPERTENSION, physiopathology/ *HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, physiopathology/ *RENIN, blood/ *SARALASIN, diagnostic use

327. **Bezin GI, Moroz BB, Romashko OO, et al:** Migratsiia krovetvornykh stvolovykh kletok pri termicheskom ozhoge. Biull Eksp Biol Med 86(10):494–6, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BLOOD CELL COUNT/ *BONE MARROW, cytology/ *BURNS, blood/ CELL MOVEMENT/ CLONE CELLS/ ENGLISH ABSTRACT/ *HEMATOPOIETIC STEM CELLS/ HYBRIDIZATION/ MALE/ MICE/ MICE, INBRED CBA/ MICE, INBRED C57BL/ SPLEEN, cytology/ *11-HYDROXYCORTICOSTEROIDS, blood

328. **Bezkorovainaia OI:** Uchast' renin-anhiotenzyn-al'dosteronovoï systemy u pidvyshchenni arterial'noho tysku u diteĭ rann'oho viku pry toksychniĭ formi pnevmoniĭ. Pediatr Akush Ginekol (5):17–9, Sep-Oct 78 **(Ukr)**
*ALDOSTERONE, physiology/ *ANGIOTENSINS, physiology/ *BLOOD PRESSURE, drug effects/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ *PNEUMONIA, physiopathology/ *RENIN, physiology/ SYNDROME/ TIME FACTORS

329. **Bezverkhaia TP:** Stepen' i chastota aktivatsii raznykh funktsii kory nadpochechnikov u bol'nykh sakharnym diabetom. Probl Endokrinol (Mosk) 24(6):31–5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, urine/ *ADRENAL CORTEX, physiopathology/ ADULT/ AGED/ ALDOSTERONE, urine/ COMPARATIVE STUDY/ *DIABETES MELLITUS, physiopathology/ DIABETES MELLITUS, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ SEX FACTORS/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

330. **Bhargava HN:** Effects of methionine-enkephalin and morphine on spontaneous locomotor activity: antagonism by naloxone. Pharmacol Biochem Behav 9(2):167–71, Aug 78
ANIMAL/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, antagonists & inhibitors/ *ENKEPHALINS, pharmacodynamics/ MALE/ MICE/ MORPHINE, antagonists & inhibitors/ *MORPHINE, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ TIME FACTORS

331. **Bhat NR, Rao AM, Murthy SK:** Regulation of lipogenesis by adenosine 3', 5'-cyclic monophosphate in chicken liver in vitro. Indian J Biochem Biophys 15(1):39–42, Feb 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CHICKENS/ FATTY ACIDS, biosynthesis/ *LIPIDS, biosynthesis/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ TRIGLYCERIDES, biosynthesis

332. **Bhattacharya M, Barlow JJ:** Ovarian tumor antigens. Cancer 42(3 Suppl):1616–20, Sep 78
ANTIGENIC DETERMINANTS/ *ANTIGENS, NEOPLASM/ *CYSTADENOCARCINOMA, immunology/ CYSTADENOCARCINOMA, pathology/ FEMALE/ FOLLOW-UP STUDIES/ GENITAL NEOPLASMS, FEMALE, immunology/ GLYCOPROTEINS/ HUMAN/ MOLECULAR WEIGHT/ *OVARIAN NEOPLASMS, immunology/ OVARIAN NEOPLASMS, pathology/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

333. **Bhattacharya SK, Ghosh P, Bose R:** Pentylenetetrazol induced clonic convulsions in rat. Role of brain monoamines. Mater Med Pol 10(3):184–7, Jul-Sep 78
ANIMAL/ *BRAIN, metabolism/ CONVULSIONS, chemically induced/ *CONVULSIONS, metabolism/ DRUG SYNERGISM/ FEMALE/ MALE/ NEUROHUMORS/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, metabolism/ *PENTYLENETETRAZOLE/ PENTYLENETETRAZOLE, antagonists & inhibitors/ RATS/ RESERPINE/ SEROTONIN ANTAGONISTS/ *SEROTONIN, metabolism

334. **Bhattacharya SK, Bose R:** Nialamide-induced potentiation of the anticonvulsant action of phenobarbitone in rat--role of brain monoamines. Indian J Med Res 67:1045–50, Jun 78
ANIMAL/ *ANTICONVULSANTS/ *BRAIN, metabolism/ DRUG SYNERGISM/ FEMALE/ MALE/ NIALAMIDE, antagonists & inhibitors/ *NIALAMIDE, pharmacodynamics/ *PHENOBARBITAL, pharmacodynamics/ RATS/ *SEROTONIN ANTAGONISTS, pharmacodynamics/ *SEROTONIN, metabolism

335. **Bhujle BV, Nadkarni VB:** Effect of prolactin on testis of the domestic pigeon Columba livia (Gmelin). Indian J Exp Biol 16(8):890–2, Aug 78
ANIMAL/ MALE/ *PIGEONS, physiology/ *PROLACTIN, pharmacodynamics/ *TESTIS, drug effects

336. **Biale Y, Leventhal H, Altaras M, et al:** Anencephaly and clomiphene-induced pregnancy. Acta Obstet Gynecol Scand 57(5):483–4, 1978
*ABNORMALITIES, DRUG-INDUCED/ ADULT/ *ANENCEPHALY, chemically induced/ CASE REPORT/ CLOMIPHENE, administration & dosage/ *CLOMIPHENE, adverse effects/ FEMALE/ HUMAN/ OVULATION, drug effects/ PREGNANCY/ *STERILITY, FEMALE, drug therapy

337. **Bianchi C, Carcano G:** Osteogenesi imperfecta. Presentazione di 5 case. Inquadramento nosografico e prospettive

terapeutiche. Minerva Pediatr 30(21):1689–96, 15 Nov 78 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ *CALCITONIN, therapeutic use/ CHILD/ DWARFISM, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *OSTEOGENESIS IMPERFECTA/ OSTEOGENESIS IMPERFECTA, classification/ OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, drug therapy/ OSTEOPOROSIS, etiology

338. **Bianco S, Robuschi M, Ceserani R, et al:** Prevention of aspecifically induced bronchoconstriction by PGI2 and 20–methyl–PGI2 in asthmatic patients. Pharmacol Res Commun 10(7):657–74, Jul 78
ADOLESCENCE/ ADULT/ AIRWAY RESISTANCE/ *ASTHMA, physiopathology/ *BRONCHIAL SPASM, prevention & control/ CLINICAL RESEARCH/ EXERTION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PLACEBOS/ PROSTAGLANDINS X, adverse effects/ *PROSTAGLANDINS X, therapeutic use/ *PROSTAGLANDINS, therapeutic use/ TIME FACTORS

339. **Biava CG, Smuckler EA, Whorton D:** The testicular morphology of individuals exposed to dibromochloropropane. Exp Mol Pathol 29(3):448–58, Dec 78
ADULT/ *ANTINEMATODAL AGENTS, adverse effects/ ENVIRONMENTAL EXPOSURE/ HUMAN/ *HYDROCARBONS, HALOGENATED, adverse effects/ LEYDIG CELLS, ultrastructure/ MALE/ MIDDLE AGE/ *PROPANE, analogs & derivatives/ PROPANE, adverse effects/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

340. **Bichineva EP, Gurevich LM, Navrotskiĭ VV:** Organizatsiia vyiavleniia i effektivnost' lecheniia soputstvuiushchikh zabolevanii u bol'nykh tuberkulezom v usloviiakh sanatoriia. Probl Tuberk (11):24–7, Nov 78 (Eng. Abstr.) **(Rus)**
CARDIOVASCULAR DISEASES, diagnosis/ CARDIOVASCULAR DISEASES, therapy/ ENDOCRINE DISEASES, diagnosis/ ENDOCRINE DISEASES, therapy/ ENGLISH ABSTRACT/ GASTROINTESTINAL DISEASES, diagnosis/ GASTROINTESTINAL DISEASES, therapy/ HOSPITALIZATION/ HOSPITALS, SPECIAL/ HUMAN/ LUNG DISEASES, diagnosis/ LUNG DISEASES, therapy/ RUSSIAN FEDERATION (EUROPE)/ *TUBERCULOSIS, PULMONARY, complications/ TUBERCULOSIS, PULMONARY, therapy

341. **Bicking JB, Jones JH, Holtz WJ, et al:** 11,12–Secoprostaglandins. 5. 8–Acetyl– or 8–(1–hydroxyethyl)–12–hydroxy–13–aryloxytridecanoic acids and sulfonamide isosteres as inhibitors of platelet aggregation. J Med Chem 21(10):1011–8, Oct 78
ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, metabolism/ ANIMAL/ DECANOIC ACIDS, chemical synthesis/ DECANOIC ACIDS, pharmacodynamics/ FEMALE/ GUINEA PIGS/ IN VITRO/ MALE/ MICE/ OVARY, drug effects/ OVARY, metabolism/ *PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, SYNTHETIC, chemical synthesis/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ STRUCTURE–ACTIVITY RELATIONSHIP/ SULFONAMIDES, chemical synthesis/ SULFONAMIDES, pharmacodynamics

342. **Biddle FG:** Use of dose–response relationships to discriminate between the mechanisms of cleft–palate induction by different teratogens: an argument for discussion. Teratology 18(2):247–52, Oct 78
*ABNORMALITIES, DRUG–INDUCED/ ANIMAL/ *CLEFT PALATE, chemically induced/ CORTISONE, toxicity/ DOSE–RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MICE/ MICE, INBRED STRAINS/ PREGNANCY/ SPECIES SPECIFICITY/ *TERATOGENS, pharmacodynamics/ 6–AMINONICOTINAMIDE, toxicity

343. **Biehl G, Schmitt O, Wagner K:** Ein Beitrag zum Syndrom des engen Spinalkanals beim chondrodystrophen Zwergwuchs. Arch Orthop Trauma Surg 92(4):257–60, 27 Oct 78 (Eng. Abstr.) **(Ger)**
ADULT/ CASE REPORT/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA, complications/ *CHONDRODYSTROPHIA CALCIFICANS CONGENITA, diagnosis/ DWARFISM, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *SPINAL CANAL, abnormalities/ SPINAL CORD COMPRESSION, etiology/ SPINE, radiography/ SYNDROME

344. **Bielicki F, Doliński J, Urban J, et al:** Wartość limfografii dotarczycowej w diagnostyce niektórych stanów zapalnych tarczycy. Wiad Lek 31(18):1261–4, 15 Sep 78 (Eng. Abstr.) **(Pol)**
ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LYMPHOGRAPHY, methods/ MIDDLE AGE/ THYROID NEOPLASMS, radiography/ *THYROIDITIS, radiography

345. **Bierich JR:** Estrogen treatment of girls with constitutional tall stature. Pediatrics 62(6 Pt 2):1196–201, Dec 78
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ *BODY HEIGHT/ CHILD/ CLOMIPHENE, diagnostic use/ *ESTROGENS, therapeutic use/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ LH–FSH RELEASING HORMONE, diagnostic use/ MENSTRUATION/ SOMATOMEDIN, blood

346. **Biggs JS, Baker TG:** Hormone production by the intact human corpus luteum in vitro. J Reprod Fertil 54(2):221–5, Nov 78
CORPUS LUTEUM, cytology/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, metabolism/ *ESTRADIOL, biosynthesis/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ MENSTRUATION/ ORGAN CULTURE/ *PROGESTERONE, biosynthesis

347. **Bílý B, Hubáčková J, Wilhelmová J:** Uber den Einfluss des Hydrons auf die Zahnpulpa im Vergleich zu anderen Präparaten. Polim Med 8(2):65–79, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ CATTLE/ COLLAGEN/ COMPARATIVE STUDY/ CORTISONE/ *DENTAL IMPLANTATION/ *DENTAL PULP, drug effects/ ENGLISH ABSTRACT/ GELATIN SPONGE, ABSORBABLE

348. **Binah O, Meiri U, Rahamimoff H:** The effects of HGCl2 and mersalyl on mechanisms regulating intracellular calcium and transmitter release. Eur J Pharmacol 51(4):453–7, 15 Oct 78
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ *CALCIUM, metabolism/ *DIURETICS, MERCURIAL, pharmacodynamics/ FROGS/ IN VITRO/ *MERCURY, pharmacodynamics/ *MERSALYL, pharmacodynamics/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ *NEUROHUMORS, metabolism/ RANA/ RATS/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TIME FACTORS

349. **Binder ND, Faber JJ, Thornburg KL:** The transplacental potential difference as distinguished from the maternal–fetal potential difference of the guinea–pig. J Physiol (Lond) 282:561–70, Sep 78
ANIMAL/ BROMIDES, blood/ FEMALE/ FETAL BLOOD, analysis/ *FETUS, physiology/ GUINEA PIGS/ LITHIUM, blood/ MEMBRANE POTENTIALS/ *PLACENTA, physiology/ PREGNANCY/ RUBIDIUM, blood/ SULFATES, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

350. **Bing RF, Schulster D:** Adenosine 3':5'–cyclic monophosphate production and steroidogenesis by isolated rat adrenal glomerulosa cells. Effects of angiotensin II and [Sar 1,Ala 8]angiotensin II. Biochem J 176(1):39–45, 15 Oct 78
*ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, biosynthesis/ ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *CORTICOSTERONE, biosynthesis/ FEMALE/ IN VITRO/ POTASSIUM,

pharmacodynamics/ RATS/ SARALASIN, pharmacodynamics/ SEROTONIN, pharmacodynamics

351. **Bing RJ:** Cardiac metabolsim: its contributions to alcoholic heart disease and myocardial failure. Circulation 58(6):965–70, Dec 78 (81 ref.)
ACETALDEHYDE, toxicity/ ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ALCOHOLIC INTOXICATION, enzymology/ ALCOHOLIC INTOXICATION, metabolism/ ANIMAL/ CALCIUM, metabolism/ CARDIOMYOPATHY, ALCOHOLIC, enzymology/ *CARDIOMYOPATHY, ALCOHOLIC, metabolism/ HEART FAILURE, CONGESTIVE, enzymology/ HEART FAILURE, CONGESTIVE, etiology/ *HEART FAILURE, CONGESTIVE, metabolism/ *HEART, drug effects/ HUMAN/ LIPIDS, metabolism/ MITOCHONDRIA, HEART, drug effects/ MITOCHONDRIA, HEART, enzymology/ MITOCHONDRIA, HEART, metabolism/ MUSCLE PROTEINS, biosynthesis/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ MYOFIBRILS, enzymology/ REVIEW/ SARCOLEMMA, drug effects/ SARCOLEMMA, metabolism/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

352. **Binkiewicz A, Robinson MJ, Senior B:** Pseudo-Cushing syndrome caused by alcohol in breast milk. J Pediatr 93(6):965–7, Dec 78
ADRENAL GLANDS, physiopathology/ *ALCOHOL DRINKING/ *ALCOHOL, ETHYL, adverse effects/ ALCOHOL, ETHYL, metabolism/ *BREAST FEEDING/ CASE REPORT/ *CUSHING'S SYNDROME, etiology/ FEMALE/ HUMAN/ HYDROCORTISONE, secretion/ INFANT/ *MILK, HUMAN, metabolism

353. **Binkley SA, Riebman JB, Reilly KB:** The pineal gland: a biological clock in vitro. Science 202(4373):1198–20, 15 Dec 78
*ACETYLTRANSFERASES, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *BIOLOGICAL CLOCKS/ CHICKENS/ *CIRCADIAN RHYTHM/ CIRCADIAN RHYTHM, drug effects/ LIGHT/ ORGAN CULTURE/ PINEAL BODY, enzymology/ *PINEAL BODY, physiology/ SEROTONIN/ UNITED STATES GOV'T SUPPORTED

354. **Binogradov VV, Tarasov IuA, Strumilo SA, et al:** O kortikosteroidnom kontrole rasshchepleniia NAD v pecheni krys. Ukr Biokhim Zh 50(5):576–8, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ DACTINOMYCIN, pharmacodynamics/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ NICOTINAMIDE, pharmacodynamics/ *NAD NUCLEOSIDASE, metabolism/ NAD, metabolism/ RATS

355. **Bird CE, Finnis W, Boroomand K, et al:** Kinetics of testosterone metabolism in normal postmenopausal women and women with breast cancer. Steroids 32(3):323–35, Oct 78
AGED/ *BREAST NEOPLASMS, metabolism/ ESTRADIOL, biosynthesis/ ESTRONE, biosynthesis/ FEMALE/ HUMAN/ KINETICS/ *MENOPAUSE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ *TESTOSTERONE, metabolism

356. **Bird ED, Iversen LL:** Neurochemical findings in Huntington's chorea. Essays Neurochem Neuropharmacol 1:177–95, 1977 (54 ref.)
ACETYLCHOLINE, metabolism/ BRAIN, enzymology/ BRAIN, metabolism/ CATECHOLAMINES, metabolism/ GLUTAMATE DECARBOXYLASE, metabolism/ GABA, metabolism/ HUMAN/ *HUNTINGTON CHOREA, metabolism/ *NERVOUS SYSTEM, metabolism/ REVIEW/ SEROTONIN, metabolism

357. **Bird FH:** The effect of aflatoxin B1 on the utilization of cholecalciferol by chicks. Poult Sci 57(5):1293–6, Sep 78
*AFLATOXINS, pharmacodynamics/ ANIMAL/ CALCIFICATION, PHYSIOLOGIC/ *CHICKENS, metabolism/ *CHOLECALCIFEROLS, metabolism/ COMPARATIVE STUDY/ DRUG INTERACTIONS/ MALE/ TIBIA, metabolism/ UNITED STATES GOV'T SUPPORTED

358. **Bird SJ, Maguire ME:** The agonist-specific effect of magnesium ion on binding by beta-adrenergic receptors in S49 lymphoma cells. Interaction of GTP and magnesium in adenylate cyclase activation. J Biol Chem 253(24):8826–34, 25 Dec 78
*ADENYL CYCLASE, metabolism/ CELL LINE/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ FLUORIDES, pharmacodynamics/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ ISOPROTERENOL, metabolism/ KINETICS/ LYMPHOMA, metabolism/ *MAGNESIUM, pharmacodynamics/ *RECEPTORS, ADRENERGIC, metabolism/ *RECEPTORS, ADRENERGIC, BETA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

359. **Birnbaum G, Tsairis P:** Thymic lymphocytes in myasthenia gravis. Ann Neurol 1(4):331–3, Apr 77
B-LYMPHOCYTES, immunology/ HUMAN/ LEUKOCYTE COUNT/ LEUKOCYTE CULTURE TEST, MIXED/ *MYASTHENIA GRAVIS, immunology/ MYASTHENIA GRAVIS, pathology/ ROSETTE FORMATION/ *T-LYMPHOCYTES, immunology/ THYMOMA, immunology/ THYMUS GLAND, immunology/ THYMUS GLAND, pathology/ THYMUS HYPERPLASIA, immunology/ THYMUS NEOPLASMS, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

360. **Bíró J:** In vitro effect of LH-RH on RNA content and synthesis in isolated anterior pituitary cells from intact and castrated female rats. Endocrinol Exp (Bratisl) 12(3):193–8, Sep 78
ANIMAL/ CASTRATION/ DNA, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ FLUOROURACIL, pharmacodynamics/ IN VITRO/ LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ *RNA, metabolism/ URIDINE, metabolism

361. **Bisset JP, Sauvan R, Roux F, et al:** Dosage radio-immunologique de la globuline fixant la thyroxine. Résultats préliminaires--intérêt pratique. Nouv Presse Med 7(32):2841–4, 23 Sep 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CONTRACEPTIVES, ORAL, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, blood/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ LIVER CIRRHOSIS, blood/ LIVER NEOPLASMS, blood/ MALE/ MIDDLE AGE/ PREGNANCY/ RADIOIMMUNOASSAY, methods/ THYROID DISEASES, blood/ *THYROXINE BINDING PROTEIN, analysis

362. **Bissette G, Manberg P, Nemeroff CB, et al:** Neurotensin, a biologically active peptide. Life Sci 23(22):2173–82, 27 Nov 78 (37 ref.)
ANIMAL/ BINDING SITES/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ CENTRAL NERVOUS SYSTEM, drug effects/ ENDOCRINE GLANDS, drug effects/ NEUROTENSIN, analogs & derivatives/ NEUROTENSIN, metabolism/ NEUROTENSIN, pharmacodynamics/ *NEUROTENSIN, physiology/ RADIOIMMUNOASSAY/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

363. **Bixler TJ, Gardner TJ, Flaherty JT, et al:** Effects of changes in calcium concentration during postischemic reperfusion on ventricular function and myocardial edema and metabolism. Surg Forum 28:277–8, 1977
ANIMAL/ *CALCIUM, metabolism/ CATS/ *EDEMA, CARDIAC, metabolism/ *HEART ARREST, INDUCED/ *HEART FAILURE, CONGESTIVE, metabolism/ HEART VENTRICLE, metabolism/ *HEART, physiology/ *MYOCARDIUM, metabolism/ *PERFUSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

364. **Black BL:** Morphological development of the epithelium of the embryonic chick intestine in culture: influence of thyroxine and hydrocortisone. Am J Anat 153(4):573–99, Dec 78
ANIMAL/ CELL DIFFERENTIATION, drug effects/ CHICK EMBRYO/ DUODENUM, growth & development/ *DUODENUM, ultrastructure/

*HYDROCORTISONE, pharmacodynamics/ INTESTINAL MUCOSA, growth & development/ *INTESTINAL MUCOSA, ultrastructure/ MICROVILLI, ultrastructure/ MITOSIS/ *THYROXINE, pharmacodynamics/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

365. **Blackwell GJ, Flower RJ, Russell-Smith N, et al:** Prostacyclin is produced in whole blood [proceedings]
Br J Pharmacol 64(3):436P, Nov 78
ANIMAL/ IN VITRO/ *PROSTAGLANDINS X, blood/ *PROSTAGLANDINS, blood/ RABBITS

366. **Blahos J, Fox J, Care AD:** Vliv nízkokalciové diety na střevní absorpci kalcia u kuřat. Circ Shock 117(34):1050-3, 25 Aug 78 (Eng. Abstr.) **(Cze)**
ANIMAL/ *CALCIUM, metabolism/ *CALCIUM, DIETARY, administration & dosage/ CHICKENS, metabolism/ ENGLISH ABSTRACT/ *INTESTINAL ABSORPTION, drug effects/ INTESTINES, metabolism

367. **Blake CA:** Neurohumoral control of cyclic pituitary LH and FSH release. Clin Obstet Gynaecol 5(2):305-27, Aug 78 (57 ref.)
ANIMAL/ BIOLOGICAL CLOCKS/ CASTRATION/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ESTRUS/ FEMALE/ *FSH, secretion/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ *LH, secretion/ LH-FSH RELEASING HORMONE, physiology/ *NEUROHUMORS, physiology/ NOREPINEPHRINE, pharmacodynamics/ OVULATION/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ RATS/ REVIEW/ SEX HORMONES, physiology/ STRESS, PSYCHOLOGICAL, physiopathology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

368. **Blanc J:** Les kystes de l'ovaire; leur complications. Soins 23(19):19-24, 5 Oct 78 **(Fre)**
FEMALE/ HUMAN/ *OVARIAN CYSTS, complications/ OVARIAN CYSTS, diagnosis/ OVARIAN CYSTS, therapy/ POSTOPERATIVE COMPLICATIONS

369. **Blask DE, Vaughan MK, Reiter RJ, et al:** Influence of arginine vasotocin on the estrogen-induced surge of LH and FSH in adult ovariectomized rats. Life Sci 23(10):1035-40, 11 Sep 78
ANIMAL/ CASTRATION/ DRUG INTERACTIONS/ *ESTROGENS, pharmacodynamics/ FEMALE/ *FSH, blood/ *LH, blood/ OXYTOCIN, pharmacodynamics/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, pharmacodynamics/ *VASOTOCIN, pharmacodynamics

370. **Blask DE, Reiter RJ:** Pineal removal or denervation: effects on hypothalamic PRF activity in the rat.
Mol Cell Endocrinol 11(3):243-8, Sep 78
ANIMAL/ ANOSMIA, metabolism/ BIOLOGICAL ASSAY/ BLINDNESS, metabolism/ FEMALE/ *HYPOTHALAMUS, metabolism/ *PINEAL BODY, physiology/ *PROLACTIN RELEASING HORMONE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED

371. **Blichert-Toft M, Christiansen C, Axelsson CK, et al:** TSH response pattern to TRH test and optimum time of blood sampling in sporadic euthyroid goitre. Acta Med Scand 204(5):365-8, 1978
ADULT/ AGED/ BLOOD SPECIMEN COLLECTION/ FEMALE/ *GOITER, blood/ GOITER, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, blood/ TIME FACTORS

372. **Bloch B, Bugnon C, Lenys D, et al:** Description des neurones immunoréactifs à un immunsérum anti beta-endorphine présents dans le noyau infundibulaire chez l'homme.
C R Acad Sci [D] (Paris) 287(4):309-12, 11 Sep 78 (Eng. Abstr.) **(Fre)**
ADULT/ *ENDORPHINS, immunology/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHALAMUS, embryology/ *HYPOTHALAMUS, immunology/ *NEURONS, immunology

373. **Block MB, Johnston H, Kartub MG:** Unilateral exophthalmos: an unusual presentation of primary hyperparathyroidism.
Ariz Med 35(12):785-6, Dec 78
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ *EXOPHTHALMOS, etiology/ GIANT CELL TUMORS, diagnosis/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ MALE/ ORBITAL NEOPLASMS, diagnosis

374. **Blondeau P:** Traitement chirurgical de l'hyperthyroïdie. Introduction. Chirurgie 104(4):707-8, Jun 78 **(Fre)**
HUMAN/ HYPERTHYROIDISM, classification/ *HYPERTHYROIDISM, surgery

375. **Blondeau P:** Chirurgie de la maladie de Basedow. Chirurgie 104(4):709-19, Jun 78 **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ *GOITER, EXOPHTHALMIC, surgery/ HUMAN/ HYPOTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ REMISSION/ THYROIDECTOMY

376. **Blondel B, Bréart G, Rumeau-Rouquette C:** La contraception avant une grossesse. Evolution entre 1972 et 1975 dans la région Rhône-Alpes.
J Gynecol Obstet Biol Reprod (Paris) 7(4):767-78, May-Jun 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ COITUS INTERRUPTUS/ COMPARATIVE STUDY/ *CONTRACEPTION/ CONTRACEPTIVE DEVICES/ CONTRACEPTIVES, ORAL/ ENGLISH ABSTRACT/ FAMILY CHARACTERISTICS/ FEMALE/ FRANCE/ HUMAN/ PREGNANCY/ RHYTHM METHOD/ SOCIAL CLASS/ STATISTICS

377. **Bloom BR, Diamond B, Muschel R, et al:** Genetic approaches to the mechanism of macrophage functions. Fed Proc 37(13):2765-71, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ BINDING SITES/ CELL LINE/ COMPLEMENT 3/ GENES/ HYBRID CELLS/ IMMUNOGLOBULINS, FC/ INSULIN, pharmacodynamics/ *MACROPHAGES, physiology/ PHAGOCYTOSIS, drug effects/ ROSETTE FORMATION/ SUPEROXIDE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

378. **Blum M, Feiner HD, Worth MH, et al:** Clinical implications of the rare thyroid carcinoma which is indistinguishable from a follicular adenoma. Am J Med Sci 276(1):99-104, Jul-Aug 78
*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, pathology/ *ADENOMA, diagnosis/ ADENOMA, pathology/ ADULT/ AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

379. **Blumenstein M, Hruby VJ, Yamamoto DM:** Evidence from hydrogen-1 and carbon-13 nuclear magnetic resonance studies that the dissociation rate of oxytocin from bovine neurophysin at neutral pH is slow. Biochemistry 17(23):4971-7, 14 Nov 78
ANIMAL/ CARBON ISOTOPES/ CATTLE/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *NEUROPHYSINS/ NUCLEAR MAGNETIC RESONANCE/ *OXYTOCIN/ PROTEIN BINDING/ TYROSINE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

380. **Blundell JE:** Is there a role for serotonin (5-hydroxytryptamine) in feeding? Int J Obes 1(1):15-42, 1977 (233 ref.)
ANIMAL/ BRAIN, physiology/ EATING/ *FEEDING BEHAVIOR/ INJECTIONS, INTRAVENTRICULAR/ RATS/ RECEPTORS, SEROTONIN, physiology/ REVIEW/ SEROTONIN, administration & dosage/ SEROTONIN, metabolism/ *SEROTONIN, physiology

381. **Boarder MR:** The mode of action of indolamine and other hallucinogens. Essays Neurochem Neuropharmacol 2:21-48, 1977 (102 ref.)

ACTION POTENTIALS, drug effects/ ANIMAL/ AROUSAL, drug effects/ BRAIN, drug effects/ CATECHOLAMINES, physiology/ DOPAMINE, physiology/ *HALLUCINOGENS, pharmacodynamics/ HUMAN/ *INDOLES, pharmacodynamics/ NOREPINEPHRINE, physiology/ RECEPTORS, SEROTONIN, drug effects/ REVIEW/ SEROTONIN, metabolism

382. **Bobilewicz D, Krawczyński J:** Rola zmienności biologicznej w interpretacji wyników badań laboratoryjnych. Pol Tyg Lek 33(49):1893–5, 4 Dec 78 (16 ref.) **(Pol)**
*BIOLOGICAL CLOCKS/ BLOOD PROTEINS, analysis/ *CIRCADIAN RHYTHM/ *DIAGNOSIS, LABORATORY/ DIURNAL RHYTHM/ ELECTROLYTES, blood/ ENZYMES, blood/ HEMATOCRIT/ HORMONES, secretion/ HUMAN/ REVIEW

383. **Böcker W, Dralle H, Koch G, et al:** Immunhistochemical and electron microscope analysis of adenomas of the thyroid gland. II. Adenomas with specific cytological differentiation. Virchows Arch [Pathol Anat] 380(3):205–20, 14 Nov 78
*ADENOMA, ultrastructure/ CELL DIFFERENTIATION/ ENDOPLASMIC RETICULUM, ultrastructure/ HUMAN/ LYSOSOMES, ultrastructure/ MITOCHONDRIA, ultrastructure/ THYROGLOBULIN, analysis/ *THYROID NEOPLASMS, ultrastructure/ VACUOLES, ultrastructure

384. **Boczkowski K:** Nowotwory dysgenetycznych gonad u kobiet z chromosomem męskim Y. Postepy Hig Med Dosw 32(3):381–90, May–Jun 78 **(Pol)**
ADULT/ *DYSGERMINOMA, complications/ FEMALE/ HUMAN/ KARYOTYPING/ *OVARIAN NEOPLASMS, complications/ OVARY, pathology/ *TURNER'S SYNDROME, complications/ Y CHROMOSOME

385. **Boczkowski K:** Determinacja płci człowieka a chromosom Y. Postepy Hig Med Dosw 32(3):373–80, May–Jun 78 (21 ref.) (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ MOSAICISM/ MUTATION/ PHENOTYPE/ REVIEW/ *SEX CHROMOSOMES/ SEX CHROMOSOMES, physiology/ *SEX DETERMINATION/ SEX DIFFERENTIATION DISORDERS, familial & genetic/ SEX FACTORS/ TRANSLOCATION (GENETICS)/ *Y CHROMOSOME/ Y CHROMOSOME, physiology

386. **Boczkowski K, Piątkowski J:** Rodzinne występowanie nowotworów gonad u kobiet z kariotypem 46,XY. Endokrynol Pol 29(6):527–35, Nov–Dec 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ CASE REPORT/ *DYSGERMINOMA, familial & genetic/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ *OVARIAN NEOPLASMS, familial & genetic/ PEDIGREE/ *SEX CHROMOSOMES/ Y CHROMOSOME

387. **Bodansky M, Natarajan S, Gardner JD, et al:** Synthesis and some pharmacological properties of the 23-peptide 15-lysine-secretin-(5--27). Special role of the residue in position 15 in biological activity of the vasoactive intestinal polypeptide. J Med Chem 21(11):1171–3, Nov 78
ANIMAL/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ PANCREAS, drug effects/ PANCREAS, secretion/ RATS/ RECEPTORS, HORMONE, drug effects/ *SECRETIN, analogs & derivatives/ SECRETIN, chemical synthesis/ SECRETIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

388. **Boddy K, Williams ED, Haywood JK, et al:** Simultaneous measurement of a deficit in total body calcium and phosphorus in diagnosis of hyperparathyroidism. Br Med J 2(6141):864, 23 Sep 78
BODY COMPOSITION/ *CALCIUM, analysis/ CALCIUM, deficiency/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ MIDDLE AGE/ *PHOSPHORUS, analysis/ PHOSPHORUS, deficiency

389. **Bogdanova EA, Antipina NN, Shchedrina RN, et al:** Opyt po primeneniiu éstriola dlia lecheniia iuvenil'nykh krovotechenii. Vopr Okhr Materin Det 23(9):75–7, Sep 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CASE REPORT/ ENGLISH ABSTRACT/ *ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ *MENSTRUATION DISORDERS, drug therapy

390. **Boggis J, Bowman V, Holder G, et al:** Parallel competitive binding and metabolic endpoint assays for hCG based on rabbit granulosa cells. J Reprod Fertil 54(1):127–31, Sep 78
ACETATES, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ BIOLOGICAL ASSAY, methods/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ *GRANULOSA CELLS, metabolism/ IN VITRO/ PROGESTATIONAL HORMONES, biosynthesis/ RABBITS

391. **Bogin BA:** Seasonal pattern in the rate of growth in height of children living in Guatemala. Am J Phys Anthropol 49(2):205–10, Aug 78
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ CHOLECALCIFEROLS, biosynthesis/ *GROWTH/ GUATEMALA/ HUMAN/ RAIN/ *SEASONS/ TEMPERATURE/ WEATHER

392. **Bohus B:** The influence of pituitary neuropeptides on sexual behavior. Probl Actuels Endocrinol Nutr (21):235–46, 1977 (45 ref.)
ANIMAL/ COPULATION, physiology/ CORTICOTROPIN, physiology/ ENDORPHINS, physiology/ ENKEPHALINS, physiology/ FEMALE/ LH, physiology/ LH-FSH RELEASING HORMONE, physiology/ MALE/ *PEPTIDES, physiology/ *PITUITARY HORMONES, physiology/ RABBITS/ RATS/ REVIEW/ *SEX BEHAVIOR, ANIMAL, physiology/ VASOPRESSINS, physiology

393. **Bohus B, Kovács GL, de Wied D:** Oxytocin, vasopressin and memory: opposite effects on consolidation and retrieval processes. Brain Res 157(2):414–7, 24 Nov 78
ANIMAL/ AVOIDANCE LEARNING, drug effects/ INJECTIONS, INTRAVENTRICULAR/ MALE/ *MEMORY, drug effects/ OXYTOCIN, administration & dosage/ *OXYTOCIN, pharmacodynamics/ RATS/ REACTION TIME, drug effects/ TIME FACTORS/ VASOPRESSINS, administration & dosage/ *VASOPRESSINS, pharmacodynamics

394. **Boiti C, Yalow RS:** Corticosteroid response of rabbits and rats to exogenous ACTH. Endocr Res Commun 5(1):21–33, 1978
ANIMAL/ *CORTICOSTERONE, blood/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ *HYDROCORTISONE, blood/ KINETICS/ MALE/ RABBITS/ RATS/ SPECIES SPECIFICITY/ SWINE/ UNITED STATES GOV'T SUPPORTED

395. **Boland MP, Gordon I:** Twinning in lactating Friesian cows by non-surgical egg transfer. Vet Rec 103(11):241, 9 Sep 78
ANIMAL/ *CATTLE, physiology/ FEMALE/ *LACTATION/ *OVUM, transplantation/ PREGNANCY/ *PREGNANCY, ANIMAL/ RABBITS/ TRANSPLANTATION, HOMOLOGOUS/ TWINS

396. **Bollum FJ:** Terminal deoxynucleotidyl transferase: biological studies. Adv Enzymol 47:347–74, 1978 (69 ref.)
ANIMAL/ DEXAMETHASONE, pharmacodynamics/ *DNA NUCLEOTIDYLEXOTRANSFERASE, metabolism/ *DNA NUCLEOTIDYLTRANSFERASES, metabolism/ KINETICS/ LEUKEMIA, EXPERIMENTAL, enzymology/ *NEOPLASMS, EXPERIMENTAL, enzymology/ PLASMACYTOMA, enzymology/ PROTEIN CONFORMATION/ REVIEW/ SUBSTRATE SPECIFICITY/ *THYMUS GLAND, enzymology/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

397. **Bolman RM 3d, Cooper CW, Garner SC, et al:** Somatostatin inhibits and reverses hypergastrinemia induced by parathyroid hormone, calcium, and acetylcholine. Surg Forum 28:373–4, 1977
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *CALCIUM, pharmacodynamics/ *GASTRINS, blood/ *PARATHYROID HORMONE, pharmacodynamics/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, therapeutic use/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

398. **Bonjour JP, Preston C, Troehler U, et al:** Regulation of the tubular transport of phosphate in the rat: role of parathyroid hormone and 1,25-dihydroxyvitamin D3.
Adv Exp Med Biol 103:97-103, 1978
ANIMAL/ DIET/ *DIHYDROXYCHOLECALCIFEROLS, physiology/ *HYDROXYCHOLECALCIFEROLS, physiology/ *KIDNEY TUBULES, metabolism/ PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ RATS/ THYROIDECTOMY

399. **Bonner OD:** Interaction of urea and substituted ureas with polyglycine and certain proteins. Physiol Chem Phys 10(1):25-35, 1978
GLYCINE/ METHYLUREA COMPOUNDS/ PEPTIDES/ PROTEIN DENATURATION/ *PROTEINS/ THIOUREA/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREA

400. **Bonnin A, Butez J, Sahut d'Irzarn JJ, et al:** Valeur du pneumorétropéritoine dans l'exploration du syndrome de Cushing. J Radiol Electrol Med Nucl 59(6-7):431, Jun-Jul 78 **(Fre)**
CUSHING'S SYNDROME, etiology/ *CUSHING'S SYNDROME, radiography/ HUMAN/ *RETROPNEUMOPERITONEUM

401. **Bonnin M, Mondain-Monval M, Dutourné B:** Oestrogen and progesterone concentrations in peripheral blood in pregnant red foxes (Vulpes vulpes). J Reprod Fertil 54(1):37-41, Sep 78
ANIMAL/ *ESTROGENS, blood/ FEMALE/ *FOXES, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ PSEUDOPREGNANCY

402. **Boobis AR, Nebert DW, Pelkonen O:** Effects of microsomal enzyme inducers in vivo and inhibitors in vitro on the covalent binding of benzo[a]pyrene metabolites to DNA catalyzed by liver microsomes from genetically responsive and nonresponsive mice. Biochem Pharmacol 28(1):111-21, 1979
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ *BENZOPYRENES, metabolism/ COMPARATIVE STUDY/ CYCLOHEXANES, pharmacodynamics/ *DNA, metabolism/ *ENZYME INDUCTION, drug effects/ *ENZYME INHIBITORS, pharmacodynamics/ FLAVONES, pharmacodynamics/ IN VITRO/ METHYLCHOLANTHRENE, pharmacodynamics/ METYRAPONE, pharmacodynamics/ MICE/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ PHENOBARBITAL, pharmacodynamics/ POLYCHLOROBIPHENYL COMPOUNDS, pharmacodynamics/ PREGNENOLONE CARBONITRILE, pharmacodynamics/ SPECIES SPECIFICITY/ TETRACHLORODIBENZODIOXIN, pharmacodynamics

403. **Booth JE:** Effects of the aromatization inhibitor androst-4-ene-3,6,17-trione on sexual differentiation induced by testosterone in the neonatally castrated rat.
J Endocrinol 79(1):69-76, Oct 78
*ANDROSTENEDIONE, analogs & derivatives/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL/ CASTRATION/ MALE/ ORGAN WEIGHT, drug effects/ OVARY, transplantation/ RATS/ SEX BEHAVIOR, ANIMAL, drug effects/ *SEX DIFFERENTIATION, drug effects/ TESTOSTERONE, pharmacodynamics/ TRANSPLANTATION, ISOGENEIC

404. **Borbély AA:** Effects of light on sleep and activity rhythms. Prog Neurobiol 10(1):1-31, 1978
ACOUSTIC STIMULATION/ *ACTIVITY CYCLES/ ANIMAL/ *CIRCADIAN RHYTHM/ DIURNAL RHYTHM/ DRINKING/ EATING/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ HAMSTERS/ HORMONES, physiology/ *LIGHT/ MICE/ MOTOR ACTIVITY, physiology/ PHOTIC STIMULATION/ RATS/ RETINA, physiology/ SEROTONIN, metabolism/ *SLEEP/ SLEEP, physiology/ SLEEP, REM, physiology/ SUPRAOPTIC NUCLEUS, physiology/ WAKEFULNESS, physiology

405. **Boreham DR, Ford GC, Haskins NJ, et al:** Electron impact and chemical ionization mass spectrometry of steroidal spirolactones. Biomed Mass Spectrom 5(9):524-30, Sep 78
AMMONIA/ CHROMATOGRAPHY, GAS/ IONS/ METHANE/ SPECTRUM ANALYSIS, MASS, methods/ *SPIRONOLACTONE, analogs & derivatives/ SPIRONOLACTONE, analysis/ STEROIDS, analysis/ TRIMETHYLSILYL COMPOUNDS, analysis

406. **Borejko J, Jeleniewska A:** Popromienny rak gruczołu tarczowego po leczeniu rdzeniaka płodowego.
Pol Przegl Radiol 42(3):231-5, May-Jun 78 (Eng. Abstr.) **(Pol)**
*BRAIN NEOPLASMS, radiotherapy/ *CARCINOMA, PAPILLARY, etiology/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ *MEDULLOBLASTOMA, radiotherapy/ *NEOPLASMS, RADIATION-INDUCED/ PREGNANCY/ *RADIOTHERAPY, adverse effects/ *THYROID NEOPLASMS, etiology

407. **Boris A, Hurley JF, Trmal T, et al:** Evidence for the promotion of bone mineralization by 1alpha,25-dihydroxycholecalciferol in the rat unrelated to the correction of deficiencies in serum calcium and phosphorus. J Nutr 108(12):1899-906, Dec 78
ANIMAL/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ CALCIFICATION, PHYSIOLOGIC, drug effects/ *CALCIUM, metabolism/ CALCIUM, therapeutic use/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ EPIPHYSES, metabolism/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HYPOCALCEMIA, drug therapy/ HYPOCALCEMIA, metabolism/ MALE/ PARATHYROID GLANDS, physiology/ *PHOSPHORUS, metabolism/ PHOSPHORUS, therapeutic use/ RATS/ *SODIUM ETIDRONATE, pharmacodynamics/ THYROID GLAND, physiology

408. **Borisova EA:** O funktsional'noĭ morfologii dopol'nitel'nykh neĭrosekretornykh kletok gipotalamusa koshki.
Biull Eksp Biol Med 86(11):604-7, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CATS/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, physiology/ MALE/ NEURAL PATHWAYS, anatomy & histology/ NEURONS, AFFERENT, physiology/ NEUROSECRETION/ SUPRAOPTIC NUCLEUS, physiology/ SYMPATHETIC NERVOUS SYSTEM, physiology/ VAGUS NERVE, physiology

409. **Borisova NA, Chandrasekkhar K:** Izmenenie kolichestva belka v neĭronakh gipotalamusa polovozrelykh krys-samtsov, kastrirovannykh neonatal'no. Biull Eksp Biol Med 86(11):586-9, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ANIMALS, NEWBORN/ *CASTRATION/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, analysis/ HYPOTHALAMUS, ANTERIOR, analysis/ MALE/ *NERVE TISSUE PROTEINS, analysis/ ORGAN WEIGHT/ RATS

410. **Boron WF, Russell JM, Brodwick MS, et al:** Influence of cyclic AMP on intracellular pH regulation and chloride fluxes in barnacle muscle fibers. Nature 276(5687):511-3, 30 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ BARNACLES/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CHLORIDES, metabolism/ *HYDROGEN-ION CONCENTRATION/ *MUSCLES, physiology

411. **Bortoff A:** Specific impedance studies of visceral smooth muscle: effects of steroid hormones.
Nippon Heikatsukin Gakkai Zasshi 14 Suppl:15-6, Feb 78
ACTION POTENTIALS, drug effects/ ANIMAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ *MYOMETRIUM, physiology/ *PROGESTERONE, pharmacodynamics/ RABBITS/ RHEOLOGY/ *UTERUS, physiology

412. **Bosch AM, Dijkhuizen DM, Schuurs AH, et al:** Enzyme immunoassay for total oestrogens in pregnancy plasma or serum. Clin Chim Acta 89(1):59-70, 2 Oct 78
ANTIBODY SPECIFICITY/ *ESTROGENS, blood/ FEMALE/ GLUCURONATES, analysis/ HELIX (SNAILS)/ HUMAN/ HYDROLYSIS/ IMMUNOENZYME TECHNICS/ METHODS/ PLASMA, analysis/ *PREGNANCY/ SERUM

ALBUMIN, BOVINE/ SULFATES, analysis

413. **Bosch Y, Arroyo V, Mauri M, et al:** Perfusione renale e sistema renina-angiotensina nella cirrosi epatica. Minerva Med 69(47):3249–55, 6 Oct 78 **(Ita)**
*ALDOSTERONE, blood/ *ANGIOTENSIN II/ ANGIOTENSIN II, antagonists & inhibitors/ HUMAN/ *KIDNEY FAILURE, ACUTE, etiology/ KIDNEY FUNCTION TESTS/ KIDNEY, blood supply/ *KIDNEY, physiopathology/ *LIVER CIRRHOSIS, physiopathology/ NATRIURESIS/ *RENIN, blood

414. **Boskoff KJ:** The oestrous cycle of the brown lemur, Lemur fulvus. J Reprod Fertil 54(2):313–8, Nov 78
ANIMAL/ CERVIX MUCUS, cytology/ *ESTRUS/ FEMALE/ GENITALIA, FEMALE/ *LEMURS, physiology/ *PROSIMIANS, physiology/ SEASONS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINA, cytology

415. **Bothwell MA, Shooter EM:** Thermodynamics of interaction of the subunits of 7 S nerve growth factor. The mechanism of activation of the esteropeptidase activity by chelators. J Biol Chem 253(23):8458–64, 10 Dec 78
ANIMAL/ BINDING, COMPETITIVE/ EDTA, pharmacodynamics/ KINETICS/ MACROMOLECULAR SYSTEMS/ MATHEMATICS/ MICE/ *NERVE GROWTH FACTOR, metabolism/ *PEPTIDE HYDROLASES, metabolism/ PROTEIN BINDING/ SUBMANDIBULAR GLAND, enzymology

416. **Botsford JL, Drexler M:** The cyclic 3',5'-adenosine monophosphate receptor protein and regulation of cyclic 3',5'-adenosine monophosphate synthesis in Escherichia coli. Mol Gen Genet 165(1):47–56, 20 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ CULTURE MEDIA/ ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, genetics/ *ESCHERICHIA COLI, metabolism/ FRUCTOSE, pharmacodynamics/ GLUCOSE, pharmacodynamics/ GLYCERIN, pharmacodynamics/ MUTATION/ *RECEPTORS, CYCLIC AMP, metabolism/ SUCCINATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

417. **Bottazzo GF, Cudworth AG, Moul DJ, et al:** Evidence for a primary autoimmune type of diabetes mellitus. Br Med J 2(6147):1253–5, 4 Nov 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ AUTOANTIBODIES, analysis/ AUTOIMMUNE DISEASES, complications/ *AUTOIMMUNE DISEASES, immunology/ CHILD/ CHILD, PRESCHOOL/ DIABETES MELLITUS, complications/ *DIABETES MELLITUS, immunology/ FAMILY/ FEMALE/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ HL-A ANTIGENS, analysis/ ISLANDS OF LANGERHANS, immunology/ MALE/ MIDDLE AGE/ MYXEDEMA, complications/ SEX FACTORS/ THYROID DISEASES, complications

418. **Bottenfield G, Ostrea EM Jr:** Neonatal thyrotoxicosis in four siblings born to a previously thyrotoxic mother. Am J Dis Child 132(12):1218–20, Dec 78
ADULT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, etiology/ *HYPERTHYROIDISM, familial & genetic/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, familial & genetic/ MALE

419. **Böttger E, Kleinsorge H, Wemmer U, et al:** Differentialdiagnose der metaphysären Dysplasien und der Osteodysplastie (Melnick-Needles-Syndrom). Z Orthop 116(6):810–9, 1978 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ *BONE AND BONES, abnormalities/ *BONE DISEASES, DEVELOPMENTAL, diagnosis/ BONE DISEASES, DEVELOPMENTAL, radiography/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FOOT, radiography/ HUMAN/ INFANT/ MALE/ *MANDIBULOFACIAL DYSOSTOSIS, diagnosis/ MANDIBULOFACIAL DYSOSTOSIS, radiography/ *SKULL, abnormalities/ SKULL, radiography/ SYNDROME

420. **Bouckaert A, Beckers C, Francois B:** Screening of the thyroid function of newborns in Southern Belgium. Int J Epidemiol 7(3):249, Sep 78
BELGIUM/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, prevention & control/ MALE/ *MASS SCREENING/ *THYROID DISEASES, prevention & control/ *THYROID FUNCTION TESTS/ THYROTROPIN, blood/ THYROXINE, blood

421. **Bougneres P, Schaison G:** Considérations physiopathologiques de base sur les hyperthyroïdies. Chirurgie 104(4):684–93, Jun 78 (Eng. Abstr.) **(Fre)**
ADENOMA, complications/ AUTOIMMUNE DISEASES/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, immunology/ GOITER, NODULAR, complications/ HORMONES, ECTOPIC/ HUMAN/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, immunology/ IODINE, adverse effects/ THYROID HORMONES, adverse effects/ THYROID NEOPLASMS, complications/ THYROIDITIS, complications/ THYROIDITIS, LYMPHOMATOUS, complications/ THYROTROPIN, secretion

422. **Boullin DJ, Orr MW, Peters JR:** The platelet as a model for investigating the clinical efficacy of centrally acting drugs: relations between platelet aggregation and clinical condition in schizophrenics treated with chlorpromazine. pp. 389–410.

In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.
ACUTE DISEASE/ ADULT/ BINDING SITES/ *BLOOD PLATELETS, drug effects/ *CHLORPROMAZINE, therapeutic use/ CHRONIC DISEASE/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MONOGRAPH/ NOREPINEPHRINE, pharmacodynamics/ PLACEBOS/ *PLATELET AGGREGATION, drug effects/ PSYCHIATRIC STATUS RATING SCALES/ *SCHIZOPHRENIA, drug therapy/ SEROTONIN, pharmacodynamics

423. **Bounhiol JJ:** Les hormones de l'autre et le comportement sexuel. Probl Actuels Endocrinol Nutr (21):247–74, 1977 (16 ref.) **(Fre)**
AGING/ ANIMAL/ BIRDS/ CATTLE/ CHICKENS/ CRUSTACEA/ FEMALE/ FISHES/ HERMAPHRODITISM, familial & genetic/ INSECTS/ MALE/ PARTHENOGENESIS/ *PHEROMONES, physiology/ PSEUDOHERMAPHRODITISM, familial & genetic/ REPTILES/ REVIEW/ *SEX BEHAVIOR, ANIMAL, physiology/ SEX DIFFERENTIATION DISORDERS, embryology/ *SEX HORMONES, physiology

424. **Boura A:** Prostaglandins and thromboxanes [editorial] Med J Aust 2(2):55–6, 15 Jul 78
ANALGESICS, ANTI-INFLAMMATORY, pharmacodynamics/ HUMAN/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, pharmacodynamics/ *THROMBOXANES, metabolism

425. **Bourgeois P, Dupont W, Vaillant R:** Noradrénaline et adrénaline chez la grenouille verte: concentrations surrénaliennes et plasmatiques dans diverses conditions expérimentales. Ann Endocrinol (Paris) 39(3):233–4, 1978 (Eng. Abstr.) **(Fre)**
*ADRENAL CORTEX HORMONES, physiology/ *ADRENAL GLANDS, physiology/ ANIMAL/ ENGLISH ABSTRACT/ EPINEPHRINE, blood/ *EPINEPHRINE, metabolism/ *FROGS, physiology/ NOREPINEPHRINE, blood/ *NOREPINEPHRINE, metabolism

426. **Bourgoin A, Ployet MJ, Reynaud J, et al:** Anesthésie de très longue durée en chirurgie cervico-faciale. Anesth Analg (Paris) 35(3):511–9, May-Jun 78 **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ *ANESTHESIA, GENERAL/ ANESTHESIA, GENERAL, methods/ FEMALE/ *HEAD AND NECK NEOPLASMS, surgery/ HUMAN/ LARYNGEAL NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ MOUTH NEOPLASMS, surgery/ OTITIS, surgery/ PHARYNGEAL NEOPLASMS, surgery/ THYROIDITIS, surgery/ TIME FACTORS

427. **Bouters R, Spincemaille J, Vandeplassche M, et al:** Implantatie, foetale ontwikkeling en PMSG-productie bij tweelingmerries na paring met hun chimaere tweelingbroeder. Verh K Acad Geneeskd Belg 40(4):253–68, 1978 (Eng.

Abstr.) (Dut)
ANIMAL/ *CHIMERA/ ENDOMETRIUM, cytology/ ENGLISH ABSTRACT/ FEMALE/ *FETUS/ *GONADOTROPINS, EQUINE, biosynthesis/ *HORSES/ IMMUNE TOLERANCE/ MALE/ *NIDATION/ PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL

428. **Boutroy JL, Manini P, Girard M, et al:** Syndrome de Rokitansky-Kuster-Hauser atypique et dysmorphies turnériennes à caryotype normal (syndrome d'Ullrich-Noonan). A propos d'un cas d'association. J Gynecol Obstet Biol Reprod (Paris) 7(4):831-5, May-Jun 78 (Eng. Abstr.) (Fre)
ADULT/ AUTOSOME ABNORMALITIES/ CASE REPORT/ ENGLISH ABSTRACT/ *FALLOPIAN TUBES, abnormalities/ FEMALE/ GENES, DOMINANT/ HUMAN/ *NOONAN SYNDROME, complications/ NOONAN SYNDROME, familial & genetic/ SYNDROME/ *UTERUS, abnormalities

429. **Bowman JM:** Suppression of Rh isoimmunization. A review. Obstet Gynecol 52(4):385-93, Oct 78
ABORTION, immunology/ ABORTION, INDUCED/ AMNIOCENTESIS/ *ANTIBODY FORMATION/ *ERYTHROBLASTOSIS, FETAL, prevention & control/ FEMALE/ FETOMATERNAL TRANSFUSION, immunology/ HAPTENS/ HEMORRHAGE, immunology/ HUMAN/ IMMUNOGLOBULINS/ PLACENTA DISORDERS, immunology/ PLASMAPHERESIS/ PREGNANCY/ PROMETHAZINE, therapeutic use/ *RH-HR BLOOD-GROUP SYSTEM

430. **Bownes M, Hames BD:** Genetic analysis of vitellogenesis in Drosophila melanogaster: the identification of a temperature-sensitive mutation affecting one of the yolk proteins. J Embryol Exp Morphol 47:111-20, Oct 78
ANIMAL/ *DROSOPHILA MELANOGASTER, genetics/ *EGG YOLK/ HEMOLYMPH, metabolism/ *MUTATION/ OVARY, metabolism/ PROTEINS, biosynthesis/ STERILITY, FEMALE/ TEMPERATURE

431. **Bowsher D:** Pain pathways and mechanisms. Anaesthesia 33(10):935-44, Nov-Dec 78 (72 ref.)
ANIMAL/ BRAIN, physiopathology/ ENKEPHALINS, physiology/ HUMAN/ NEURAL PATHWAYS, physiopathology/ NOCICEPTORS, physiopathology/ *PAIN, physiopathology/ PERIPHERAL NERVES, physiopathology/ RECEPTORS, SENSORY, physiopathology/ RETICULAR FORMATION, physiopathology/ REVIEW/ SPINAL CORD, physiopathology/ SPINOTHALAMIC TRACTS, physiopathology/ SUBSTANTIA GELATINOSA, physiopathology

432. **Boxer LA, Richardson SB, Baehner RL:** Effects of surface-active agents on neutrophil receptors. Infect Immun 21(1):28-33, Jul 78
*BINDING SITES, drug effects/ *CELL MEMBRANE, immunology/ *COMPLEMENT 3, immunology/ CYTOCHALASIN B, pharmacodynamics/ ETHYLMALEIMIDE, pharmacodynamics/ HEAT/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ HYDROGEN PEROXIDE, pharmacodynamics/ *IMMUNOGLOBULINS, FC, immunology/ *NEUTROPHILS, immunology/ OPSONINS/ *ROSETTE FORMATION/ SALMONELLA TYPHIMURIUM/ STREPTOCOCCUS PNEUMONIAE/ SUPEROXIDE DISMUTASE, pharmacodynamics/ TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XANTHINE OXIDASE, pharmacodynamics/ XANTHINES, pharmacodynamics

433. **Boyd H, McAfee DA, Rubin JJ:** A study of cyclic nucleotide metabolism and the histology of rat liver during 3'-methyl-4-dimethylamino-azobenzene carcinogenesis. II. Cyclic AMP metabolism. Tissue Cell 10(3):477-94, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ *CHOLANGIOMA, chemically induced/ CHOLANGIOMA, metabolism/ *DIMETHYLAMINOAZOBENZENE/ DIMETHYLAMINOAZOBENZENE, analogs & derivatives/ FEMALE/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, metabolism/ *LIVER, metabolism/ *METHYLDIMETHYLAMINOAZOBENZENE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

434. **Boyd H, McAfee DA, Laumen G, et al:** A study of cyclic nucleotide metabolism and the histology of rat liver during 3'-methyl-4-dimethylamino-azobenzene carcinogenesis. III. Cyclic GMP metabolism. Tissue Cell 10(3):495-504, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CHOLANGIOMA, chemically induced/ CHOLANGIOMA, metabolism/ *DIMETHYLAMINOAZOBENZENE/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, metabolism/ *LIVER, metabolism/ RATS/ TRITONS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism

435. **Bracchi PG, Campanini G, Maraini G:** Calcium content and distribution in the normal human lens and in senile cataract. pp. 239-46.
In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.
AGED/ *CALCIUM, analysis/ CALCIUM, metabolism/ CATARACT, metabolism/ CATARACT, pathology/ HUMAN/ *LENS, CRYSTALLINE, analysis/ LENS, CRYSTALLINE, metabolism/ MIDDLE AGE/ MONOGRAPH

436. **Braithwaite GD:** The effect of dietary protein intake on calcium metabolism of the pregnant ewe. Br J Nutr 40(3):505-7, Nov 78
ANIMAL/ BONE RESORPTION/ *CALCIUM, metabolism/ CALCIUM, DIETARY, metabolism/ *DIETARY PROTEINS, metabolism/ FEMALE/ INTESTINAL ABSORPTION/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SHEEP, metabolism

437. **Brancaccio D, Galmozzi C, Casati S, et al:** Propranolol in uraemic osteodystrophy [letter] Lancet 2(8096):940, 28 Oct 78
ALKALINE PHOSPHATASE, antagonists & inhibitors/ HUMAN/ PARATHYROID HORMONE, antagonists & inhibitors/ *PROPRANOLOL, therapeutic use/ *RENAL OSTEODYSTROPHY, drug therapy/ *UREMIA, complications

438. **Brandes JM, Abramovici H, Katz M, et al:** The effect of postural changes on plasma renin activity during normal and pathologic pregnancies. Obstet Gynecol 52(5):530-2, Nov 78
ADULT/ COMPARATIVE STUDY/ FEMALE/ FETAL DEATH, blood/ HUMAN/ *POSTURE/ PRE-ECLAMPSIA, blood/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ *RENIN, blood

439. **Brandt M, Hofmann KD, Wagner F, et al:** Beeinflussung des fibrinstabilisierenden Faktors (Faktor XIII) durch hormonelle Kontrazeption. Zentralbl Gynaekol 100(17):1089-92, 1978 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, metabolism/ *CONTRACEPTIVES, ORAL, HORMONAL, metabolism/ ENGLISH ABSTRACT/ *FACTOR XIII, analysis/ FACTOR XIII, metabolism/ FEMALE/ FIBRINOLYSIS/ HUMAN

440. **Brandt MR, Korshin J, Hansen AP, et al:** Influence of morphine anaesthesia on the endocrine-metabolic response to open-heart surgery. Acta Anaesthesiol Scand 22(4):400-12, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADOLESCENCE/ ADULT/ AGED/ *ANESTHESIA, INTRAVENOUS/ *AORTIC VALVE, surgery/ BLOOD SUGAR, analysis/ *CARDIOPULMONARY BYPASS/ CORTICOTROPIN, blood/ *ENDOCRINE GLANDS, drug effects/ FEMALE/ *FLUROXENE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYBUTYRATES, blood/ INSULIN, blood/ MALE/ MIDDLE AGE/ *MORPHINE/ NITROGEN, blood/ SOMATOTROPIN, blood

441. **Brannon PM, Cheung AH, Bensadoun A:** Synthesis of lipoprotein lipase in cultured avian granulosa cells.

Biochim Biophys Acta 531(1):96–108, 25 Oct 78
ANTIGEN-ANTIBODY REACTIONS/ CELLS, CULTURED/ CHICKENS/ COLCHICINE, pharmacodynamics/ GRANULOSA CELLS, enzymology/ *GRANULOSA CELLS, metabolism/ LIPOPROTEIN LIPASE, antagonists & inhibitors/ *LIPOPROTEIN LIPASE, biosynthesis/ SODIUM CHLORIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

442. **Branton WD, Arch S, Smock T, et al:** Evidence for mediation of a neuronal interaction by a behaviorally active peptide. Proc Natl Acad Sci USA 75(11):5732–6, Nov 78
ANIMAL/ HORMONES, isolation & purification/ *HORMONES, physiology/ MOLECULAR WEIGHT/ MOLLUSCA/ *NEURONS, physiology/ PEPTIDES, isolation & purification/ *PEPTIDES, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

443. **Braren V, McNamara TC, Johnson HK, et al:** Urinary tract calculous disease after renal transplantation. Urology 12(4):402–6, Oct 78
ADULT/ CASE REPORT/ HUMAN/ HYPERCALCEMIA, etiology/ *KIDNEY, transplantation/ MALE/ *POSTOPERATIVE COMPLICATIONS/ TRANSPLANTATION, ALLOGENEIC/ *URINARY CALCULI, etiology/ URINARY CALCULI, physiopathology

444. **Bratusch-Marrain P, Schmid P, Waldhäusl W, et al:** Specific weight loss in hyperthyroidism. Horm Metab Res 10(5):412–5, Sep 78
ADULT/ *BODY WEIGHT/ CHOLESTEROL, blood/ *ENERGY METABOLISM/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, metabolism/ MIDDLE AGE/ THYROID HORMONES, blood

445. **Braunschweiger PG, Stragand JJ, Schiffer LM:** Effect of methylprednisolone on cell proliferation in C3H/HeJ spontaneous mammary tumors. Cancer Res 38(12):4510–4, Dec 78
ANIMAL/ CELL CYCLE, drug effects/ *CELL DIVISION, drug effects/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, pharmacodynamics/ KINETICS/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ METHOTREXATE, pharmacodynamics/ *METHYLPREDNISOLONE, pharmacodynamics/ MICE/ MICE, INBRED C3H/ UNITED STATES GOV'T SUPPORTED, P.H.S.

446. **Bray GA:** Definition, measurement, and classification of the syndromes of obesity. Int J Obes 2(2):99–112, 1978
ADIPOSE TISSUE, cytology/ ADOLESCENCE/ ADULT/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CYBERNETICS/ EATING/ ENDOCRINE DISEASES, diagnosis/ ENERGY METABOLISM/ EXERTION/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiopathology/ INSULIN, blood/ MALE/ OBESITY, classification/ *OBESITY, diagnosis/ OBESITY, etiology/ RISK/ SKINFOLD THICKNESS/ SOCIOECONOMIC FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

447. **Brazy JE, Crenshaw MC, Brumley GW:** Amniotic fluid cortisol in normal and diabetic pregnant women and its relation to respiratory disease in the neonate. Am J Obstet Gynecol 132(5):567–70, 1 Nov 78
*AMNIOTIC FLUID, metabolism/ FEMALE/ HUMAN/ *HYDROCORTISONE, metabolism/ INFANT, NEWBORN/ PHOSPHATIDYLCHOLINES, metabolism/ *PREGNANCY IN DIABETES, metabolism/ PREGNANCY/ *RESPIRATORY DISTRESS SYNDROME, diagnosis/ SPHINGOMYELINS, metabolism

448. **Brehm P, Eckert R:** Calcium entry leads to inactivation of calcium channel in Paramecium. Science 202(4373):1203–6, 15 Dec 78
ANIMAL/ BARIUM, pharmacodynamics/ *CALCIUM, metabolism/ ELECTRIC CONDUCTIVITY/ EGTA, pharmacodynamics/ ION CHANNELS, drug effects/ *ION CHANNELS, metabolism/ MEMBRANE POTENTIALS/ *PARAMECIUM, metabolism/ STRONTIUM, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

449. **Bremel RD, Gangwer MI:** Effect of adrenocorticotropin injection and stress on milk cortisol content. J Dairy Sci 61(8):1103–8, Aug 78
ANIMAL/ *CATTLE, physiology/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ *HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ *MILK, analysis/ *STRESS, veterinary/ TRANSPORTATION

450. **Bremner I, Campbell JK:** Effect of copper and zinc status on susceptibility to cadmium intoxication. Environ Health Perspect 25:125–8, Aug 78
ANIMAL/ *CADMIUM POISONING, physiopathology/ CERULOPLASMIN, blood/ *COPPER, metabolism/ DIET/ FEMALE/ KIDNEY, metabolism/ METALLOTHIONEIN, metabolism/ PREGNANCY/ SHEEP/ VITAMIN D, metabolism/ *ZINC, metabolism

451. **Brenton DP, Gonzales J, Pollard AB:** Hypocalcaemic cardiac failure. Postgrad Med J 54(635):633–6, Sep 78
ADULT/ CASE REPORT/ *HEART FAILURE, CONGESTIVE, etiology/ HUMAN/ *HYPOCALCEMIA, complications/ HYPOCALCEMIA, etiology/ HYPOPARATHYROIDISM, complications/ MALE

452. **Bressler RS, Lustbader IJ:** Effect of testosterone on development of the lumen in seminiferous tubules of the rat. Andrologia 10(4):291–8, Jul-Aug 78
AGING/ ANIMAL/ MALE/ RATS/ SEMINIFEROUS TUBULES, drug effects/ *SEMINIFEROUS TUBULES, growth & development/ SEMINIFEROUS TUBULES, ultrastructure/ *TESTIS, growth & development/ *TESTOSTERONE, pharmacodynamics

453. **Bricaire H, Hautecouverture M, Hugues JN:** Les comas au cours du myxoedème. Rev Prat 28(43):3333–4, 3337–8, 3341, 1 Oct 78 **(Fre)**
COMA, diagnosis/ *COMA, etiology/ COMA, therapy/ HUMAN/ *MYXEDEMA, complications/ MYXEDEMA, diagnosis

454. **Bricaire H:** Hypothyroidies. Introduction. Rev Prat 28(43):3245–7, 1 Oct 78 **(Fre)**
ADULT/ CHILD/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, therapy/ PITUITARY FUNCTION TESTS/ THYROID FUNCTION TESTS

455. **Bricker NS, Fine LG, Kaplan M, et al:** 'Magnification phenomenon' in chronic renal disease. N Engl J Med 299(23):1287–93, 7 Dec 78
ANIMAL/ DOGS/ EXTRACELLULAR SPACE, metabolism/ GLOMERULAR FILTRATION RATE/ HOMEOSTASIS/ HUMAN/ *KIDNEY FAILURE, CHRONIC, physiopathology/ NATRIURESIS/ *NEPHRONS, physiopathology/ PARATHYROID HORMONE, physiology/ PHOSPHATES, blood/ PHOSPHORUS, metabolism/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREMIA, metabolism/ WATER-ELECTROLYTE BALANCE

456. **Briggs M:** Metabolic sequelae of oral contraceptives. Mod Med Asia 14(10):7–10, Oct 78
BLOOD PROTEINS, metabolism/ CARBOHYDRATES, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ FEMALE/ HORMONES, blood/ HUMAN/ LIPIDS, blood/ *METABOLISM, drug effects/ VITAMINS, metabolism

457. **Brilliantova SA, Brykova EK, Zhantieva EM, et al:** Osobennosti nekotorykh obmennykh protsessov v platsente pri perenashivanii beremennosti. Vopr Okhr Materin Det 23(9):67–9, Sep 78 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY, PROLONGED

458. **Brindak OI, Malishevskaia VA, Berezhnoĭ VI, et al:** Morfologicheskoe obosnovanie nekotorykh prichin kriptorkhizma. Urol Nefrol (Mosk) (6):40–4, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
*CRYPTORCHISM, etiology/ CRYPTORCHISM, pathology/ ENGLISH ABSTRACT/ HUMAN/

INFANT/ INFANT, NEWBORN/ MALE/ TESTIS, embryology/ TESTIS, pathology

459. **Brisson-Lougarre A, Blum C, De Nayer Ph:** Action of insulin on thyroid protein synthesis in dogs. Horm Metab Res 10(5):396-400, Sep 78
ANIMAL/ CELL-FREE SYSTEM/ CYTOSOL, metabolism/ DOGS/ IN VITRO/ *INSULIN, pharmacodynamics/ MALE/ POLYRIBOSOMES, metabolism/ *PROTEINS, biosynthesis/ STIMULATION, CHEMICAL/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism

460. **Britton DR, Fertel R, Coy DH, et al:** Effect of enkephalin and endorphin analogs on receptors in the mouse vas deferens. Biochem Pharmacol 27(18):2275-7, 1978
ANIMAL/ DRUG STABILITY/ ELECTRIC STIMULATION/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ IN VITRO/ MALE/ MICE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ *RECEPTORS, NARCOTIC, drug effects/ VAS DEFERENS, drug effects

461. **Brod J:** Non-vasoactive renal hormones. Contrib Nephrol 13:1-2, 1978
ANGIOTENSIN II, physiology/ ANIMAL/ ERYTHROPOIETIN, physiology/ *HORMONES, physiology/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY, physiology/ KIDNEY, physiopathology/ PROSTAGLANDINS, physiology/ RENIN, physiology

462. **Brodie JY, Green B:** Progesterone binding in rat uterine cytosol during early pregnancy [proceedings] Biochem Soc Trans 6(4):773-5, 1978
ANIMAL/ CYTOSOL, metabolism/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, metabolism/ RATS/ *RECEPTORS, PROGESTERONE, metabolism/ TIME FACTORS/ *UTERUS, metabolism

463. **Bromley PA, Müller FO, Malan J, et al:** Plasma cortisol levels in normal volunteers receiving either betamethasone valerate or desoximetasone by topical application. S Afr Med J 54(6):239-41, 5 Aug 78
ADMINISTRATION, TOPICAL/ ADULT/ BETAMETHASONE 17-VALERATE, administration & dosage/ *BETAMETHASONE 17-VALERATE, pharmacodynamics/ *BETAMETHASONE, analogs & derivatives/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ DESOXIMETASONE, administration & dosage/ *DESOXIMETASONE, pharmacodynamics/ *DEXAMETHASONE, analogs & derivatives/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ SKIN, drug effects

464. **Bronson R, Hamada Y:** The effect of prostaglandins F2alpha and E2 on pregnancy in mice during implantation. Fertil Steril 30(3):354-61, Sep 78
ANIMAL/ CASTRATION/ DECIDUA, drug effects/ FEMALE/ INTRAUTERINE DEVICES/ MICE/ *NIDATION, drug effects/ OVARY, drug effects/ PREGNANCY/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ UTERUS, drug effects

465. **Brooks DE:** Activity and androgenic control of enzymes associated with the tricarboxylic acid cycle, lipid oxidation and mitochondrial shuttles in the epididymis and epididymal spermatozoa of the rat. Biochem J 174(3):741-52, 15 Sep 78
ANDROGENS, metabolism/ *ANDROGENS, physiology/ ANIMAL/ CASTRATION/ *EPIDIDYMIS, enzymology/ KREBS CYCLE/ LIPIDS, metabolism/ MALE/ MITOCHONDRIA, enzymology/ RATS/ *SPERMATOZOA, enzymology/ TESTOSTERONE, pharmacodynamics

466. **Brooks JR:** Indications for thyroid surgery. Compr Ther 4(9):51-7, Sep 78
ADENOCARCINOMA, surgery/ ADULT/ BIOPSY, NEEDLE/ CARCINOMA, surgery/ CARCINOMA, PAPILLARY, surgery/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ PROGNOSIS/ THYROID GLAND, pathology/ THYROID NEOPLASMS, diagnosis/ *THYROID NEOPLASMS, surgery/ *THYROIDECTOMY/ THYROIDITIS, diagnosis

467. **Brooks PM:** Drug treatment of rheumatoid arthritis. Aust NZ J Med 8 Suppl 1:101-5, 1978 (28 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ANALGESICS, therapeutic use/ ANTIMALARIALS, therapeutic use/ *ARTHRITIS, RHEUMATOID, drug therapy/ ASPIRIN, therapeutic use/ GOLD THIOGLUCOSE, therapeutic use/ GOLD THIOMALATE, therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ INDOMETHACIN, therapeutic use/ PENICILLAMINE, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ PROPIONATES, therapeutic use/ REVIEW

468. **Brosens I, Boeckx W, Gordts S:** Conservative surgery of ovarian endometriosis in infertility. Eur J Obstet Gynaecol Reprod Biol 8(5):277-9, Oct 78
ADULT/ ENDOMETRIOSIS, complications/ *ENDOMETRIOSIS, surgery/ FEMALE/ HUMAN/ *OVARY, surgery/ PREGNANCY/ STERILITY, FEMALE, etiology/ *STERILITY, FEMALE, surgery

469. **Bross ID:** Oral contraceptives and birth defects [letter] N Engl J Med 300(1):47, 4 Jan 79
*ABNORMALITIES, DRUG-INDUCED, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ HUMAN

470. **Broulík PD, Stěpán J, Pacovský V:** Increased sensitivity of bone to parathyroid hormone in castrated mice. Endocrinol Exp (Bratisl) 12(3):187-92, Sep 78
ALKALINE PHOSPHATASE, blood/ ANIMAL/ BODY WEIGHT, drug effects/ *BONE AND BONES, metabolism/ CALCIUM, metabolism/ CASTRATION/ MALE/ MICE/ ORGAN WEIGHT, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ PROTEINS, metabolism/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, physiology/ TESTOSTERONE, physiology

471. **Brown AE, Goubran GF:** Oral ulceration associated with hypothyroidism. Report of a case. Oral Surg 46(2):216-9, Aug 78
CASE REPORT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, diagnosis/ MIDDLE AGE/ THYROXINE, administration & dosage/ *TONGUE DISEASES, etiology/ ULCER

472. **Brown B, Dettmar PW, Dobson PR, et al:** Opiate analgesics: the effect of agonist-antagonist character on prolactin secretion. J Pharm Pharmacol 30(10):644-5, Oct 78
*ANALGESICS, ADDICTIVE, pharmacodynamics/ ANIMAL/ BUPRENORPHINE, pharmacodynamics/ CYCLAZOCINE, pharmacodynamics/ ENKEPHALINS, pharmacodynamics/ MALE/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ *NARCOTIC ANTAGONISTS, pharmacodynamics/ *PROLACTIN, blood/ RATS

473. **Brown DR, Donovan EF, Tsang RC, et al:** Urinary phosphate and cyclic AMP excretion following citrate-induced hypocalcemic stimulation of the neonatal parathyroid glands. J Pediatr 93(5):842-6, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ *CITRATES, pharmacodynamics/ EXCHANGE TRANSFUSION/ FEMALE/ HUMAN/ *HYPOCALCEMIA, physiopathology/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, physiopathology/ IONS/ MALE/ *PARATHYROID GLANDS, drug effects/ PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, physiology/ *PHOSPHATES, urine/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

474. **Brown E, Brown GM, Kofman O, et al:** Sexual function and affect in parkinsonian men treated with L-dopa. Am J Psychiatry 135(12):1552-5, Dec 78
*AFFECT, drug effects/ AGED/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LEVODOPA, adverse effects/ *LEVODOPA, therapeutic use/ LIBIDO, drug effects/ LH, blood/ MALE/ MIDDLE AGE/ PARKINSON DISEASE, blood/ *PARKINSON DISEASE, drug therapy/ PARKINSON DISEASE, physiopathology/ PARKINSON DISEASE, psychology/ *SEX BEHAVIOR, drug effects/ TESTIS, physiopathology

475. **Brown GM, Seggie J, Feldmann J:** Effect of psychosocial stimuli and limbic lesions on prolactin at rest and following

stress. Clin Endocrinol (Oxf) 6 Suppl:29S–41S, 1977
ANIMAL/ AVOIDANCE LEARNING, physiology/ CIRCADIAN RHYTHM/ CONDITIONING (PSYCHOLOGY), physiology/ *CORTICOSTERONE, secretion/ ELECTROSHOCK/ ESTRUS/ HANDLING (PSYCHOLOGY)/ HOUSING, ANIMAL/ *LIMBIC SYSTEM, physiology/ MALE/ MONKEYS/ *PROLACTIN, secretion/ RATS/ RHESUS MONKEYS/ *STRESS, physiopathology

476. **Brown MC, Spencer R:** Thyroid gland volume estimated by use of ultrasound in addition to scintigraphy. Acta Radiol [Ther] (Stockh) 17(4):337–41, 1978
COMPARATIVE STUDY/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ METHODS/ *THYROID GLAND/ THYROID GLAND, radionuclide imaging/ *ULTRASONICS, diagnostic use

477. **Brown PA, Sawrey JM, Vernikos J:** Aspirin- and indomethacin-induced ulcers and their antagonism by antihistamines. Eur J Pharmacol 51(3):275–83, 1 Oct 78
ANIMAL/ ASPIRIN, antagonists & inhibitors/ *ASPIRIN, pharmacodynamics/ COLD/ CORTICOSTERONE, blood/ *HISTAMINE ANTAGONISTS, pharmacodynamics/ HISTAMINE ANTAGONISTS, therapeutic use/ INDOMETHACIN, antagonists & inhibitors/ *INDOMETHACIN, pharmacodynamics/ MALE/ RATS/ RESTRAINT, PHYSICAL/ *STOMACH ULCER, chemically induced/ STOMACH ULCER, drug therapy/ STOMACH ULCER, pathology/ STRESS, physiopathology/ TIME FACTORS

478. **Brown WT, Lyons KP, Winer RL:** Changing manifestations of brown tumors on bone scan in renal osteodystrophy. J Nucl Med 19(10):1146–8, Oct 78
ADULT/ BONE AND BONES, pathology/ *BONE AND BONES, radionuclide imaging/ CASE REPORT/ FACIAL BONES, radionuclide imaging/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPERPARATHYROIDISM, SECONDARY, radionuclide imaging/ MALE/ MANDIBLE, radionuclide imaging/ PARATHYROID GLANDS, surgery/ PUBIC BONE, radionuclide imaging/ RENAL OSTEODYSTROPHY, pathology/ *RENAL OSTEODYSTROPHY, radionuclide imaging/ SKULL, radionuclide imaging

479. **Browne CL, Wiley HS, Dumont JN:** Oocyte-follicle cell gap junctions in Xenopus laevis and the effects of gonadotropin on their permeability. Science 203(4376):182–3, 12 Jan 79
ANIMAL/ CELL COMMUNICATION, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ GONADOTROPINS, CHORIONIC, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, metabolism/ *GRAAFIAN FOLLICLE, ultrastructure/ INTERCELLULAR JUNCTIONS, drug effects/ *INTERCELLULAR JUNCTIONS, ultrastructure/ OOCYTES, metabolism/ *OOCYTES, ultrastructure/ *OVUM, ultrastructure/ XENOPUS

480. **Brownie AC, Gallant S, Nickerson PA, et al:** The occurrence of 11-deoxycorticosterone (DOC)-induced hypertension in the Long-Evans rat. Endocr Res Commun 5(1):71–80, 1978
ANIMAL/ BLOOD PRESSURE/ *DESOXYCORTICOSTERONE/ DISEASE MODELS, ANIMAL/ FEMALE/ *HYPERTENSION, chemically induced/ ORGAN WEIGHT/ RATS

481. **Browning M, Dunwiddie T, Bennett W, et al:** Synaptic phosphoproteins: specific changes after repetitive stimulation of the hippocampal slice. Science 203(4375):60–2, 5 Jan 79
ANIMAL/ CALCIUM, metabolism/ ELECTRIC STIMULATION/ *HIPPOCAMPUS, metabolism/ IN VITRO/ *MEMBRANE PROTEINS, metabolism/ MOLECULAR WEIGHT/ *NEURAL TRANSMISSION/ *PHOSPHOPROTEINS, metabolism/ PHOSPHORYLATION/ RATS/ *SYNAPTIC MEMBRANES, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

482. **Brownlie SA, Campbell JG, Head KW, et al:** Prednisolone treatment of hereditary pig lymphoma. Eur J Cancer 14(9):983–94, Sep 78
ANIMAL/ BLOOD CELL COUNT/ INJECTIONS, INTRAMUSCULAR/ LYMPH NODES, pathology/ LYMPHOMA, drug therapy/ LYMPHOMA, familial & genetic/ LYMPHOMA, pathology/ *LYMPHOMA, veterinary/ MAGNESIUM, blood/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, therapeutic use/ SPLEEN, pathology/ *SWINE DISEASES, drug therapy/ SWINE DISEASES, familial & genetic/ SWINE DISEASES, pathology/ SWINE

483. **Bruchacki J:** Nadczynnośc tarczycy z wybiórczym podwyższeniem poziomu trójjodotyroniny w surowicy (T3-toxicosis). Wiad Lek 31(20):1483–6, 15 Oct 78 (Eng. Abstr.) **(Pol)**
AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

484. **Bruder G, Fink A, Jarasch ED:** The B-type cytochrome in endoplasmic reticulum of mammary gland epithelium and milk fat globule membranes consists of two components cytochrome b5 and cytochrome P-420. Exp Cell Res 117(1):207–17, Nov 78
ANIMAL/ BREAST, analysis/ *BREAST, ultrastructure/ CATTLE/ COMPARATIVE STUDY/ CYTOCHROME P-450, analysis/ *CYTOCHROMES, analysis/ *ENDOPLASMIC RETICULUM, analysis/ HUMAN/ LACTATION/ MAMMAE, analysis/ *MAMMAE, ultrastructure/ MEMBRANES, analysis/ *MILK, analysis/ *MILK, HUMAN, analysis/ RATS

485. **Brueggemeier RW, Floyd EE, Counsell RE:** Synthesis and biochemical evaluation of inhibitors of estrogen biosynthesis. J Med Chem 21(10):1007–11, Oct 78
*ANDROSTENEDIONE, analogs & derivatives/ ANDROSTENEDIONE, chemical synthesis/ ANDROSTENEDIONE, pharmacodynamics/ *AROMATASE, antagonists & inhibitors/ ESTRADIOL, biosynthesis/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ HUMAN/ IN VITRO/ KINETICS/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ *OXIDOREDUCTASES, antagonists & inhibitors/ PLACENTA, drug effects/ PLACENTA, enzymology/ STRUCTURE-ACTIVITY RELATIONSHIP

486. **Brundin J:** Laktationsfysiologi och amningsnedläggning. Katilolehti 83(10):362–8 contd, Oct 78 **(Swe)**
*BREAST, physiology/ FEMALE/ HUMAN/ *LACTATION/ MILK, HUMAN/ OXYTOCIN, physiology/ PREGNANCY/ PROLACTIN, metabolism/ STEROIDS, physiology/ *WEANING

487. **Bruneton JN, Drouillard J, Rabin A, et al:** Les angiomyolipomes (hamartomes) du rein. Etude radiologique à propos de 2 observations. Revue de la littérature. J Can Assoc Radiol 29(4):252–61, Dec 78 (Eng. Abstr.) **(Fre)**
ADRENAL GLAND NEOPLASMS, pathology/ ANGIOGRAPHY/ CASE REPORT/ ENGLISH ABSTRACT/ *HAMARTOMA, radiography/ *HEMANGIOMA, radiography/ HUMAN/ *KIDNEY NEOPLASMS, radiography/ *LIPOMA, radiography/ LIVER NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ TUBEROUS SCLEROSIS, complications

488. **Brunette MG, Chan M, Ferriere C, et al:** Site of 1,25(OH)2 vitamin D3 synthesis in the kidney. Nature 276(5685):287–9, 16 Nov 78
ANIMAL/ CALCIUM, blood/ CHICKENS/ *DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ *HYDROXYCHOLECALCIFEROLS, biosynthesis/ *KIDNEY TUBULES, PROXIMAL, metabolism/ MALE/ NEPHRONS, metabolism/ PHOSPHATES, blood/ PHOSPHATES, metabolism/ RICKETS, blood/ RICKETS, metabolism

489. **Bruni JF, Meites J:** Effects of cholinergic drugs on growth hormone release. Life Sci 23(13):1351–7, 2 Oct 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ ATROPINE, pharmacodynamics/ MALE/ *PARASYMPATHOMIMETICS, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, secretion/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, DOPAMINE, drug effects/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

490. **Bruntsch U:** Hyperkalzämie-Therapie bei malignen Tumoren. MMW 121(1):16-8, 5 Jan 79 **(Ger)**
BREAST NEOPLASMS, surgery/ CALCITONIN, therapeutic use/ FEMALE/ FLUID THERAPY/ HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERCALCEMIA, therapy/ MALE/ MITHRAMYCIN, therapeutic use/ *NEOPLASMS, complications/ PHOSPHATES, therapeutic use/ PREDNISONE, therapeutic use

491. **Bryan EM:** IgG deficiency in association with placental oedema. Early Hum Dev 1(2):133-43, Oct 77
CASE REPORT/ *DYSGAMMAGLOBULINEMIA, congenital/ DYSGAMMAGLOBULINEMIA, etiology/ *EDEMA, complications/ ERYTHROBLASTOSIS, FETAL, complications/ FEMALE/ FETOFETAL TRANSFUSION, complications/ HUMAN/ *IGG/ IGG, analysis/ INFANT, NEWBORN/ LIVER DISEASES, congenital/ LIVER DISEASES, complications/ MALE/ *PLACENTA DISORDERS, complications/ PREGNANCY

492. **Bryant RW, Feinmark SJ, Makheja AN, et al:** Lipid metabolism in cultured cells. Synthesis of vasoactive thromboxane A2 from [14C]arachidonic acid culture lung fibroblasts. J Biol Chem 253(22):8134-42, 25 Nov 78
*ARACHIDONIC ACIDS, metabolism/ BLOOD PLATELETS/ CELL LINE/ CHROMATOGRAPHY, GAS/ FIBROBLASTS, metabolism/ HUMAN/ LUNG/ PROSTAGLANDINS, metabolism/ SKIN/ SPECTRUM ANALYSIS, MASS/ *THROMBOXANE A2, biosynthesis/ *THROMBOXANES, biosynthesis/ THROMBOXANES, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

493. **Bubenik GA, Purtill RA, Brown GM, et al:** Melatonin in the retina and the Harderian gland. Ontogeny, diurnal variations and melatonin treatment. Exp Eye Res 27(3):323-33, Sep 78
AGING/ ANIMAL/ DARKNESS/ DIURNAL RHYTHM/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *HARDERIAN GLAND, metabolism/ *LACRIMAL APPARATUS, metabolism/ MALE/ *MELATONIN, metabolism/ ONTOGENY/ RATS/ *RETINA, metabolism

494. **Buchi K, Villee CA:** A micromethod for measuring the activation of estradiol receptors of the rat uterus. J Steroid Biochem 6(11-12):1467-9, Nov-Dec 75
ANIMAL/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ KINETICS/ METHODS/ MICROCHEMISTRY/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, metabolism

495. **Buckingham JC, Döhler KD, Wilson CA:** Activity of the pituitary-adrenocortical system and thyroid gland during the oestrous cycle of the rat. J Endocrinol 78(3):359-66, Sep 78
ANIMAL/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ *ESTRUS/ FEMALE/ LH, blood/ *PITUITARY-ADRENAL SYSTEM, physiology/ PROGESTERONE, blood/ RATS/ *THYROID GLAND, physiology/ THYROXINE, blood

496. **Buckland RM, Radda GK, Shennan CD:** Accessibility of phospholipids in the chromaffin granule membrane. Biochim Biophys Acta 513(3):321-37, 16 Nov 78
ANIMAL/ BACILLUS CEREUS, enzymology/ BEE VENOMS, pharmacodynamics/ CATTLE/ CHROMAFFIN GRANULES, drug effects/ *CHROMAFFIN GRANULES, metabolism/ *CHROMAFFIN SYSTEM, metabolism/ HYDROLYSIS/ INTRACELLULAR MEMBRANES, drug effects/ INTRACELLULAR MEMBRANES, metabolism/ *PHOSPHOLIPASE, metabolism/ *PHOSPHOLIPIDS, metabolism/ SPHINGOMYELIN PHOSPHODIESTERASE, metabolism/ STAPHYLOCOCCUS AUREUS, enzymology/ TRINITROBENZENESULFONIC ACID, pharmacodynamics

497. **Buckman MT, Peake GT:** Dynamic evaluation of prolactin secretion with perphenazine in normal and hyperprolactinemic subjects. Horm Metab Res 10(5):400-8, Sep 78
ADOLESCENCE/ ADULT/ FASTING/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ MIDDLE AGE/ *PERPHENAZINE, diagnostic use/ PERPHENAZINE, pharmacodynamics/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

498. **Bucourt R, Vignau M, Torelli V:** New biospecific adsorbents for the purification of estradiol receptor. J Biol Chem 253(22):2881-8, 25 Nov 78
ANIMAL/ CATTLE/ CHROMATOGRAPHY, AFFINITY, methods/ CYTOSOL, metabolism/ ESTRADIOL, analogs & derivatives/ FEMALE/ KINETICS/ *RECEPTORS, ESTROGEN, isolation & purification/ RECEPTORS, ESTROGEN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ *UTERUS, metabolism

499. **Buda JA, Baer L, Arora SP, et al:** Evaluation of surgical response in renovascular hypertension using angiotensin II blockade. Surgery 84(5):664-70, Nov 78
*ANGIOTENSIN II, analogs & derivatives/ HUMAN/ *HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENOVASCULAR, diagnosis/ HYPERTENSION, RENOVASCULAR, radiography/ *HYPERTENSION, RENOVASCULAR, surgery/ RECURRENCE/ RENIN, blood/ *SARALASIN, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

500. **Buergelt CD, Duncan JR:** Age and milk production data of cattle culled from a dairy herd with paratuberculosis. J Am Vet Med Assoc 173(5 Pt 1):478-80, 1 Sep 78
AGE FACTORS/ ANIMAL/ *CATTLE DISEASES, physiopathology/ CATTLE/ COMPARATIVE STUDY/ ECONOMICS/ FEMALE/ *LACTATION/ *PARATUBERCULOSIS, physiopathology/ PREGNANCY

501. **Buffam FV, Rootman J:** Lid retraction--its diagnosis and treatment. Int Ophthalmol Clin 18(3):75-86, Fall 78 (30 ref.)
EYELID DISEASES, diagnosis/ EYELID DISEASES, etiology/ *EYELID DISEASES, surgery/ HUMAN/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, therapy/ RECURRENCE/ REVIEW/ *SURGERY, PLASTIC, methods

502. **Buge A, Rancurel G:** Les manifestations neuro-musculaires de l'insuffisance thyroïdienne. Rev Prat 28(43):3323-4, 3327-30, 1 Oct 78 (Eng. Abstr.) **(Fre)**
ADULT/ CARPAL TUNNEL SYNDROME, etiology/ CHILD/ ELECTROMYOGRAPHY/ ENGLISH ABSTRACT/ EXTREMITIES, innervation/ HUMAN/ HYPERTROPHY/ *HYPOTHYROIDISM, complications/ MUSCLES, pathology/ *MUSCULAR DISEASES, etiology/ *PERIPHERAL NERVE DISEASES, etiology/ SYNDROME

503. **Bugrilova RS, Koniukhov BV:** Reguliator ékspressii gena brachypodism-H u myshi. Genetika 14(10):1809-17, Oct 78 (Eng. Abstr.) **(Rus)**
*ACHONDROPLASIA, familial & genetic/ ANIMAL/ CARTILAGE, cytology/ *CARTILAGE, embryology/ CELL DIFFERENTIATION, drug effects/ EMBRYONIC INDUCTION/ ENGLISH ABSTRACT/ EXTREMITIES, analysis/ *EXTREMITIES, embryology/ *GENES, drug effects/ *GROWTH SUBSTANCES, analysis/ MICE/ TIBIA, embryology

504. **Buhl AE, Jensen JN, Phoenix CH:** Influence of progesterone on sexual behavior in castrated male Rhesus monkeys treated with testosterone. Horm Behav 10(3):258-63, Jun 78
ANIMAL/ CASTRATION/ *MACACA, physiology/ MALE/ MONKEYS/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics/ *RHESUS MONKEYS, physiology/ *SEX BEHAVIOR, ANIMAL, drug effects/ TESTOSTERONE, blood/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

505. **Buirchell BJ, Hähnel R:** Metabolism of estradiol-17beta in human endometrium during the menstrual cycle. J Steroid Biochem 6(11-12):1489-94, Nov-Dec 75
*ENDOMETRIUM, metabolism/ *ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/

HUMAN/ KINETICS/ *MENSTRUATION/ MENSTRUATION, FOLLICULAR PHASE

506. **Bukovsky A, Presl J:** Role of the immune system in regulation of ovarian function–hypothesis. Czech Med 1(4):229–37, 1978
ANIMAL/ ANOVULATION, immunology/ ANTIGENS/ FEMALE/ GRAAFIAN FOLLICLE, immunology/ HUMAN/ *IMMUNITY/ KILLER CELLS, immunology/ MICE/ MICE, NUDE/ OVARY, immunology/ *OVARY, physiology/ OVULATION/ RATS/ THYMECTOMY

507. **Buletsa BA, Pashchenko AE, Fabri ZI, et al:** Znachenie disfunktsii shchitovidnoĭ zhelezy v patogeneze i techenii rasstroĭstv mozgovogo krovoobrashcheniia. Zh Nevropatol Psikhiatr 78(11):1614–6, 1978 (Eng. Abstr.) **(Rus)**
CEREBRAL HEMORRHAGE, physiopathology/ CEREBRAL INFARCTION, physiopathology/ CEREBRAL ISCHEMIA, TRANSIENT, physiopathology/ *CEREBROVASCULAR DISORDERS, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, physiopathology/ *IODINE RADIOISOTOPES, diagnostic use/ IODINE, blood/ PROTEIN-BOUND IODINE TEST/ SYNDROME/ *THYROID GLAND, physiopathology

508. **Bulfield G, Nahum A:** Effect of the mouse mutants testicular feminization and sex reversal on hormone-mediated induction and repression of enzymes. Biochem Genet 16(7–8):743–50, Aug 78
ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL/ *ENZYME INDUCTION, drug effects/ *ENZYME REPRESSION, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GENOTYPE/ GLUCURONIDASE, metabolism/ HEXOKINASE, metabolism/ HISTIDASE, metabolism/ KIDNEY, enzymology/ LIVER, enzymology/ MALE/ MICE/ ORNITHINE AMINOTRANSFERASE, metabolism/ PHENOTYPE/ *SEX REVERSAL, GONADAL/ *STANOLONE, pharmacodynamics/ *TESTICULAR FEMINIZATION, enzymology/ UROCANASE, metabolism

509. **Bulger WH, Muccitelli RM, Kupfer D:** Interactions of chlorinated hydrocarbon pesticides with the 8S estrogen-binding protein in rat testes. Steroids 32(2):165–77, Sep 78
ANIMAL/ *CARRIER PROTEINS, metabolism/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ DDT, analogs & derivatives/ DDT, pharmacodynamics/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ IN VITRO/ *INSECTICIDES, ORGANOCHLORINE, pharmacodynamics/ MALE/ RATS/ RECEPTORS, ESTROGEN, drug effects/ RECEPTORS, ESTROGEN, metabolism/ TESTIS, drug effects/ *TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

510. **Bullock DW:** Progesterone induction of messenger RNA and protein synthesis in rabbit uterus. Ann NY Acad Sci 286:260–72, 11 Mar 77
ANIMAL/ ESTRADIOL, administration & dosage/ FEMALE/ *GLYCOPROTEINS, biosynthesis/ IN VITRO/ LUNG, metabolism/ OVARY, physiology/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ RABBITS/ *RNA, MESSENGER, biosynthesis/ RNA, MESSENGER, metabolism/ TISSUE DISTRIBUTION/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTEROGLOBIN, biosynthesis/ *UTERUS, drug effects/ UTERUS, metabolism

511. **Bullock LP, Bardin CW:** Androgenic, synandrogenic, and antiandrogenic actions of progestins. Ann NY Acad Sci 286:321–30, 11 Mar 77
*ANDROGEN ANTAGONISTS/ *ANDROGENS, SYNTHETIC/ ANDROGENS, SYNTHETIC, pharmacodynamics/ ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ DRUG RESISTANCE/ DRUG SYNERGISM/ FEMALE/ IN VITRO/ KIDNEY, drug effects/ KIDNEY, metabolism/ MALE/ MEDROXYPROGESTERONE, analogs & derivatives/ MEDROXYPROGESTERONE, metabolism/ MICE/ ORGAN SPECIFICITY/ ORGAN WEIGHT, drug effects/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ PROSTATE, metabolism/ RATS/ RECEPTORS, ANDROGEN, drug effects/ SEMINAL VESICLES, metabolism/ SUBMANDIBULAR GLAND, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

512. **Bulman DC, Lamming GE:** Milk progesterone levels in relation to conception, repeat breeding and factors influencing acyclicity in dairy cows. J Reprod Fertil 54(2):447–58, Nov 78
AGE FACTORS/ ANESTRUS/ ANIMAL/ *BREEDING/ *CATTLE, metabolism/ CATTLE, physiology/ FEMALE/ FERTILITY/ *FERTILIZATION/ LACTATION/ *MILK, analysis/ PREGNANCY/ *PROGESTERONE, analysis/ SEASONS

513. **Bulygin IA:** Perifericheskie refleksy zheludochno-kishechnogo trakta. Fiziol Zh SSSR 64(9):1245–60, Sep 78 **(Rus)**
ADRENERGIC FIBERS, physiology/ *AUTONOMIC NERVOUS SYSTEM, physiology/ CATECHOLAMINES, physiology/ CHOLINERGIC FIBERS, physiology/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ GANGLIA, AUTONOMIC, physiology/ GASTROINTESTINAL SYSTEM, innervation/ *GASTROINTESTINAL SYSTEM, physiology/ MEMBRANE POTENTIALS/ NEURAL TRANSMISSION/ PHYSICAL STIMULATION/ *REFLEX, physiology/ SEROTONIN, physiology

514. **Bundi A, Andreatta RH, Wüthrich K:** Characterisation of a local structure in the synthetic parathyroid hormone fragment 1--34 by 1H nuclear-magnetic-resonance techniques. Eur J Biochem 91(1):201–8, 2 Nov 78
AMINO ACID SEQUENCE/ MOLECULAR CONFORMATION/ MOLECULAR MODELS/ NUCLEAR MAGNETIC RESONANCE/ *PARATHYROID HORMONE/ PARATHYROID HORMONE, chemical synthesis/ PEPTIDE FRAGMENTS/ PROTEIN CONFORMATION/ TEMPERATURE

515. **Burch WM Jr:** A method of aspirating thyroid cysts. Surg Gynecol Obstet 148(1):95–6, Jan 79
*CYSTS, surgery/ HUMAN/ SUCTION, instrumentation/ SUCTION, methods/ *THYROID DISEASES, surgery

516. **Burdea M, Rusu I, Cîrdei E:** Intîrziere în creştere cu hormon somatotrop circulant in exces (tip Laron). Rev Pediatr Obstet Ginecol [Pediatr] 27(3):249–52, Jul-Sep 78 **(Rum)**
CASE REPORT/ CHILD/ *GROWTH DISORDERS, blood/ HUMAN/ MALE/ *SOMATOTROPIN, blood

517. **Burgener FA, Fischer HW:** Nephrotoxicity of sodium iopanoate in hydrated and dehydrated dogs. Invest Radiol 13(3):247–54, May-Jun 78
ANGIOGRAPHY/ ANIMAL/ BLOOD PRESSURE/ CHOLECYSTOGRAPHY, adverse effects/ CREATININE, blood/ DEHYDRATION, metabolism/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IODINE, metabolism/ *IOPANOIC ACID, adverse effects/ *KIDNEY FAILURE, ACUTE, chemically induced/ KIDNEY, blood supply/ KIDNEY, pathology/ MALE/ REGIONAL BLOOD FLOW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URIC ACID, urine

518. **Burgess WH, Howlett AC, Kretsinger RH, et al:** S49 lymphoma wild type and variant clones contain normal calcium dependent regulator. J Cyclic Nucleotide Res 4(3):175–81, Jun 78
ADENYL CYCLASE, metabolism/ CALCIUM, pharmacodynamics/ *CALCIUM-DEPENDENT REGULATOR, metabolism/ *CARRIER PROTEINS, metabolism/ CELL LINE/ CLONE CELLS, metabolism/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ *LYMPHOMA, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

519. **Burkatskaia EN, Ania IA, Viter VF:** Postoiannoe i preryvistoe ingaliatsionnoe vozdeistvie sevina na nekotorye reguliatornye sistemy organizma zhivotnykh. Gig Tr Prof Zabol (11):19–22, Oct 78 (Eng. Abstr.) **(Rus)**

*ADRENAL GLANDS, drug effects/ ANIMAL/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ MALE/ RATS/ *SEVIN, pharmacodynamics/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS

520. **Burnbaum MD, Harbison JW, Selhorst JB, et al:** Blue-domed cyst with optic nerve compression.
J Neurol Neurosurg Psychiatry 41(11):987-91, Nov 78
ADULT/ CASE REPORT/ *CRANIAL NERVE NEOPLASMS, diagnosis/ CRANIAL NERVE NEOPLASMS, surgery/ *CRANIOPHARYNGIOMA, diagnosis/ CRANIOPHARYNGIOMA, surgery/ HEMATOMA, surgery/ HUMAN/ MALE/ *NERVE COMPRESSION SYNDROMES, diagnosis/ NERVE COMPRESSION SYNDROMES, surgery/ OPTIC CHIASM, surgery/ *OPTIC NERVE DISEASES, diagnosis/ OPTIC NERVE DISEASES, surgery/ TOMOGRAPHY, COMPUTERIZED AXIAL/ VISUAL FIELDS

521. **Burns TW, Langley PE, Terry BE, et al:** The role of free fatty acids in the regulation of lipolysis by human adipose tissue cells. Metabolism 27(12):1755-62, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ *FATTY ACIDS, NONESTERIFIED, pharmacodynamics/ HUMAN/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ LINOLEIC ACIDS, pharmacodynamics/ *LIPID MOBILIZATION, drug effects/ OLEIC ACIDS, pharmacodynamics/ PALMITIC ACIDS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

522. **Burroughs SF, Cidlowski JA:** Glucocorticoid and mitogen sensitivity of rat splenic and thymic lymphocytes in vitro after in vivo cyclophosphamide treatment. Cancer Res 38(12):4562-8, Dec 78
ANIMAL/ *CONCANAVALIN A, pharmacodynamics/ *CYCLOPHOSPHAMIDE, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ IN VITRO/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ MALE/ PROTEINS, biosynthesis/ RATS/ RECEPTORS, GLUCOCORTICOID, drug effects/ SPLEEN, drug effects/ T-LYMPHOCYTES, drug effects/ THYMUS GLAND, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

523. **Burstein S, Grumbach MM, Kaplan SL, et al:** Immunoreactivity and receptor binding of mixed recombinants of human growth hormone and chorionic somatomammotropin. Proc Natl Acad Sci USA 75(11):5391-4, Nov 78
ANTIGENIC DETERMINANTS/ FIBRINOLYSIN/ *GONADOTROPINS/ HUMAN/ KINETICS/ PEPTIDE FRAGMENTS/ *PLACENTAL LACTOGEN/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

524. **Burton JL, Harman RR, Peachey RD, et al:** Azathioprine plus prednisone in treatment of pemphigoid. Br Med J 2(6146):1190-1, 28 Oct 78
AGED/ AZATHIOPRINE, adverse effects/ *AZATHIOPRINE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ *PEMPHIGUS, drug therapy/ *PREDNISONE, therapeutic use

525. **Burton RM, Hope NJ, Beyerle MP, et al:** Gewebsantigene beim Ovarialkarzinom. Onkologie 1(2):75-8, Apr 78 (Eng. Abstr.) **(Ger)**
*ANTIGENS, analysis/ ANTIGENS, NEOPLASM, analysis/ ENGLISH ABSTRACT/ FEMALE/ HEAT/ HUMAN/ LEUKOCYTES, immunology/ *OVARIAN NEOPLASMS, immunology/ SPLEEN, immunology

526. **Burzio LO, Koide SS:** Stimulation of poly(adenosine diphosphate ribose) synthase activity of Xenopus germinal vesicle by progesterone. Ann NY Acad Sci 286:398-407, 11 Mar 77
ANIMAL/ CELL NUCLEUS, drug effects/ CHROMOSOMES, drug effects/ ENZYME ACTIVATION, drug effects/ FEMALE/ IN VITRO/ *NAD NUCLEOSIDASE, metabolism/ *OOCYTES, drug effects/ OOCYTES, enzymology/ *OOGENESIS, drug effects/ *OVUM, drug effects/ *POLY ADP RIBOSE POLYMERASE, metabolism/ *PROGESTERONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

527. **Bushell AC, Hobson D:** Effect of cortisol on the growth of Chlamydia trachomatis in McCoy cells. Infect Immun 21(3):946-53, Sep 78
CELL DIVISION, drug effects/ CELLS, CULTURED/ *CHLAMYDIA TRACHOMATIS, growth & development/ *CHLAMYDIA INFECTIONS, microbiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYDROCORTISONE, pharmacodynamics

528. **Busselen P, van Kerkhove E:** The effect of sodium, calcium and metabolic inhibitors on calcium efflux from goldfish heart ventricles. J Physiol (Lond) 282:263-83, Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CYANIDES, pharmacodynamics/ *CYPRINIDAE, metabolism/ EXTRACELLULAR SPACE, metabolism/ *GOLDFISH, metabolism/ HEART VENTRICLE, metabolism/ IN VITRO/ LITHIUM, pharmacodynamics/ *MYOCARDIUM, metabolism/ POTASSIUM, pharmacodynamics/ *SODIUM, pharmacodynamics

529. **Bussolati G:** A fixation-decalcification procedure for bone biopsies. Histopathology 2(5):329-34, Sep 78
BIOPSY/ *BONE AND BONES, pathology/ *BONE DISEASES, pathology/ *DECALCIFICATION TECHNIC/ FIXATIVES/ HISTOLOGICAL TECHNICS

530. **Bustamante J, Moser F, Leski M:** Mineralometría y vitamina D en hemodializados. Rev Clin Esp 150(3-4):129-32, Aug 78 (Eng. Abstr.) **(Spa)**
ADULT/ AGED/ ALKALINE PHOSPHATASE, analysis/ *BONE AND BONES, analysis/ CALCIUM, analysis/ ENGLISH ABSTRACT/ FEMALE/ *HEMODIALYSIS/ HUMAN/ HYDROXYAPATITES, analysis/ *KIDNEY FAILURE, ACUTE, metabolism/ KIDNEY FAILURE, ACUTE, therapy/ MALE/ MIDDLE AGE/ *MINERALS, analysis/ PHOSPHORUS, analysis/ VITAMIN D, analysis

531. **Busuttil RW, Graeff RM, George WJ:** Possible role of cyclic nucleotides in the mechanism of the protective effect of methylprednisolone on the hypoxic rat heart.
J Cyclic Nucleotide Res 4(3):209-18, Jun 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *ANOXIA, physiopathology/ CORONARY DISEASE, physiopathology/ DISEASE MODELS, ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ MALE/ *METHYLPREDNISOLONE, pharmacodynamics/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ RATS

532. **Butler M:** The problem of acute myocardial insufficiency.
Br J Hosp Med 20(3):228-31, Sep 78
ADULT/ ARRHYTHMIA, physiopathology/ CALCIUM, metabolism/ CORONARY CIRCULATION/ CORONARY DISEASE, etiology/ *CORONARY DISEASE, mortality/ CORONARY DISEASE, physiopathology/ ELECTROCARDIOGRAPHY/ ENGLAND/ FUTUROLOGY/ HUMAN/ MALE/ MIDDLE AGE/ MYOCARDIAL CONTRACTION/ MYOCARDIAL INFARCTION, physiopathology/ MYOCARDIUM, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism

533. **Buvat J, Fossati P, Asfour M, et al:** La fonction prolactinique dans l'impuissance érectile idiopathique.
Probl Actuels Endocrinol Nutr (21):165-83, 1977 **(Fre)**
ADENOMA, complications/ ADULT/ HUMAN/ *IMPOTENCE, etiology/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ *PROLACTIN, blood/ SELLA TURCICA

534. **Byers B:** Blindness secondary to steroid injections into the nasal turbinates. Arch Ophthalmol 97(1):79-80, Jan 79
ADULT/ *BLINDNESS, chemically induced/ CASE REPORT/ CHOROID, blood supply/ EMBOLISM, chemically induced/ FEMALE/ HUMAN/

INJECTIONS, INTRA-ARTERIAL/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, adverse effects/ NASAL CAVITY/ RETINAL VESSELS

535. **Bygrave FL, Tranter CJ:** The subcellular location, maturation and response to increased plasma glucagon of ruthenium red-insensitive calcium-ion transport in rat liver. Biochem J 174(3):1021-30, 15 Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ FETUS, metabolism/ *GLUCAGON, pharmacodynamics/ GLUCOSEPHOSPHATASE, metabolism/ IN VITRO/ LIVER, drug effects/ LIVER, growth & development/ *LIVER, metabolism/ PUROMYCIN, pharmacodynamics/ RATS/ *RUTHENIUM RED, pharmacodynamics/ *RUTHENIUM, pharmacodynamics/ SUBCELLULAR FRACTIONS, drug effects/ SUBCELLULAR FRACTIONS, metabolism

536. **Bygrave FL, Heaney TP, Ramachandran C:** Submitochondrial location of ruthenium red-sensitive calcium-ion transport and evidence for its enrichment in a specific population of rat liver mitochondria. Biochem J 174(3):1011-9, 15 Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ ELECTROCHEMISTRY/ FEMALE/ IN VITRO/ KINETICS/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ *MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION/ PHOSPHATES, metabolism/ RATS/ *RUTHENIUM RED, pharmacodynamics/ *RUTHENIUM, pharmacodynamics/ SUBMITOCHONDRIAL PARTICLES, drug effects/ SUBMITOCHONDRIAL PARTICLES, metabolism

537. **Bygrave FL, Smith RL:** Inability of tributyltin-induced chloride/hydroxyl exchange to stimulate calcium transport in mitochondria isolated from flight muscle of the sheep blowfly Lucilia cuprina. Biochem J 174(3):1075-7, 15 Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CHLORIDES, metabolism/ *FLIES, metabolism/ FLIGHT, ANIMAL/ HYDROXIDES, metabolism/ IN VITRO/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ *TRIALKYLTIN COMPOUNDS, pharmacodynamics

538. **Bykova GV, Vasilyeva IA, Gileva EA:** Chromosomal and morphological diversity in 2 populations of Asian mountain vole, Alticola lemminus Miller (Rodentia, Cricetidae). Experientia 34(9):1146-8, 15 Sep 78
ANIMAL/ CHROMOSOMES, ultrastructure/ FEMALE/ KARYOTYPING/ MALE/ *RODENTS, genetics/ SEX CHROMOSOMES, ultrastructure/ SPECIES SPECIFICITY/ VOLES, classification/ *VOLES, genetics

C

539. **Cabanillas F, Rodriguez V, Freireich EJ:** Improvement in complete response rate, duration of response and survival with adriamycin combination chemotherapy for non-Hodgkin lymphoma: a prognostic factor comparison of two regimens. Med Pediatr Oncol 4(4):321-31, 1978
*ANTINEOPLASTIC AGENTS, administration & dosage/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ *DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *LYMPHOMA, drug therapy/ LYMPHOSARCOMA, drug therapy/ MALE/ PREDNISONE, administration & dosage/ REMISSION/ SARCOMA, RETICULUM CELL, drug therapy/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, administration & dosage

540. **Cabezas-Cerrato J, Casanueva F, Villanueva L, et al:** Influence of fenfluramine on insulin and growth hormone secretion. Arch Farmacol Toxicol 4(2):227-36, Aug 78
ADULT/ BLOOD SUGAR, analysis/ COMPARATIVE STUDY/ FATTY ACIDS, NONESTERIFIED/ FEMALE/ *FENFLURAMINE, pharmacodynamics/ GLUCOSE TOLERANCE TEST/ HUMAN/ INJECTIONS, INTRAVENOUS/ INSULIN, secretion/ OBESITY, blood/ PANCREAS, secretion/ *PHENTOLAMINE, pharmacodynamics/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL

541. **Cabot CL, Oliphant G:** The possible role of immunological complement in induction of rabbit sperm acrosome reaction. Biol Reprod 19(3):666-72, Oct 78
*ACROSOME, immunology/ ANIMAL/ CATTLE/ COMPLEMENT 3, immunology/ *COMPLEMENT, immunology/ FEMALE/ FERTILIZATION/ *GRAAFIAN FOLLICLE, immunology/ HUMAN/ MALE/ PROPERDIN, immunology/ RABBITS/ *SPERM CAPACITATION/ *SPERMATOZOA, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

542. **Calderini G, Carlsson A, Nordström CH:** Monoamine metabolism during bicuculline-induced epileptic seizures in the rat. Brain Res 157(2):295-302, 24 Nov 78
*AMINO ACIDS, metabolism/ ANIMAL/ BICUCULLINE/ *BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ CEREBELLUM, metabolism/ CONVULSIONS, chemically induced/ *CONVULSIONS, metabolism/ CORPUS STRIATUM, metabolism/ DOPA, metabolism/ DOPAMINE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ LIMBIC SYSTEM, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, DOPAMINE, metabolism/ RECEPTORS, SEROTONIN, metabolism/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism/ TYROSINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

543. **Calderini G, Carlsson A, Nordström CH:** Influence of transient ischemia on monoamine metabolism in the rat brain during nitrous oxide and phenobarbitone anaesthesia. Brain Res 157(2):303-10, 24 Nov 78
*ANESTHESIA, INHALATION/ *ANESTHESIA, INTRAVENOUS/ ANIMAL/ *BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ CEREBELLUM, metabolism/ *CEREBRAL ISCHEMIA, TRANSIENT, metabolism/ CEREBROVASCULAR CIRCULATION/ CORPUS STRIATUM, metabolism/ DOPA, metabolism/ DOPAMINE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ LIMBIC SYSTEM, metabolism/ MALE/ *NITROUS OXIDE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ *PHENOBARBITAL, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ TRYPTOPHAN, metabolism/ TYROSINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

544. **Call JW, Butcher JE, Blake JT, et al:** Phosphorus influence on growth and reproduction of beef cattle. J Anim Sci 47(1):216-25, Jul 78
ADMINISTRATION, ORAL/ ANIMAL FEED/ ANIMAL/ BODY WEIGHT/ *CATTLE, growth & development/ CATTLE, metabolism/ CATTLE, physiology/ COMPARATIVE STUDY/ FEMALE/ PHOSPHORUS, administration & dosage/ *PHOSPHORUS, metabolism/ PREGNANCY/ PUBERTY/ *REPRODUCTION/ RIBS, metabolism/ UNITED STATES GOV'T SUPPORTED

545. **Camitta BM, Thomas ED:** Severe aplastic anaemia: a prospective study of the effect of androgens or transplantation on haematological recovery and survival. Clin Haematol 7(3):587-95, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ANDROGENS, therapeutic use/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, mortality/ ANEMIA, APLASTIC, therapy/ *BONE MARROW, transplantation/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROSPECTIVE STUDIES/ TRANSPLANTATION, ALLOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

546. **Campbell AK, Dormer RL:** Inhibition by calcium ions of adenosine cyclic monophosphate formation in sealed pigeon erythrocyte 'ghosts'. A study using the photoprotein obelin. Biochem J 176(1):53-66, 15 Oct 78
A-23187, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ CALCIUM, metabolism/ *CALCIUM,

pharmacodynamics/ ERYTHROCYTE MEMBRANE, drug effects/ *ERYTHROCYTE MEMBRANE, metabolism/ *ERYTHROCYTES, metabolism/ EGTA, pharmacodynamics/ LUMINESCENT PROTEINS, metabolism/ PIGEONS/ SYMPATHOMIMETICS, pharmacodynamics

547. **Campbell DR, Mason WF, Standen JR:** Renal arteriography in von Hippel-Lindau Diease. J Can Assoc Radiol 29(4):243-6, Dec 78
ADENOCARCINOMA, complications/ ADENOCARCINOMA, radiography/ ADULT/ *ANGIOMATOSIS, radiography/ CASE REPORT/ FEMALE/ HIPPEL-LINDAU DISEASE, complications/ *HIPPEL-LINDAU DISEASE, radiography/ HUMAN/ KIDNEY NEOPLASMS, complications/ *KIDNEY NEOPLASMS, radiography/ KIDNEY, CYSTIC, complications/ *KIDNEY, CYSTIC, radiography/ MALE/ PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, radiography/ *RENAL ARTERY, radiography

548. **Campbell GT, Ramaley JA:** Immunohistochemistry of hypothalamic GNRH following manipulation of sex steroid levels: evidence that androgens have divergent effects on GNRH stores and serum follicle stimulating hormone levels. Biol Reprod 19(3):620-7, Oct 78
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ FEMALE/ *FSH, blood/ HISTOCYTOCHEMISTRY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ IMMUNOCHEMISTRY/ LH, blood/ MALE/ *MEDIAN EMINENCE, metabolism/ OVARY, physiology/ *PITUITARY HORMONE RELEASING HORMONES, metabolism/ RATS/ *STANOLONE, pharmacodynamics/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

549. **Campbell GT, Ramaley JA:** Ovarian-dependent development of a stimulatory effect of 5alpha-dihydrotestosterone on serum follicle stimulating hormone in the ovariectomized rat. Biol Reprod 19(3):612-9, Oct 78
ANIMAL/ CASTRATION/ FEMALE/ *FSH, blood/ MALE/ *OVARY, physiology/ RATS/ *STANOLONE, pharmacodynamics/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

550. **Campbell JB, Tomasula JJ, DeCrescito V, et al:** Myelotomy. Proc Veterans Adm Spinal Cord Inj Conf (19):124-8, 29-31 Oct 73
ANIMAL/ CATS/ FEMALE/ MALE/ METHYLPREDNISOLONE, administration & dosage/ PARAPLEGIA, pathology/ *PARAPLEGIA, surgery/ SPINAL CORD INJURIES, pathology/ *SPINAL CORD INJURIES, surgery/ 6-AMINOCAPROIC ACID, administration & dosage

551. **Campbell MD, Jaques S Jr, Gala RR:** The lack of an effect of cholinergic agonists on anterior pituitary prolactin production in vitro. Experientia 34(11):1522-3, 15 Nov 78
ANIMAL/ ARECOLINE, pharmacodynamics/ CARBACHOL, pharmacodynamics/ DOPAMINE, pharmacodynamics/ FEMALE/ IN VITRO/ NICOTINE, pharmacodynamics/ *PARASYMPATHOMIMETICS, pharmacodynamics/ *PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, metabolism/ *PROLACTIN, biosynthesis/ RATS/ UNITED STATES GOV'T SUPPORTED

552. **Campbell WG Jr, Donohue JA, Duket LH:** Serum angiotensin converting enzyme activity and the capacity to develop hypertention-associated arterial disease. Studies during the induction phase of one-kidney perinephritis hypertension in rabbits. Am J Pathol 93(2):383-404, Nov 78
ANIMAL/ *ARTERIES, pathology/ DISEASE MODELS, ANIMAL/ HYPERTENSION, RENAL, blood/ *HYPERTENSION, RENAL, complications/ HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, pathology/ *KININASE II, blood/ MALE/ NECROSIS/ NEPHRECTOMY/ PERINEPHRITIS, complications/ RABBITS/ RENIN, blood/ SQ 20881, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR DISEASES, blood/ *VASCULAR DISEASES, etiology/ VASCULAR DISEASES, pathology

553. **Campbell WH, Johnson RE, Senft RA, et al:** Adverse drug reactions in a disadvantaged population. J Community Health 3(3):205-15, Spring 78
ADULT/ AGED/ COMMUNITY HEALTH CENTERS, economics/ CONTRACEPTIVES, ORAL, adverse effects/ *COSTS AND COST ANALYSIS/ *DRUG THERAPY, adverse effects/ FEMALE/ FINANCING, GOVERNMENT/ HUMAN/ IATROGENIC DISEASE, economics/ *IATROGENIC DISEASE, occurrence/ INSURANCE, MAJOR MEDICAL/ MALE/ MIDDLE AGE/ OREGON/ *POVERTY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

554. **Campos ME, Gómez-Capilla JA, Osorio C:** Un método de determinación de estrógenos en orina por cromatografía gas-líquido, con aplicación a la práctica clínica diaria. Rev Clin Esp 150(3-4):133-5, Aug 78 (Eng. Abstr.) **(Spa)**
CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID, methods/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ HUMAN

555. **Campra JL, Reynolds TB:** Effectiveness of high-dose spironolactone therapy in patients with chronic liver disease and relatively refractory ascites. Am J Dig Dis 23(11):1025-30, Nov 78
ADULT/ *ASCITES, drug therapy/ ASCITES, etiology/ BLOOD UREA NITROGEN/ CREATININE, blood/ DRUG EVALUATION/ FEMALE/ HEPATITIS, ALCOHOLIC, complications/ HEPATITIS, ALCOHOLIC, drug therapy/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYPERKALEMIA, etiology/ KIDNEY FUNCTION TESTS/ LIVER CIRRHOSIS, ALCOHOLIC, complications/ LIVER CIRRHOSIS, ALCOHOLIC, drug therapy/ LIVER DISEASES, complications/ *LIVER DISEASES, drug therapy/ MALE/ MIDDLE AGE/ POTASSIUM, urine/ SPIRONOLACTONE, administration & dosage/ SPIRONOLACTONE, adverse effects/ *SPIRONOLACTONE, therapeutic use/ URIC ACID, blood

556. **Cangiano JL, Rodriguez-Sargent C, Martinez-Maldonado M:** Modification of experimental renal hypertension in the rat by indomethacin and hydralazine. J Lab Clin Med 92(4):516-20, Oct 78
ANIMAL/ DISEASE MODELS, ANIMAL/ FEMALE/ *HYDRALAZINE, therapeutic use/ *HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, metabolism/ *INDOMETHACIN, therapeutic use/ POTASSIUM, urine/ RATS/ RENIN, blood/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED

557. **Canick JA, Ryan KJ:** Properties of the aromatase system associated with the mitochondrial fraction of human placenta. Steroids 32(4):499-509, Nov 78
ANDROSTENEDIONE/ AROMATASE, isolation & purification/ *AROMATASE, metabolism/ CELL FRACTIONATION, methods/ FEMALE/ HUMAN/ KINETICS/ MICROSOMES, enzymology/ *MITOCHONDRIA, enzymology/ *OXIDOREDUCTASES, metabolism/ *PLACENTA, enzymology/ PREGNANCY/ SUBSTRATE SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

558. **Capdeville R, Maroteaux P, Bennet J, et al:** La radiologie dans les hypothyroïdies de l'enfant. J Radiol Electrol Med Nucl 59(6-7):432, Jun-Jul 78 **(Fre)**
HUMAN/ HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, etiology/ *HYPOTHYROIDISM, radiography/ THYROID GLAND, abnormalities/ *THYROID GLAND, radiography

559. **Caputi AP, Lampa E, Rossi F, et al:** Activation of histamine H2-receptors by St 600. Agressologie 19(1):35-7, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ BRONCHI, metabolism/ CHICKENS/ HYPOTHALAMUS, metabolism/ *IMIDAZOLES, pharmacodynamics/ MYOCARDIUM, metabolism/ *RECEPTORS, HISTAMINE H2, drug effects/ *RECEPTORS, HISTAMINE, drug effects/ TOLUIDINES, pharmacodynamics

560. **Carayon A, Courbil J, Ferro RM:** Les complications osseuses de la drépanocytose. (Dystrophies et osteonécroses). Med Trop (Mars) 38(2):207-12, Mar-Apr 78 (Eng. Abstr.) **(Fre)**
*ANEMIA, SICKLE CELL, complications/ ANEMIA, SICKLE CELL, physiopathology/ BONE AND BONES, blood supply/ *BONE DISEASES, etiology/ BONE DISEASES, therapy/ ENGLISH ABSTRACT/ HETEROZYGOTE/ HUMAN/ OSTEONECROSIS, etiology/ OSTEOPOROSIS, etiology

561. **Carlson HE, Levine GA, Goldberg NJ, et al:** Hyperprolactinemia in multiple endocrine adenomatosis, type 1. Arch Intern Med 138(12):1807-8, Dec 78
*ADENOMATOSIS, FAMILIAL ENDOCRINE, secretion/ ADULT/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, secretion/ *PROLACTIN, blood

562. **Carlsson A, Lindqvist M:** Effects of antidepressant agents on monoamine synthesis. pp. 95-105.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
ANIMAL/ *ANTIDEPRESSIVE AGENTS, pharmacodynamics/ *BRAIN, metabolism/ CARBOXY-LYASES, antagonists & inhibitors/ DOPA, metabolism/ *DOPAMINE, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYTRYPTOPHAN, metabolism/ MONOGRAPH/ *NOREPINEPHRINE, biosynthesis/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, SEROTONIN, drug effects/ *SEROTONIN, biosynthesis/ SYNAPTIC RECEPTORS, drug effects

563. **Carlsson CA:** The supraspinal control of the urinary bladder. Acta Pharmacol Toxicol (Copenh) 43(2):8-12, 1978
ANIMAL/ *BLADDER, innervation/ BLADDER, physiology/ BRAIN STEM, physiology/ *BRAIN, physiology/ CEREBRAL CORTEX, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, innervation/ MUSCLE, SMOOTH, physiology/ *URINATION

564. **Carlström K, Lunell NO, Persson B, et al:** Actions of salbutamol in late pregnancy. Serum levels of human chorionic gonadotrophin, human placental lactogen, total oestriol and progesterone in diabetic and non-diabetic women during infusion of salbutamol. Horm Metab Res 10(5):434-8, Sep 78
*ALBUTEROL, pharmacodynamics/ ESTRIOL, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ *HORMONES, blood/ HUMAN/ PLACENTAL LACTOGEN, blood/ *PREGNANCY IN DIABETES, blood/ *PREGNANCY TRIMESTER, THIRD, drug effects/ PREGNANCY/ PROGESTERONE, blood

565. **Carmel PW, Antunes JL, Ferin M:** Collection of blood from the pituitary stalk and portal veins in monkeys, and from the pituitary sinusoidal system of monkey and man. J Neurosurg 50(1):75-80, Jan 79
ANIMAL/ *BLOOD SPECIMEN COLLECTION, methods/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, blood/ MONKEYS/ NEUROPHYSINS, blood/ *PITUITARY GLAND, blood supply/ PITUITARY HORMONE RELEASING HORMONES, blood/ RHESUS MONKEYS/ SPHENOID SINUS, surgery/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, blood/ VEINS

566. **Carney A, Bancroft J, Mathews A:** Combination of hormonal and psychological treatment for female sexual unresponsiveness: a comparative study. Br J Psychiatry 133:339-46, Oct 78
ADULT/ COMPARATIVE STUDY/ COUNSELING, methods/ DIAZEPAM, therapeutic use/ FEMALE/ FRIGIDITY, drug therapy/ FRIGIDITY, psychology/ *FRIGIDITY, therapy/ HUMAN/ MALE/ MIDDLE AGE/ TESTOSTERONE, therapeutic use

567. **Carney JA, Sizemore GW, Hayles AB:** Multiple endocrine neoplasia, type 2b. Pathobiol Annu 8:105-53, 1978 (90 ref.)
*ADRENAL GLAND NEOPLASMS, pathology/ CALCITONIN, blood/ EYE MANIFESTATIONS/ FEMALE/ GALLBLADDER, pathology/ *GANGLIONEUROMA, pathology/ GASTROINTESTINAL SYSTEM, pathology/ HUMAN/ MALE/ MUSCULOSKELETAL SYSTEM, pathology/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ NERVOUS SYSTEM, pathology/ ORAL MANIFESTATIONS/ PANCREAS, pathology/ PARATHYROID GLANDS, pathology/ *PHEOCHROMOCYTOMA, pathology/ REVIEW/ SALIVARY GLANDS, pathology/ SEX FACTORS/ SKIN, pathology/ SYNDROME/ *THYROID NEOPLASMS, pathology

568. **Carnmalm B, Johansson L, Renyi AL, et al:** Antidepressant agents. X. Diphenyl-substituted cycloheptyl- and bicycloheptylamines. Acta Pharm Suec 15(3):181-7, 1978
*AMINES, chemical synthesis/ AMINES, pharmacodynamics/ ANIMAL/ *ANTIDEPRESSIVE AGENTS, chemical synthesis/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ CHEMISTRY/ DRUG SCREENING/ HYDROXYTRYPTOPHAN, metabolism/ MICE/ MOTOR ACTIVITY, drug effects/ MYDRIATICS/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism

569. **Caro JF, Besarab A, Glennon JA:** Symptomatic hypocalcemia following combined calcitonin and mithramycin therapy for hypercalcemia due to malignancy. Cancer Treat Rep 62(10):1561-3, Oct 78
*CALCITONIN, adverse effects/ CALCITONIN, therapeutic use/ CASE REPORT/ DRUG SYNERGISM/ FEMALE/ HUMAN/ *HYPERCALCEMIA, drug therapy/ HYPERCALCEMIA, etiology/ *HYPOCALCEMIA, chemically induced/ MIDDLE AGE/ *MITHRAMYCIN, adverse effects/ MITHRAMYCIN, therapeutic use/ *NEOPLASMS, complications

570. **Carpenter JR, Macaulay WL:** Relapsing polychondritis [letter] Arthritis Rheum 22(1):102-3, Jan 79
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ DAPSONE, administration & dosage/ *DAPSONE, therapeutic use/ DRUG EVALUATION/ FEMALE/ HUMAN/ *POLYCHONDRITIS, RELAPSING, drug therapy

571. **Carr D:** Oestrogens, myocardial infarction, and smoking [letter] Lancet 2(8098):1048, 11 Nov 78
COMPARATIVE STUDY/ *ESTRADIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ MALE/ MYOCARDIAL INFARCTION, blood/ *MYOCARDIAL INFARCTION, mortality/ *SMOKING, physiopathology

572. **Carraway R, Kitabgi P, Leeman SE:** The amino acid sequence of radioimmunoassayable neurotensin from bovine intestine. J Biol Chem 253(22):7996-8, 25 Nov 78
AMINO ACID SEQUENCE/ AMINOPEPTIDASES/ ANIMAL/ CARBOXYPEPTIDASES/ CATTLE/ COMPARATIVE STUDY/ *HYPOTHALAMUS, analysis/ *INTESTINAL MUCOSA, analysis/ *INTESTINE, SMALL, analysis/ *NEUROTENSIN/ NEUROTENSIN, isolation & purification/ ORGAN SPECIFICITY/ PEPTIDE FRAGMENTS, analysis/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

573. **Carriere R, Buschke M:** The influence of thyroid and testicular hormones on globule leucocytes in the rat duodenal crypt epithelium. Anat Rec 192(3):407-21, Nov 78
ANIMAL/ DEXTROTHYROXINE, pharmacodynamics/ *DUODENUM, anatomy & histology/ EPITHELIUM, cytology/ HYPOTHYROIDISM, pathology/ LEUKOCYTE COUNT/ LEUKOCYTES, physiology/ *LEUKOCYTES, ultrastructure/ MALE/ *RATS, anatomy & histology/ *TESTIS, physiology/ TESTOSTERONE, pharmacodynamics/ *THYROID GLAND, physiology/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

574. **Carroll BJ:** Neuroendocrine procedures for the diagnosis of depression. pp. 231-6.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
DEPRESSION, blood/ *DEPRESSION, diagnosis/ DEPRESSION, physiopathology/ DEPRESSION, urine/ DEXAMETHASONE, diagnostic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MONOGRAPH/

*PITUITARY-ADRENAL SYSTEM, physiopathology/ PSYCHOSES, MANIC-DEPRESSIVE, diagnosis/ SOMATOTROPIN, blood

575. **Carroll PR, Nasveld PE:** The effects of methysergide on the constrictor response to serotonin on the isolated, perfused rabbit ear artery. Aust J Exp Biol Med Sci 56(4):493–7, Aug 78
ANIMAL/ *ARTERIES, physiology/ EAR, blood supply/ IN VITRO/ *METHYSERGIDE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RABBITS/ *SEROTONIN, pharmacodynamics/ *VASOCONSTRICTION, drug effects

576. **Carruth JA, Lutman ME, Stephens SD:** An audiological investigation of osteogenesis imperfecta. J Laryngol Otol 92(10):853–60, Oct 78
ADOLESCENCE/ ADULT/ AGED/ AUDIOMETRY/ CHILD/ FEMALE/ HEARING LOSS, CONDUCTIVE, diagnosis/ *HEARING LOSS, CONDUCTIVE, etiology/ *HEARING LOSS, PARTIAL, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOGENESIS IMPERFECTA, physiopathology/ PEDIGREE/ TYMPANIC MEMBRANE, physiopathology

577. **Carruthers JA:** The use of Dermovate in the treatment of psoriasis [letter] Can Med Assoc J 119(6):563–4, 23 Sep 78
*BETAMETHASONE, analogs & derivatives/ CLOBETASOL, adverse effects/ *CLOBETASOL, therapeutic use/ HUMAN/ *PSORIASIS, drug therapy/ RECURRENCE

578. **Carter DC, Impicciatore M, Grossman MI:** Effect of dimaprit on gastric acid secretion in conscious cats. Agents Actions 8(5):453–7, Oct 78
ANIMAL/ CATS/ CIMETIDINE, pharmacodynamics/ *GASTRIC JUICE, secretion/ HISTAMINE, pharmacodynamics/ METHYLHISTAMINES, pharmacodynamics/ PENTAGASTRIN, pharmacodynamics/ PYRILAMINE, pharmacodynamics/ RECEPTORS, HISTAMINE H2/ *THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

579. **Carter DR, Spengler DM:** Mechanical properties and composition of cortical bone. Clin Orthop (135):192–217, Sep 78 (123 ref.)
ADOLESCENCE/ ADULT/ AGED/ AGING/ AMINOPROPIONITRILE, pharmacodynamics/ ANIMAL/ BIOMECHANICS/ BONE AND BONES, analysis/ BONE AND BONES, cytology/ *BONE AND BONES, physiology/ CATTLE/ CHILD/ CHILD, PRESCHOOL/ COPPER, deficiency/ DENSITOMETRY/ DIET/ ELASTICITY/ FEMALE/ FLUORIDES, pharmacodynamics/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ MODELS, BIOLOGICAL/ REVIEW/ TENSILE STRENGTH

580. **Cartier F, Merot ML:** Effet de l'alprénolol a longue durée d'action sur les hypertensions artérielles mal contrôlées par l'association thiazidique-dihydralazine. Etude en double aveugle. Sem Hop Paris 54(25–28):855–7, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**
ADMINISTRATION, ORAL/ ADULT/ *ALPRENOLOL, administration & dosage/ ALPRENOLOL, therapeutic use/ CHLOROTHIAZIDE, therapeutic use/ CLINICAL RESEARCH/ DELAYED-ACTION PREPARATIONS/ DIHYDRALAZINE, therapeutic use/ DOUBLE-BLIND METHOD/ ENGLISH ABSTRACT/ HEART RATE, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, etiology/ *KIDNEY, transplantation/ MIDDLE AGE/ PLACEBOS/ RENIN, blood/ TRANSPLANTATION, HOMOLOGOUS

581. **Case DB, Atlas SA, Laragh JH, et al:** Clinical experience with blockade of the renin-angiotensin-aldosterone system by an oral converting-enzyme inhibitor (SQ 14,225, captopril) in hypertensive patients. Prog Cardiovasc Dis 21(3):195–206, Nov-Dec 78
*ALDOSTERONE ANTAGONISTS/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ *HYPERTENSION, enzymology/ *KININASE II, antagonists & inhibitors/ POTASSIUM, metabolism/ *RENIN, antagonists & inhibitors/ RENIN, blood/ SODIUM, metabolism/ *SULFHYDRYL COMPOUNDS, pharmacodynamics

582. **Cassar J, Hamilton AM, Kohner EM:** Diabetic retinopathy in pregnancy. Int Ophthalmol Clin 18(4):179–88, Winter 78
*DIABETIC RETINOPATHY, complications/ DIABETIC RETINOPATHY, physiopathology/ DIABETIC RETINOPATHY, surgery/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ *PREGNANCY IN DIABETES, complications/ PREGNANCY IN DIABETES, physiopathology/ PREGNANCY IN DIABETES, surgery/ PREGNANCY/ RETINAL VESSELS, physiopathology

583. **Castay M, Bismuth J, Astier H:** Thyroxine-binding proteins of duck and chicken sera. Gen Comp Endocrinol 35(4):491–5, Aug 78
ANIMAL/ *CHICKENS, blood/ *DUCKS, blood/ MALE/ *THYROXINE BINDING PROTEIN, metabolism

584. **Castracane VD, Shaikh AA:** Proestrous levels of LH and FSH subsequent to adrenalectomy the same morning. Tex Rep Biol Med 36:63–7, 1978
*ADRENALECTOMY/ ANIMAL/ *ESTRUS/ FEMALE/ *FSH, blood/ *LH, blood/ *PROESTRUS/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

585. **Catalán RE, Castillón MP, Priego JG:** Effect of clofibrate treatment on the protein kinase and cyclic AMP-binding activities in rat liver. Horm Metab Res 10(5):450–1, Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CLOFIBRATE, pharmacodynamics/ DEPRESSION, CHEMICAL/ LIPASE, metabolism/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ *PROTEIN KINASE, metabolism/ RATS

586. **Catellani JE:** Review of factors contributing to dry socket through enhanced fibrinolysis. J Oral Surg 37(1):42–6, Jan 79 (30 ref.)
AGE FACTORS/ ALVEOLAR PROCESS, injuries/ ALVEOLAR PROCESS, physiopathology/ ANTIBIOTICS, administration & dosage/ ANTIBIOTICS, therapeutic use/ BACTERIA, metabolism/ BACTERIAL INFECTIONS, complications/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, adverse effects/ *DRY SOCKET, etiology/ DRY SOCKET, prevention & control/ DRY SOCKET, physiopathology/ ESTROGENS, pharmacodynamics/ FEMALE/ *FIBRINOLYSIS/ FIBRINOLYSIS, drug effects/ HUMAN/ MALE/ NUTRITION/ PLASMINOGEN ACTIVATORS, physiology/ PYROGENS, pharmacodynamics/ REVIEW/ SALIVA, physiology/ TOOTH EXTRACTION, adverse effects

587. **Cates W Jr, Grimes DA:** Abortion failure [letter] Obstet Gynecol 52(4):511–2, Oct 78
*ABORTION, INDUCED/ ADOLESCENCE/ CASE REPORT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS F, therapeutic use/ TIME FACTORS/ VACUUM CURETTAGE

588. **Catlin DH, George R, Li CH:** Beta-endorphin: pharmacologic and behavioral activity in cats after low intravenous doses. Life Sci 23(21):2147–54, 20 Nov 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ CATS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDORPHINS, administration & dosage/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ MALE/ MOTOR ACTIVITY, drug effects/ MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ NALOXONE, pharmacodynamics/ NICTITATING MEMBRANE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VOMITING, chemically induced

589. **Cava EF, Russell WM:** Intramural pregnancy with uterine rupture: a case report. Trans Pac Coast Obstet Gynecol Soc 45:127–9, 1978

ABRUPTIO PLACENTAE, diagnosis/ ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ PREGNANCY, ECTOPIC, complications/ *PREGNANCY, ECTOPIC, diagnosis/ UTERINE RUPTURE, diagnosis/ *UTERINE RUPTURE, etiology

590. **Cavaillé F, Maltier JP:** A local signal from the gravid horn to the ovary for the onset of parturition in rats. J Reprod Fertil 54(2):227–31, Nov 78
ANIMAL/ CASTRATION/ FEMALE/ *LABOR/ *OVARY, physiology/ PREGNANCY/ *RATS, physiology/ *UTERUS, physiology

591. **Cecchettin M, Albertini A, Bonora G, et al:** Calcitonin, parathyroid hormone and insulin concentrations in sera from patients with gastrinoma. Adv Exp Med Biol 106:117–9, 1978
C-PEPTIDE, blood/ *CALCITONIN, blood/ *GASTRINS, secretion/ HUMAN/ HYPERPARATHYROIDISM, complications/ *INSULIN, blood/ *PARATHYROID HORMONE, blood

592. **Cedarbaum JM, Aghajanian GK:** Activation of locus coeruleus neurons by peripheral stimuli: modulation by a collateral inhibitory mechanism. Life Sci 23(13):1383–92, 2 Oct 78
ACTION POTENTIALS, drug effects/ AFFERENT PATHWAYS, physiology/ ANIMAL/ ENKEPHALINS, antagonists & inhibitors/ GLYCINE, antagonists & inhibitors/ GABA, antagonists & inhibitors/ *LOCUS COERULEUS, physiology/ MALE/ *NEURAL INHIBITION/ NEURAL INHIBITION, drug effects/ NEURAL TRANSMISSION, drug effects/ *NOCICEPTORS, physiology/ NOREPINEPHRINE, antagonists & inhibitors/ *PERIPHERAL NERVES, physiology/ PIPEROXAN, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

593. **Cederqvist LL, Ylikorkala O, Ekelund L, et al:** Fetal immunoglobulin production following prenatal glucocorticoid treatment. Obstet Gynecol 52(5):539–41, Nov 78
BETAMETHASONE, pharmacodynamics/ *BETAMETHASONE, therapeutic use/ DEXAMETHASONE, pharmacodynamics/ *DEXAMETHASONE, therapeutic use/ FEMALE/ *FETAL MEMBRANES, PREMATURE RUPTURE, prevention & control/ FETUS, drug effects/ *FETUS, immunology/ HUMAN/ IGA, metabolism/ IGG, metabolism/ IGM, metabolism/ *IMMUNOGLOBULINS, biosynthesis/ INFANT, NEWBORN/ LUNG, embryology/ MALE/ PLACENTAL INSUFFICIENCY, drug therapy/ PREGNANCY

594. **Cha YN, Bueding E:** Recovery of the hepatic drug-metabolizing capacity in mice infected with Schistosoma mansoni following curative chemotherapy with the schistosomicide 4-isothiocyano-4'-nitro-diphenylamine (CGP 4540). Am J Trop Med Hyg 27(6):1188–91, Nov 78
*ANILINE COMPOUNDS, therapeutic use/ ANIMAL/ DIPHENYLAMINE, analogs & derivatives/ *DIPHENYLAMINE, therapeutic use/ *DRUGS, metabolism/ FEMALE/ LIVER DISEASES, PARASITIC, drug therapy/ LIVER DISEASES, PARASITIC, metabolism/ *LIVER, metabolism/ MICE/ SCHISTOSOMA MANSONI/ *SCHISTOSOMIASIS, drug therapy/ SCHISTOSOMIASIS, metabolism/ *SCHISTOSOMICIDES, therapeutic use/ *THIOCYANATES, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

595 **Chabner BA, Stoller RG, Hande K, et al:** Methotrexate disposition in humans: case studies in ovarian cancer and following high-dose infusion. Drug Metab Rev 8(1):107–17, 1978 (14 ref.)
ASCITES, metabolism/ DRUG RESISTANCE/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ KINETICS/ METHOTREXATE, administration & dosage/ METHOTREXATE, blood/ *METHOTREXATE, metabolism/ METHOTREXATE, therapeutic use/ OVARIAN NEOPLASMS, drug therapy/ *OVARIAN NEOPLASMS, metabolism/ REVIEW

596. **Chabrolle JP, Rossier A:** Transient neonatal hypothyroidism [letter] Pediatrics 62(5):857, Nov 78
FEMALE/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, chemically induced/ *IODINE, adverse effects/ IODINE, urine/ MATERNAL-FETAL EXCHANGE/ PREGNANCY

597. **Chait MM, Kurtz RC, Hajdu SI:** Gastrointestinal tract metastasis in patients with germ-cell tumor of the testis. Am J Dig Dis 23(10):925–8, Oct 78
ADOLESCENCE/ ADULT/ CHORIOCARCINOMA/ *DYSGERMINOMA/ *GASTROINTESTINAL NEOPLASMS, pathology/ HUMAN/ LIVER NEOPLASMS/ LUNG NEOPLASMS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ RETROPERITONEAL NEOPLASMS/ RETROSPECTIVE STUDIES/ TERATOID TUMOR/ *TESTICULAR NEOPLASMS

598. **Chambers DJ, Dunham J, Zanelli JM, et al:** A sensitive bioassay of parathyroid hormone in plasma. Clin Endocrinol (Oxf) 9(4):375–9, Oct 78
ANIMAL/ BIOLOGICAL ASSAY, methods/ ENZYME ACTIVATION, drug effects/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ HUMAN/ IN VITRO/ KIDNEY TUBULES, DISTAL, drug effects/ KIDNEY TUBULES, DISTAL, enzymology/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, pharmacodynamics

599. **Champagnat J, Denavit-Saubié M, Henry JL, et al:** Catecholaminergic depressant effects on bulbar respiratory mechanisms. Brain Res 160(1):57–68, 5 Jan 79
ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ANIMAL/ *CATECHOLAMINES, pharmacodynamics/ CATS/ CLONIDINE, pharmacodynamics/ DEPRESSION, CHEMICAL/ EPINEPHRINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHRENIC NERVE, drug effects/ *RESPIRATION, drug effects/ *RESPIRATORY CENTER, drug effects/ SEROTONIN, pharmacodynamics

600. **Champault G, Michel F, Callard P, et al:** Gastrite emphysémateuse et vasopressine. Gastroenterol Clin Biol 2(8–9):745–9, Aug-Sep 78 (Eng. Abstr.) **(Fre)**
ADULT/ CASE REPORT/ *EMPHYSEMA, chemically induced/ ENGLISH ABSTRACT/ ESOPHAGEAL VARICES, drug therapy/ FEMALE/ *GASTRITIS, chemically induced/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HUMAN/ INFECTION, etiology/ *VASOPRESSINS, adverse effects/ VASOPRESSINS, therapeutic use

601. **Champault G:** Nodules froids et cancers thyroïdiens. Soins 23(23):31–3, 5 Dec 78 **(Fre)**
HUMAN/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, therapy

602. **Champault G, Banoun N, Kanellopoulos A, et al:** La thyroïdectomie. Soins 23(23):39–44, 5 Dec 78 **(Fre)**
ANESTHESIOLOGY/ HUMAN/ METHODS/ PREOPERATIVE CARE/ SURGICAL NURSING/ *THYROID DISEASES, surgery/ *THYROIDECTOMY

603. **Chan JC:** Late complications of long-term hemodialysis in children: clinical aspects and some measurable variables concerning parathyroid hormone, divalent ions, acid-base metabolism, anemia, nutrition, growth and survival data. J Urol 120(5):578–85, Nov 78
ACIDOSIS, etiology/ ADOLESCENCE/ ALKALINE PHOSPHATASE, blood/ ANEMIA, etiology/ CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ DIET/ FEMALE/ FOLLOW-UP STUDIES/ GROWTH/ *HEMODIALYSIS, adverse effects/ HUMAN/ HYDROXYCHOLECALCIFEROLS, therapeutic use/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ PARATHYROID HORMONE, blood/ RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology/ TIME FACTORS/ UREA, blood

604. **Chan JC, Hirschman GH:** Familial hypophosphatemia. Clin Pediatr (Phila) 17(12):910–1, Dec 78
CHILD, PRESCHOOL/ DIHYDROXYCHOLECALCIFEROLS, therapeutic

use/ FEMALE/ HUMAN/ *HYPOPHOSPHATEMIA, FAMILIAL/ HYPOPHOSPHATEMIA, FAMILIAL, drug therapy/ PHOSPHORUS, therapeutic use/ VITAMIN D, therapeutic use

605. **Chan JC, Hung W:** Hemodialysis and thyroid functions in children. J Dial 2(4):387–92, 1978
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ *THYROID GLAND, physiopathology/ THYROTROPIN, metabolism/ TRIIODOTHYRONINE, metabolism

606. **Chan L, O'Malley BW:** Steroid hormone action: recent advances. Ann Intern Med 89(5 Pt 1):694–701, Nov 78
ANIMAL/ CELL MEMBRANE, metabolism/ CHICKENS/ DNA REPLICATION/ DNA, metabolism/ GENETICS, BIOCHEMICAL/ OVALBUMIN, metabolism/ PROGESTERONE, metabolism/ PROTEIN BINDING/ *RECEPTORS, HORMONE, metabolism/ RNA, biosynthesis/ *STEROIDS, metabolism/ TRANSCRIPTION, GENETIC

607. **Chan MY, Holmes WN:** The effect of some centrally active drugs on corticosterone secretion and metabolism in rats. Clin Exp Pharmacol Physiol 5(6):641–7, Nov–Dec 78
ADRENAL GLANDS, drug effects/ ANIMAL/ BODY WEIGHT, drug effects/ *CHLORPROMAZINE, pharmacodynamics/ *CORTICOSTERONE, metabolism/ CORTICOSTERONE, secretion/ HALF-LIFE/ MALE/ *METHADONE, pharmacodynamics/ *MORPHINE, pharmacodynamics/ ORGAN WEIGHT, drug effects/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

608. **Chan V, Jones A, Liendo-Ch P, et al:** The relationship between circadian variations in circulating thyrotrophin, thyroid hormones and prolactin. Clin Endocrinol (Oxf) 9(4):337–49, Oct 78
ADULT/ *CIRCADIAN RHYTHM/ DEXAMETHASONE, pharmacodynamics/ HUMAN/ MALE/ POSTURE/ *PROLACTIN, blood/ *THYROTROPIN, blood/ *THYROXINE, blood/ THYROXINE, pharmacodynamics/ THYROXINE, urine/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, urine

609. **Chanda JJ, Callen JP, Taylor WB:** Diffuse fasciitis with eosinophilia. Arch Dermatol 114(10):1522–4, Oct 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ *EOSINOPHILIA, complications/ EOSINOPHILIA, drug therapy/ *FASCIA/ FASCIA, pathology/ FEMALE/ HUMAN/ INFLAMMATION, complications/ INFLAMMATION, drug therapy/ MALE/ MIDDLE AGE/ SCLERODERMA, SYSTEMIC, drug therapy

610. **Chandra RK, Joglekar S, Antonio Z:** Deficiency of humoral immunity and hypoparathyroidism associated with the Hallerman-Streiff syndrome. J Pediatr 93(5):892–3, Nov 78
CASE REPORT/ FEMALE/ *HALLERMANN'S SYNDROME, complications/ HALLERMANN'S SYNDROME, immunology/ HUMAN/ *HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, immunology/ IMMUNITY/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ INFANT, NEWBORN/ MALE/ *MANDIBULOFACIAL DYSOSTOSIS, complications/ PARATHYROID HORMONE, metabolism/ PREGNANCY

611. **Chang CC, Trosko JE, Warren ST:** In vitro assay for tumor promoters and anti-promoters. J Environ Pathol Toxicol 2(1):43–64, Sep–Oct 78 (95 ref.)
ANIMAL/ CAFFEINE, pharmacodynamics/ CARCINOGENS, antagonists & inhibitors/ *CARCINOGENS, pharmacodynamics/ CELL DIVISION/ DEXAMETHASONE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FLUOCINOLONE ACETONIDE, pharmacodynamics/ MUTAGENS/ NEOPLASMS, familial & genetic/ NEOPLASMS, physiopathology/ OUABAIN, pharmacodynamics/ REVIEW/ STIMULATION, CHEMICAL/ TRETINOIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

612. **Channing CP, Anderson LD, Batta SK:** Follicular growth and development. Clin Obstet Gynaecol 5(2):375–90, Aug 78 (65 ref.)
ANIMAL/ ESTROGENS, metabolism/ FEMALE/ FSH, antagonists & inhibitors/ FSH, physiology/ GONADOTROPINS, CHORIONIC, metabolism/ *GRAAFIAN FOLLICLE, growth & development/ GRANULOSA CELLS, drug effects/ GRANULOSA CELLS, metabolism/ HUMAN/ IN VITRO/ LH, metabolism/ LH, physiology/ MONKEYS/ *OVARY, physiology/ OVULATION/ PROGESTERONE, metabolism/ RECEPTORS, HORMONE, physiology/ REVIEW/ TESTOSTERONE, pharmacodynamics/ THECA CELLS, drug effects/ THECA CELLS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

613. **Channing CP, Stone SL, Sakai CN, et al:** A stimulatory effect of the fluid from preimplantation rabbit blastocysts upon luteinization of monkey granulosa cell cultures. J Reprod Fertil 54(2):215–20, Nov 78
ANIMAL/ *BLASTOCYST, physiology/ CELLS, CULTURED/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ GRANULOSA CELLS, drug effects/ *GRANULOSA CELLS, physiology/ MONKEYS/ PREGNANCY/ PRENIDATION PHASE, ANIMAL/ *PROGESTERONE, secretion/ RABBITS/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

614. **Charlesworth B:** Model for evolution of Y chromosomes and dosage compensation. Proc Natl Acad Sci USA 75(11):5618–22, Nov 78
ALLELES/ ANIMAL/ COMPARATIVE STUDY/ *EVOLUTION/ MODELS, BIOLOGICAL/ MUTATION/ *SEX CHROMOSOMES, physiology/ *Y CHROMOSOME, physiology

615. **Chatel A, Bigot JM, Dectot H, et al:** Anatomie radiologique des veines spermatiques. A propos de 152 phlébographies spermatiques rétrogrades. J Chir (Paris) 115(8–9):443–50, Aug–Sep 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ HUMAN/ MALE/ PHLEBOGRAPHY/ PROSPECTIVE STUDIES/ STERILITY, MALE, radiography/ *TESTIS, blood supply/ *VARICOCELE, radiography

616. **Chatterjee A, Pal AK:** Seminal vesicles and its importance in the regulation of male fertility. Andrologia 10(4):321–4, Jul–Aug 78
ANIMAL/ *FERTILITY/ FERTILITY, drug effects/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ PROSTATE, physiology/ RATS/ *SEMINAL VESICLES, physiology/ TESTOSTERONE, pharmacodynamics

617. **Chatterjee T, Datta AG:** Effect of glucagon administration on mice liver fructose-1, 6-bisphosphatase. Biochem Biophys Res Commun 84(4):950–6, 30 Oct 78
ADRENALECTOMY/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION/ *GLUCAGON, pharmacodynamics/ *HEXOSEDIPHOSPHATASE, metabolism/ HYDROGEN-ION CONCENTRATION/ KIDNEY, enzymology/ KINETICS/ LIVER, drug effects/ *LIVER, enzymology/ MICE

618. **Chatterjee TK:** Phaeochromocytoma in pregnancy: report on two cases and a review of the literature. Med J Zambia 11(6):167–9, Dec–Jan 78
*ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, surgery/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, surgery/ PREGNANCY

619. **Chaudhari A, Anderson MW, Eling TE:** Conjugation of 15-keto-prostaglandins by glutathione S-transferases. Biochim Biophys Acta 531(1):56–64, 25 Oct 78
ANIMAL/ GLUTATHIONE TRANSFERASES, antagonists & inhibitors/ *GLUTATHIONE TRANSFERASES, metabolism/ GUINEA PIGS/

KIDNEY, enzymology/ LIVER, enzymology/ MALE/ PROSTAGLANDINS A, metabolism/ *PROSTAGLANDINS F, metabolism/ PROSTAGLANDINS, pharmacodynamics

620. **Chavin W, Honn KV, Clifford PJ:** cAMP involvement in the control of corticosterone and aldosterone output in the adrenal of the frog (Rana berlandieri forreri)
Gen Comp Endocrinol 35(4):445–50, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ALDOSTERONE, biosynthesis/ ANIMAL/ CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ FROGS/ *RANA, physiology/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

621. **Cheah KS, Cheah AM:** Calcium movements in skeletal muscle mitochondria of malignant hyperthermic pigs. FEBS Lett 95(2):307–10, 15 Nov 78
ANIMAL/ *CALCIUM, metabolism/ FEVER, chemically induced/ *FEVER, metabolism/ HALOTHANE, pharmacodynamics/ KINETICS/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ OXYGEN CONSUMPTION, drug effects/ SWINE/ TEMPERATURE

622. **Check W:** Thyrotoxicosis with painless goiter may recur or develop into hypothyroidism [news] JAMA 240(24):2618, 8 Dec 78
*GOITER/ GOITER, pathology/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, pathology/ *HYPOTHYROIDISM/ HYPOTHYROIDISM, pathology/ PAIN/ RECURRENCE

623. **Check W:** How do things stand with cisplatin? [news] JAMA 240(23):2521–2525, 1 Dec 78
BLADDER NEOPLASMS, drug therapy/ CARCINOMA, EPIDERMOID, drug therapy/ *DIAMMONIUM CHLOROPLATINUM COMPOUNDS, therapeutic use/ FEMALE/ HEAD AND NECK NEOPLASMS, drug therapy/ HUMAN/ LUNG NEOPLASMS, drug therapy/ MALE/ *NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ PLATINUM DIAMMINODICHLORIDE, adverse effects/ *PLATINUM DIAMMINODICHLORIDE, therapeutic use/ TESTICULAR NEOPLASMS, drug therapy/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES

624. **Chekman IS, Viktorov AP:** Obmennye protsessy v miokarde na rannikh étapakh postnatal'nogo ontogeneza i deistvie serdechnykh glikozidov (obzor literatury).
Farmakol Toksikol 41(6):723–30, Nov–Dec 78 (97 ref.) **(Rus)**
ADENOSINE TRIPHOSPHATE, metabolism/ AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN/ CALCIUM, metabolism/ *CARDIAC GLYCOSIDES, pharmacodynamics/ COMPARATIVE STUDY/ GLUCOSE, metabolism/ GLYCOGEN, metabolism/ HEART, growth & development/ LIPIDS, metabolism/ MUSCLE PROTEINS, biosynthesis/ *MYOCARDIUM, metabolism/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ PHOSPHOCREATINE, metabolism/ POTASSIUM, metabolism/ RATS/ REVIEW/ SHEEP, growth & development/ SODIUM, metabolism

625. **Chekunova MP, Minkina NA, Suvorov IM:** Puti patogeneticheskoĭ terapii kobal'tovykh porazheniĭ serdechnoĭ myshtsy. Gig Tr Prof Zabol (12):50–2, Dec 78 **(Rus)**
ACUTE DISEASE/ ANIMAL/ *COBALT, adverse effects/ DECANOATES, therapeutic use/ DRUG SCREENING/ *HEART DISEASES, chemically induced/ HEART DISEASES, drug therapy/ LIPOIC ACID, analogs & derivatives/ LIPOIC ACID, therapeutic use/ MALE/ METHIONINE, therapeutic use/ NANDROLONE, analogs & derivatives/ NANDROLONE, therapeutic use/ RATS/ UNITHIOL, therapeutic use

626. **Chen JK, Liss M:** Evidence of the carboxymethylation of nascent peptide chains on ribosomes.
Biochem Biophys Res Commun 84(1):261–8, 14 Sep 78
ANIMAL/ CATTLE/ CHICKENS/ FEMALE/ *OVIDUCTS, metabolism/ OVIPOSITION/ *PEPTIDES, biosynthesis/ PITUITARY GLAND, ANTERIOR, enzymology/ PLANTS, metabolism/ *PROTEIN METHYLTRANSFERASES, metabolism/ *PROTEIN O-METHYLTRANSFERASE, metabolism/ *RIBOSOMES, metabolism/ RNA, MESSENGER, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ *TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

627. **Chen TL, Klein L:** Fetal rat bone in organ culture: effect of bone growth and bone atrophy on the comparative losses of 45Ca and 3H-tetracycline. Calcif Tissue Res 25(3):255–63, 18 Aug 78
ANIMAL/ ATROPHY/ *BONE AND BONES, embryology/ BONE AND BONES, metabolism/ BONE AND BONES, pathology/ BONE DEVELOPMENT/ *CALCIUM, metabolism/ ORGAN CULTURE/ RATS/ *TETRACYCLINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

628. **Cheng E, Cvitkovic E, Wittes RE, et al:** Germ cell tumors (II): VAB II in metastatic testicular cancer. Cancer 42(5):2162–8, Nov 78
ADOLESCENCE/ ADULT/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ BLEOMYCIN, administration & dosage/ CHLORAMBUCIL, administration & dosage/ DACTINOMYCIN, administration & dosage/ DRUG HYPERSENSITIVITY, etiology/ DRUG THERAPY, COMBINATION/ HUMAN/ MALE/ MIDDLE AGE/ PLATINUM DIAMMINODICHLORIDE, administration & dosage/ PLATINUM DIAMMINODICHLORIDE, adverse effects/ REMISSION/ *TESTICULAR NEOPLASMS, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINBLASTINE, administration & dosage/ VOMITING, chemically induced

629. **Cheng JT, Araki H:** Inhibitory mechanisms of dexamethasone on contractions induced by drugs and by transmural stimulations in isolated guinea pig ileum.
Jpn J Pharmacol 28(5):755–62, Oct 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ FEMALE/ GUINEA PIGS/ IN VITRO/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ NICOTINE, pharmacodynamics/ PICRATES, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics

630. **Cheng VS, Suit HD, Wang CC, et al:** A preliminary study of intralesional, intralymph node, intravenous and intraperitoneal Corynebacterium parvum treatments in patients with advanced cancer. Cancer 42(4):1912–5, Oct 78
ADULT/ AGED/ *CARCINOMA, EPIDERMOID, therapy/ FEMALE/ FEVER, etiology/ *HEAD AND NECK NEOPLASMS, therapy/ HUMAN/ IMMUNOTHERAPY/ INJECTIONS/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENOUS/ LYMPH NODES/ MALE/ MIDDLE AGE/ *MOUTH NEOPLASMS, therapy/ *OVARIAN NEOPLASMS, therapy/ *PROPIONIBACTERIUM ACNES, immunology/ RECURRENCE/ REMISSION/ *SARCOMA, therapy/ *SOFT TISSUE NEOPLASMS, therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.

631. **Cheng WS, Cheng A, Chu EW, et al:** The atypical fluorescent body of the interphase nuclei of buccal mucosal cells and its relationship to the Y chromosome.
Acta Cytol (Baltimore) 22(4):268–72, Jul–Aug 78
*CELL NUCLEUS, ultrastructure/ CHEEK/ FEMALE/ FLUORESCENCE/ HUMAN/ INTERPHASE/ KARYOTYPING/ MALE/ MOUTH MUCOSA, ultrastructure/ *SEX CHROMOSOMES, ultrastructure/ *Y CHROMOSOME, ultrastructure

632. **Cherevishnik ZhV:** O mestnom i obshchem klinicheskom éffekte éstriola u bol'nykh s anomaliiami polozhneiia polovykh organov. Akush Ginekol (Mosk) (10):44–8, 1978 (Eng. Abstr.) **(Rus)**
ADMINISTRATION, TOPICAL/ ADULT/ CLINICAL RESEARCH/ DRUG EVALUATION/ ENGLISH ABSTRACT/ *ESTRIOL, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ POSTOPERATIVE CARE/ PREOPERATIVE

CARE/ *UTERINE PROLAPSE, drug therapy

633. **Chernayaev GA, Barkova TI, Egorova VV, et al:** A series of optical structural and isomeric analogs of estradiol: a comparative study of the biological activity and affinity to cytosol receptor of rabbit uterus. J Steroid Biochem 6(11-12):1483-8, Nov-Dec 75
ANIMAL/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ ISOMERISM/ KINETICS/ MOLECULAR CONFORMATION/ RABBITS/ *RECEPTORS, ESTROGEN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ *UTERUS, metabolism

634. **Chernow B, Wallner SF:** Variables predictive of bone marrow metastasis. Cancer 42(5):2373-8, Nov 78
BLOOD CELL COUNT/ BLOOD PLATELETS/ BLOOD UREA NITROGEN/ BONE AND BONES, radionuclide imaging/ *BONE MARROW DISEASES, diagnosis/ BONE MARROW EXAMINATION/ COMPARATIVE STUDY/ ERYTHROBLASTS/ FEMALE/ HEMATOCRIT/ HUMAN/ LACTATE DEHYDROGENASE, blood/ MALE/ *NEOPLASM METASTASIS, diagnosis/ *NEOPLASMS, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URIC ACID, blood

635. **Cherry KJ Jr, Ritchie WP Jr:** Methylprednisolone protects against bile-acid-induced acute gastric mucosal ulcerogenesis. Surg Forum 28:355-7, 1977
ANIMAL/ *BILE ACIDS AND SALTS/ DOGS/ GASTRIC MUCOSA/ *METHYLPREDNISOLONE, therapeutic use/ STOMACH ULCER, chemically induced/ STOMACH ULCER, etiology/ *STOMACH ULCER, prevention & control/ UNITED STATES GOV'T SUPPORTED, P.H.S.

636. **Chesnais JM, Kavaler F, Anderson TW, et al:** Staircase in frog ventricular muscle. Its dependence on membrane excitation and extracellular ionic composition. Circ Res 43(6):917-25, Dec 78
ACTION POTENTIALS, drug effects/ ANIMAL/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CARDIAC PACING, ARTIFICIAL/ DIASTOLE/ FROGS/ IN VITRO/ *MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ SARCOLEMMA, metabolism/ SODIUM, metabolism/ *SODIUM, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

637. **Chesney RW, Mazess RB, Hamstra AJ, et al:** Reduction of serum-1, 25-dihydroxyvitamin-D3 in children receiving glucocorticoids. Lancet 2(8100):1123-5, 25 Nov 78
ADMINISTRATION, ORAL/ ADOLESCENCE/ BONE AND BONES, metabolism/ BONE DISEASES, chemically induced/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ *DIHYDROXYCHOLECALCIFEROLS, blood/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ GLOMERULONEPHRITIS, drug therapy/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ *KIDNEY DISEASES, drug therapy/ KIDNEY DISEASES, metabolism/ NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D DEFICIENCY, chemically induced/ WEGENER'S GRANULOMATOSIS, drug therapy

638. **Chèze G:** Recherche qualitative de derives indoliques dans l'epithelium pigmentaire retinien de la truit (Salmo irideus). Vision Res 18(11):1587-91, 1978 **(Fre)**
ANIMAL/ CHROMATOGRAPHY, GEL/ *INDOLES, analysis/ MELATONIN, analysis/ *PIGMENT EPITHELIUM OF EYE, analysis/ *SALMONIDAE, metabolism/ SEROTONIN, analysis/ *TROUT, metabolism/ TRYPTOPHAN, analysis

639. **Childs GV, Cole DE, Kubek M, et al:** Endogenous thyrotropin-releasing hormone in the anterior pituitary: sites of activity as identified by immunocytochemical staining. J Histochem Cytochem 26(11):901-8, Nov 78
ANIMAL/ CYTOPLASMIC GRANULES, physiology/ IMMUNOENZYME TECHNICS/ *PITUITARY GLAND, ANTERIOR, immunology/ RABBITS/ RATS/ STAINS AND STAINING/ *THYROTROPIN RELEASING HORMONE, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

640. **Chin WW, Habener JF, Kieffer JD, et al:** Cell-free translation of the messenger RNA coding for the alpha subunit of thyroid-stimulating hormone. J Biol Chem 253(22):7985-8, 25 Nov 78
ANIMAL/ CARCINOMA, KREBS 2, metabolism/ MACROMOLECULAR SYSTEMS/ MICE/ MOLECULAR WEIGHT/ NEOPLASMS, EXPERIMENTAL, metabolism/ PEPTIDE FRAGMENTS, analysis/ *PITUITARY NEOPLASMS, metabolism/ PLANTS, metabolism/ RABBITS/ RETICULOCYTES, metabolism/ *RNA, MESSENGER, metabolism/ *THYROTROPIN, biosynthesis/ *TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

641. **Chiossi FM:** Terapia dell'artrite reumatoide giovanile. Esperienza personale. Minerva Pediatr 30(22):1767-71, 30 Nov 78 **(Ita)**
ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ *ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ ASPIRIN, therapeutic use/ AZATHIOPRINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHLOROQUINE, therapeutic use/ COSYNTROPIN, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ INFANT/ LEVAMISOLE, therapeutic use

642. **Chlapowski FJ:** Morphology and cyclic AMP metabolism of normal and spontaneously transformed rabbit transitional epithelium in vitro. Life Sci 23(13):1325-36, 2 Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ BLADDER, pathology/ *CELL TRANSFORMATION, NEOPLASTIC, metabolism/ CELL TRANSFORMATION, NEOPLASTIC, pathology/ CELLS, CULTURED/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ EPITHELIUM, pathology/ FEMALE/ PROSTAGLANDINS E, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

643. **Chmel H, Armstrong D:** Acute febrile neutrophilic dermatosis: Sweet's syndrome. South Med J 71(11):1350-2, Nov 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOCYTIC, complications/ LEUKOCYTOSIS, complications/ *NEUTROPHILS/ RECURRENCE/ *SKIN DISEASES, complications/ SKIN DISEASES, pathology/ SKIN, pathology/ SYNDROME

644. **Cho H, Tsuchiya Y, Matsuo N, et al:** [Changes of insulin antagonists in juvenile diabetes mellitus--with special reference to growth hormone and glucagon] Horumon To Rinsho 26(9):895-900, Sep 78 **(Jpn)**
CHILD/ *DIABETES MELLITUS, JUVENILE, blood/ FEMALE/ *GLUCAGON, blood/ HUMAN/ *INSULIN ANTAGONISTS, blood/ MALE/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, blood

645. **Cho JT, Bone S, Dunner DL, et al:** The effect of lithium treatment on thyroid function in patients with primary affective disorder. Am J Psychiatry 136(1):115-6, Jan 79
ADULT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, drug therapy/ LITHIUM, adverse effects/ *LITHIUM, therapeutic use/ MALE/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ THYROID HORMONES, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

646. **Chocha A:** Wpływ octanu kortyzonu na zawartość kwaśnych mukopolisacharydów (glikozoaminoglikuronianów) w nerkach królika. II. Zmiany w zakresie glikozoaminoglikuronianów. Endokrynol Pol 29(5):391-7, Sep-Oct 78 (Eng. Abstr.) **(Pol)**
ACETATES, pharmacodynamics/ ANIMAL/ *CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ *GLYCOSAMINOGLYCANS, analysis/ *KIDNEY, analysis/ MALE/ RABBITS

647. **Chou HF, Wasserman RH, Schwartz R:** Effect of magnesium deficiency on intestinal calcium transport in rats.

Proc Soc Exp Biol Med 159(2):171–5, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ DUODENUM, metabolism/ ILEUM, metabolism/ INTESTINAL ABSORPTION/ *INTESTINE, SMALL, metabolism/ *MAGNESIUM DEFICIENCY, metabolism/ MALE/ PERFUSION/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN D, metabolism

648. **Chou JY:** Regulation of the synthesis of human chorionic gonadotropin by strains of HeLa cells in culture. In Vitro 14(9):775–8, Sep 78
BROMODEOXYURIDINE, pharmacodynamics/ BUTYRATES, pharmacodynamics/ COMPARATIVE STUDY/ *GONADOTROPINS, CHORIONIC, biosynthesis/ HELA CELLS, drug effects/ *HELA CELLS, metabolism/ HUMAN

649. **Choudhary VP:** 'Long term use of cyclophosphamide in nephrotic syndrome' [letter] Indian Pediatr 15(4):369, Apr 78
CHILD/ CYCLOPHOSPHAMIDE, adverse effects/ *CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ MALE/ *NEPHROTIC SYNDROME, drug therapy/ TESTICULAR DISEASES, chemically induced

650. **Christensen NJ, Hansen AP, Lundbaek K:** Metabolic and hormonal factors in diabetic retinopathy. Int Ophthalmol Clin 18(4):55–72, Winter 78
ANIMAL/ CATECHOLAMINES, physiology/ DIABETES MELLITUS, EXPERIMENTAL, physiopathology/ DIABETIC RETINOPATHY, metabolism/ *DIABETIC RETINOPATHY, physiopathology/ *HORMONES, physiology/ HUMAN/ HYPOPHYSECTOMY/ INSULIN, physiology/ PROLACTIN, physiology/ REGIONAL BLOOD FLOW/ RETINAL VESSELS, physiopathology/ SOMATOTROPIN, physiology

651. **Chrow L:** On the use of selected bronchodilators in the asthmatic and non-asthmatic patient. AANA J 46(4):389–96, Aug 78
ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ *ASTHMA, drug therapy/ *BRONCHIAL SPASM, drug therapy/ BRONCHIAL SPASM, etiology/ BRONCHIAL SPASM, physiopathology/ *BRONCHODILATOR AGENTS, therapeutic use/ DRUG INTERACTIONS/ HUMAN/ SYMPATHOMIMETICS, pharmacodynamics/ SYMPATHOMIMETICS, therapeutic use/ XANTHINES, pharmacodynamics/ XANTHINES, therapeutic use

652. **Chu HH, Chang CM, Lu HY, et al:** Preliminary clinical observations of luteinizing hormone-releasing hormone stimulation test. Chin Med J [Engl] 4(5):343–8, Sep 78
ADULT/ CASE REPORT/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE

653. **Chua FS, Zvetina JR, Raghunath TK, et al:** Surgical experience with pulmonary tuberculosis patients receiving steroids. J Indiana State Med Assoc 71(12):1138–41, Dec 78
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ FEMALE/ HUMAN/ ISONIAZID, administration & dosage/ MALE/ MIDDLE AGE/ STREPTOMYCIN, administration & dosage/ *TUBERCULOSIS, PULMONARY, surgery

654. **Chuang SM, Lin HN, Rin H, et al:** [A case of 48, XXYY syndrome (the first reported case in Taiwan) (author's transl)] Taiwan I Hsueh Hui Tsa Chih 77(9):692–8, Sep 78 (Eng. Abstr.) **(Chi)**
ADOLESCENCE/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, occurrence/ SYNDROME/ TAIWAN

655. **Chung WJ, Coe EL:** Correlations among the responses of suspensions of Dictyostelium discoideum to pulses of 3',5-cyclic AMP. Transient turbidity decrease, the cyclic AMP signal, and variation in adenine mononucleotide levels. Biochim Biophys Acta 544(1):29–44, 15 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE MONOPHOSPHATE, metabolism/ *DICTYOSTELIUM, metabolism/ GLUCOSEPHOSPHATES, metabolism/ TURBIDIMETRY

656. **Chupin L, Herrmann JM, Maillet R, et al:** Effets de l'héparine dans l'hypotrophie foetale d'origine vasculaire maternelle. J Gynecol Obstet Biol Reprod (Paris) 7(4):849–54, May–Jun 78 (Eng. Abstr.) **(Fre)**
*ARTERIOSCLEROSIS, drug therapy/ *ATHEROSCLEROSIS, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CREATININE, urine/ ENGLISH ABSTRACT/ ENZYMES, analysis/ ESTRIOL, urine/ FEMALE/ *FETAL GROWTH RETARDATION, drug therapy/ HUMAN/ MICROCIRCULATION/ *PLACENTA DISORDERS, drug therapy/ PLACENTA, blood supply/ PLACENTAL LACTOGEN, analysis/ PREGNANCY/ ULTRASONICS, diagnostic use

657. **Cidlowski JA, Munck A:** Comparison of glucocorticoid-receptor complex binding to nuclei and DNA cellulose. Evidence for different forms of interaction. Biochim Biophys Acta 543(4):545–55, 1 Nov 78
*CELL NUCLEUS, metabolism/ CELL-FREE SYSTEM/ CELLULOSE/ COMPARATIVE STUDY/ DEOXYRIBONUCLEASE, metabolism/ DEXAMETHASONE, metabolism/ *DNA, metabolism/ KINETICS/ PROTEIN BINDING/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ SALTS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

658. **Cifuentes Delatte DL:** 'Avances en el estudio de la estructura de los cálculos renales'. An R Acad Nacl Med (Madr) 95(3):351–63, 1978 **(Spa)**
BONE AND BONES, analysis/ CHEMISTRY, PHYSICAL/ HUMAN/ *KIDNEY CALCULI, pathology/ MINERALS, analysis/ URINARY CALCULI, pathology

659. **Ciment G, de Vellis J:** Cellular interactions uncouple beta-adrenergic receptors from adenylate cyclase. Science 202(4369):765–8, 17 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ *CELL COMMUNICATION/ CELL LINE/ CHOLERA TOXIN, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ MEMBRANE PROTEINS, metabolism/ PROTEIN BINDING/ *RECEPTORS, ADRENERGIC, metabolism/ *RECEPTORS, ADRENERGIC, BETA, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

660. **Cimis R:** A puzzling arthralgia. Hosp Pract 13(9):139–40, 145, 148, Sep 78
BIOPSY/ CASE REPORT/ FEMALE/ *HEPATITIS, diagnosis/ HEPATITIS, drug therapy/ HUMAN/ *JOINT DISEASES, etiology/ LIVER FUNCTION TESTS/ LIVER, pathology/ MIDDLE AGE/ PAIN, etiology/ PREDNISONE, administration & dosage

661. **Cines DB, Schreiber AD:** Immune thrombocytopenia. Use of a Coombs antiglobulin test to detect IgG and C3 on platelets. N Engl J Med 300(3):106–11, 18 Jan 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *BLOOD PLATELETS, immunology/ CHILD/ CHILD, PRESCHOOL/ *COMPLEMENT 3, analysis/ *COOMBS' TEST, methods/ HUMAN/ *IGG, analysis/ IODINE RADIOISOTOPES/ MIDDLE AGE/ PURPURA, THROMBOPENIC, diagnosis/ PURPURA, THROMBOPENIC, drug therapy/ PURPURA, THROMBOPENIC, immunology/ *THROMBOPENIA, diagnosis/ THROMBOPENIA, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

662. **Cisło MA, Gryboś M:** Tkanka kostna w jamie macicy przyczyną powikłań po usunięciu obumarłego jaja płodowego. Ginekol Pol 49(7):639–41, Jul 78 (Eng. Abstr.) **(Pol)**
*ABORTION, MISSED/ *ABORTION, THERAPEUTIC, adverse effects/ ADULT/ BONE AND BONES/ CASE REPORT/ *ENDOMETRITIS, etiology/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH, surgery/ FETUS/ HUMAN/ PREGNANCY

663. **Citrin DL, Pederson J, Rose DP, et al:** Radiation-induced carcinoma of the thyroid with severe thyrotoxicosis. Wis Med J 77(10):S97–9, Oct 78

*ADENOCARCINOMA, etiology/ AGED/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, etiology/ NEOPLASM METASTASIS/ *NEOPLASMS, RADIATION-INDUCED, complications/ *RADIOTHERAPY, adverse effects/ *THYROID NEOPLASMS, etiology

664. **Clancy JJ, Caldwell DF:** Effect of an adrenal demedullationon signaled, one-way, active avoidance learning. Psychol Rep 43(2):631-7, Oct 78
*ADRENAL MEDULLA, physiology/ ANIMAL/ *AVOIDANCE LEARNING, physiology/ CONDITIONING (PSYCHOLOGY), physiology/ MALE/ RATS

665. **Clark AN, Osmani SR:** Steroid-responsive leukaemia. Br Med J 2(6143):999, 7 Oct 78
AGED/ CASE REPORT/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOCYTIC, drug therapy/ *PREDNISONE, therapeutic use/ REMISSION

666. **Clark JH, Hsueh AJ, Peck EJ Jr:** Regulation of estrogen receptor replenishment by progesterone. Ann NY Acad Sci 286:161-79, 11 Mar 77
ANIMAL/ BINDING SITES/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ ESTRADIOL ANTAGONISTS/ ESTRUS/ FEMALE/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ RATS/ *RECEPTORS, ESTROGEN, drug effects/ RECEPTORS, ESTROGEN, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, drug effects/ UTERUS, metabolism

667. **Clark JH, Hardin JW, McCormack SA:** Estrogen receptor binding and growth of the reproductive tract. Pediatrics 62(6 Pt 2):1121-7, Dec 78
AGING/ ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ NAFOXIDINE, pharmacodynamics/ RATS/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, ESTROGEN, metabolism/ UTERUS, drug effects/ UTERUS, growth & development/ *UTERUS, metabolism

668. **Clark OH, Castner BJ:** Thyroid-stimulating hormone binding sites in benign and malignant thyroid tumors in man. Surg Forum 28:135-7, 1977
BINDING SITES/ HUMAN/ *THYROID NEOPLASMS, metabolism/ *THYROTROPIN, metabolism

669. **Clark RB:** Adenylylimidodiphosphate: effect of contaminants on adenylate cyclase activity. J Cyclic Nucleotide Res 4(4):259-70, Aug 78
*ADENOSINE TRIPHOSPHATE, analogs & derivatives/ *ADENYL CYCLASE, metabolism/ *ADENYLYL IMIDODIPHOSPHATE, analysis/ ADENYLYL IMIDODIPHOSPHATE, isolation & purification/ ADENYLYL IMIDODIPHOSPHATE, pharmacodynamics/ CELL LINE/ ENZYME ACTIVATION, drug effects/ GUANINE NUCLEOTIDES, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics

670. **Clark RM, Reid J:** Carinoma of the breast in pregnancy and lactation. Int J Radiat Oncol Biol Phys 4(7-8):693-8, Jul-Aug 78
ADULT/ *BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, therapy/ CASTRATION/ FEMALE/ HUMAN/ *LACTATION/ LYMPHATIC METASTASIS/ PARITY/ *PREGNANCY COMPLICATIONS, therapy/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ PROGNOSIS/ TIME FACTORS

671. **Clark RW, Schmidt HS, Sotos JF:** Reversal of chronic diabetes insipidus during treatment with protriptyline. South Med J 71(12):1567-8, Dec 78
ADOLESCENCE/ CHRONIC DISEASE/ *DIABETES INSIPIDUS/ *DIBENZOCYCLOHEPTENES, therapeutic use/ HUMAN/ MALE/ *PROTRIPTYLINE, therapeutic use/ REMISSION/ *SLEEP DISORDERS, drug therapy

672. **Clayman L, Fuller T, Beckman H:** Healing of continuous-wave and rapid superpulsed, carbon dioxide, laser-induced bone defects. J Oral Surg 36(12):932-7, Dec 78
ANIMAL/ BONE AND BONES, anatomy & histology/ *BONE AND BONES, physiology/ BONE AND BONES, surgery/ CALLUS, anatomy & histology/ CARBON DIOXIDE/ COMPARATIVE STUDY/ CONNECTIVE TISSUE, anatomy & histology/ *LASERS/ OSTEOBLASTS, cytology/ OSTEOGENESIS/ *OSTEOTOMY/ RABBITS/ *WOUND HEALING

673. **Clayson DB:** The scientific basis for the correlation between human and laboratory responses to carcinogens: overview, fact, myth and speculation. J Environ Pathol Toxicol 2(1):1-8, Sep-Oct 78
ANIMAL/ CARCINOGENS, administration & dosage/ *CARCINOGENS, pharmacodynamics/ COSTS AND COST ANALYSIS/ ESTROGENS, pharmacodynamics/ HUMAN/ RISK/ SPECIES SPECIFICITY

674. **Clement-Cormier YC, Redburn DA:** Dopamine-sensitive adenylate cyclase in retina--subcellular distribution. Biochem Pharmacol 27(18):2281-2, 1978
*ADENYL CYCLASE, metabolism/ ANIMAL/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ IN VITRO/ KINETICS/ MALE/ RABBITS/ *RETINA, enzymology/ RETINA, ultrastructure/ SUBCELLULAR FRACTIONS, enzymology/ SYNAPTOSOMES, enzymology

675. **Clifton KH, DeMott RK, Mulcahy RT, et al:** Thyroid gland formation from inocula of monodispersed cells: early results on quantitation, function, neoplasia and radiation effects. Int J Radiat Oncol Biol Phys 4(11-12):987-90, Nov-Dec 78
ANIMAL/ CELL NUMBER/ MALE/ NEOPLASMS, EXPERIMENTAL, etiology/ *NEOPLASMS, RADIATION-INDUCED, etiology/ RATS/ RATS, INBRED STRAINS/ THYROID GLAND, anatomy & histology/ THYROID GLAND, radiation effects/ *THYROID GLAND, transplantation/ *THYROID NEOPLASMS, etiology/ TRANSPLANTATION, ISOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

676. **Clinch J:** Complications of the new contraceptive preparations. Ir Med J 71(15):513-4, 31 Oct 78
*CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *PROGESTATIONAL HORMONES, adverse effects

677. **Clipsham PJ, Hamilton TC, Hunt AE, et al:** Cyclic nucleotides and central cardiovascular control in the cat [proceedings] Br J Pharmacol 64(3):395P, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CATS/ *CENTRAL NERVOUS SYSTEM, physiology/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *HEMODYNAMICS/ IN VITRO

678. **Clos J:** Hormonal and nutritional effects on the development of glia. pp. 247-56.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ BRAIN, growth & development/ *BRAIN, pathology/ CELL DIVISION/ CEREBELLAR CORTEX, pathology/ MONOGRAPH/ MYELIN SHEATH, pathology/ NEUROGLIA, cytology/ *NEUROGLIA, pathology/ *NUTRITION DISORDERS, pathology/ RATS/ *THYROID DISEASES, pathology

679. **Clyman RI, Mauray F, Koerper MA, et al:** Formation of prostacyclin (PGI2) by the ductus arteriosus of fetal lambs at different stages of gestation. Prostaglandins 16(4):633-42, Oct 78
ANIMAL/ DUCTUS ARTERIOSUS, embryology/ *DUCTUS ARTERIOSUS, metabolism/ DUCTUS ARTERIOSUS, physiology/ GESTATIONAL AGE/ PLATELET AGGREGATION, drug effects/ PRESSURE/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, pharmacodynamics/ PROSTAGLANDINS X, secretion/ *PROSTAGLANDINS, biosynthesis/ SHEEP/ TRANYLCYPROMINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

680. **Coakley AJ, Croft DN:** Thyrotoxic Graves's disease after primary hypothyroidism [letter] Br Med J 2(6150):1500, 25 Nov 78
CASE REPORT/ *GOITER, EXOPHTHALMIC, etiology/ HUMAN/ *HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE

681. **Coalson JJ, Benjamin BA, Archer LT, et al:** A pathologic study of Escherichia coli shock in the baboon and the response to adrenocorticosteroid treatment. Surg Gynecol Obstet 147(5):726-36, Nov 78
ADRENAL GLANDS, ultrastructure/ ANIMAL/ AUTOPSY/ DISEASE MODELS, ANIMAL/ ESCHERICHIA COLI/ GASTROINTESTINAL SYSTEM, ultrastructure/ KIDNEY, ultrastructure/ LIVER, ultrastructure/ LUNG, ultrastructure/ *METHYLPREDNISOLONE, therapeutic use/ MONKEYS/ MYOCARDIUM, ultrastructure/ PANCREAS, ultrastructure/ PAPIO/ SHOCK, SEPTIC, pathology/ *SHOCK, SEPTIC, prevention & control/ SPLEEN, ultrastructure

682. **Coburn JW, Brickman AS:** Current status of the use of newer analogs of vitamin D in the management of renal osteodystrophy. Adv Exp Med Biol 103:473-86, 1978 (41 ref.)
ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ *DIHYDROXYCHOLECALCIFEROLS, therapeutic use/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ PARATHYROID HORMONE, blood/ PHOSPHORUS, blood/ RENAL OSTEODYSTROPHY, blood/ *RENAL OSTEODYSTROPHY, drug therapy/ REVIEW/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

683. **Cochrane JP:** The aldosterone response to surgery and the relationship of the response to postoperative sodium retention. Br J Surg 65(10):744-7, Oct 78
*ALDOSTERONE, secretion/ BLOOD PRESSURE/ CHOLECYSTECTOMY/ HEMATOCRIT/ HUMAN/ HYDROCORTISONE, blood/ POSTOPERATIVE PERIOD/ RENIN, blood/ *SODIUM, metabolism/ *SURGERY, OPERATIVE

684. **Cockle SA, Epand RM, Moscarello MA:** Resistance of lipophilin, a hydrophobic myelin protein, to denaturation by urea and guanidinium salts. J Biol Chem 253(22):8019-26, 25 Nov 78
CIRCULAR DICHROISM/ DRUG STABILITY/ *GUANIDINES/ HUMAN/ KINETICS/ *MYELIN PROTEINS/ PROTEIN CONFORMATION/ PROTEIN DENATURATION/ *PROTEOLIPIDS/ SPECTROMETRY, FLUORESCENCE/ THIOCYANATES/ *UREA

685. **Coelingh Bennink HJ:** Ovulatie-inductie met bromocriptine. Ned Tijdschr Geneeskd 122(47):1831-40, 25 Nov 78 (Eng. Abstr.) **(Dut)**
ABNORMALITIES, DRUG-INDUCED/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ FETUS, drug effects/ HUMAN/ MENSTRUATION, FOLLICULAR PHASE, drug effects/ *OVULATION INDUCTION/ PREGNANCY/ PROLACTIN, blood/ *STERILITY, FEMALE, drug therapy/ 2-BROMOERGOCRYPTINE, administration & dosage/ 2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, therapeutic use

686. **Cohen J, Delafontaine D:** Intérêt de l'insémination (IAC) avec éjaculat fractionné dans les stérilités du couple (considérations spermiologiques, hormonales et cliniques à propos de 73 cas). Gynecologie 29(4):347-52, 1978 **(Fre)**
CERVIX MUCUS/ *EJACULATION/ FEMALE/ FRACTIONATION/ HUMAN/ *INSEMINATION, ARTIFICIAL/ *INSEMINATION, ARTIFICIAL, HOMOLOGOUS/ MALE/ OLIGOSPERMIA, therapy/ OVULATION INDUCTION/ PREGNANCY/ *STERILITY, therapy

687. **Cohen KL, Cooper RA, Altshul S:** Prolactin levels in tardive dyskinesia [letter] N Engl J Med 300(1):46, 4 Jan 79
ADULT/ *DYSKINESIA, DRUG-INDUCED, blood/ HUMAN/ MIDDLE AGE/ *PROLACTIN, blood

688. **Cohen M, Lippman M, Chabner B:** Pineal gland and breast cancer [letter] Lancet 2(8104-5):1381-2, 23-30 Dec 78
ADOLESCENCE/ ADULT/ *BREAST NEOPLASMS, pathology/ CALCINOSIS, pathology/ FEMALE/ HUMAN/ HYPERTROPHY/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PINEAL BODY, pathology

689. **Cohen SL, Ho P, Suzuki Y, et al:** The preparation of pregnancy urine for an estrogen profile. Steroids 32(2):279-93, Sep 78
AMMONIUM SULFATE/ ASCORBIC ACID/ CHROMATOGRAPHY, GAS/ *ESTROGENS, urine/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ HYDROLYSIS/ METHODS/ *PREGNANCY/ TRIMETHYLSILYL COMPOUNDS

690. **Colin J:** L'herpès oculaire. Aspect thérapeutique. Nouv Presse Med 7(33):2949-53, 30 Sep 78 (36 ref.) (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ CORNEA, transplantation/ DYES, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ IDOXURIDINE, therapeutic use/ INTERFERON, therapeutic use/ KERATITIS, DENDRITIC, drug therapy/ KERATITIS, DENDRITIC, surgery/ *KERATITIS, DENDRITIC, therapy/ LEVAMISOLE, therapeutic use/ PHOTOCHEMOTHERAPY/ REVIEW/ TRANSPLANTATION, HOMOLOGOUS/ TRIFLUOROTHYMIDINE, therapeutic use/ VIDARABINE, therapeutic use

691. **Collado F:** Nueva sistematización de las displasias óseas basada en las alteraciones de la histogénesis. Bol Med Hosp Infant Mex 36(2):177-90, Mar-Apr 79 (Eng. Abstr.) **(Spa)**
BONE AND BONES, radiography/ CARTILAGE, pathology/ *CHONDRODYSTROPHIA CALCIFICANS CONGENITA, classification/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA, pathology/ CHONDRODYSTROPHIA CALCIFICANS CONGENITA, radiography/ CONJUNCTIVA, pathology/ ENGLISH ABSTRACT/ HUMAN

692. **Colley J, Cameron HU, Freeman MA, et al:** Loosening of the femoral component in surface replacement of the knee. Arch Orthop Trauma Surg 92(1):31-4, 11 Aug 78
BONE CEMENTS/ FEMUR, physiopathology/ HUMAN/ *JOINT PROSTHESIS/ *KNEE JOINT, surgery/ OSTEOPOROSIS, complications/ *POSTOPERATIVE COMPLICATIONS/ POSTOPERATIVE COMPLICATIONS, occurrence/ TIBIA, physiopathology

693. **Collins AJ, Bloomfield CD, Peterson BA, et al:** Acute promyelocytic leukemia. Management of the coagulopathy during daunorubicin-prednisone remission induction. Arch Intern Med 138(11):1677-80, Nov 78
ADOLESCENCE/ ADULT/ BLOOD COAGULATION FACTORS/ BLOOD COAGULATION TESTS/ *DAUNOMYCIN, therapeutic use/ DISSEMINATED INTRAVASCULAR COAGULATION, drug therapy/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ *DISSEMINATED INTRAVASCULAR COAGULATION, therapy/ DRUG THERAPY, COMBINATION/ FEMALE/ HEPARIN, therapeutic use/ HUMAN/ LEUKEMIA, MYELOBLASTIC, complications/ *LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, mortality/ MALE/ MIDDLE AGE/ PLASMA/ PRECIPITATION/ *PREDNISONE, therapeutic use/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

694. **Collins PM, Collins WP, McNeilly AS, et al:** Plasma FSH, LH and testosterone levels in the male rat during degeneration of the germinal epithelium caused by severe heat treatment or ligation of the vasa efferentia. J Reprod Fertil 54(2):285-91, Nov 78
ANIMAL/ EPITHELIUM, metabolism/ EPITHELIUM, pathology/ FRUCTOSE, metabolism/ *FSH, blood/ *HEAT/ *LH, blood/ MALE/ ORGAN WEIGHT/ RATS/ SPERMATOGENESIS/ TESTIS, metabolism/ TESTIS, pathology/ *TESTIS, physiology/ *TESTOSTERONE, blood

695. **Colman OD, Stockert JC:** Observations on the nucleolar staining by ethanolic phosphotungstic acid. Microsc Acta 81(1):27-30, Sep 78
ALCOHOL, ETHYL/ ANIMAL/ *CELL NUCLEOLUS, ultrastructure/ MALE/ MICE/ *PHOSPHOTUNGSTIC ACID/ *SERTOLI CELLS,

ultrastructure/ STAINS AND STAINING

696. **Colman RW:** Platelet function in thrombosis and atherosclerosis. Adv Exp Med Biol 104:421–36, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADENYL CYCLASE, blood/ ATHEROSCLEROSIS, blood/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CELL MEMBRANE, metabolism/ CLOFIBRATE, pharmacodynamics/ HALOFENATE, pharmacodynamics/ HUMAN/ HYPERCHOLESTEREMIA, blood/ *HYPERLIPEMIA, blood/ LIPOPROTEINS, LDL, blood/ THROMBOSIS, blood

697. **Colombo JA:** Sex differences in prolactin release after stimulation of the preoptic–suprachiasmatic region at selected pulse frequencies in castrated rats. Exp Neurol 61(2):455–64, 1 Sep 78
ANIMAL/ CASTRATION/ ELECTRIC STIMULATION, methods/ FEMALE/ *HYPOTHALAMUS, physiology/ LH, secretion/ MALE/ *PREOPTIC AREA, physiology/ *PROLACTIN, secretion/ RATS/ SEX FACTORS/ *SUPRAOPTIC NUCLEUS, physiology

698. **Combarnous Y, Nabedryk-Viala E:** Porcine lutropin: a study of the association of its subunits by hydrogen–deuterium exchange. Biochem Biophys Res Commun 84(4):1119–24, 30 Oct 78
DEUTERIUM/ HYDROGEN/ KINETICS/ *LH/ MACROMOLECULAR SYSTEMS/ SPECTROPHOTOMETRY, INFRARED/ SWINE

699. **Combaire F:** Extra testicular factors in male infertility. Acta Clin Belg 33(3):181–8, 1978
EPIDIDYMITIS, complications/ *GENITAL DISEASES, MALE, complications/ GENITAL DISEASES, MALE, diagnosis/ HUMAN/ MALE/ PROSTATITIS, complications/ SCROTUM, blood supply/ *STERILITY, MALE, etiology/ TESTIS, blood supply/ VARICOCELE, complications

700. **Conde S, Madroñero R, Fernández-Tomé MP, et al:** Effects of thiophene analogues of chloroamphetamines on central serotonergic mechanisms. J Med Chem 21(9):978–81, Sep 78
P-CHLOROAMPHETAMINE, analogs & derivatives/ *P-CHLOROAMPHETAMINE, chemical synthesis/ P-CHLOROAMPHETAMINE, pharmacodynamics/ *AMPHETAMINES, chemical synthesis/ ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ IN VITRO/ MICE/ MICE, INBRED ICR/ MONOAMINE OXIDASE INHIBITORS/ MOTOR ACTIVITY, drug effects/ RATS/ *SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ THIOPHENES, chemical synthesis/ THIOPHENES, pharmacodynamics

701. **Conklin M, Klint K, Morway A, et al:** Should health teaching include self-examination of the testes? Am J Nurs 78(12):2073–4, Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *HEALTH EDUCATION/ HUMAN/ MALE/ MIDDLE AGE/ *PHYSICAL EXAMINATION/ *TESTICULAR DISEASES, diagnosis/ TESTICULAR NEOPLASMS, diagnosis

702. **Connolly JF, Hahn H, Davy D:** Fracture healing in weight-bearing and nonweight-bearing bones. J Trauma 18(11):766–70, Nov 78
ANIMAL/ *BIOMECHANICS/ BONE AND BONES, analysis/ BONE AND BONES, pathology/ CALLUS, analysis/ CALLUS, physiopathology/ DOGS/ FRACTURES, pathology/ *FRACTURES, physiopathology/ RADIUS FRACTURES/ RIB FRACTURES, physiopathology/ WOUND HEALING

703. **Connor G, Bennett CM, Lindstrom RR, et al:** Juxtaglomerular cell tumor. Nephron 21(6):325–33, 1978
ADOLESCENCE/ BLOOD PRESSURE/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *HEMANGIOPERICYTOMA, pathology/ HUMAN/ HYPERTENSION, etiology/ *JUXTAGLOMERULAR APPARATUS/ *KIDNEY NEOPLASMS, pathology/ RENIN, blood

704. **Constantopoulos A, Karpouzas A, Xypolita A, et al:** Nonhormonal case of adrenal cortical carcinoma [letter] Arch Dis Child 53(10):827, Oct 78
ADRENAL CORTEX HORMONES, metabolism/ *ADRENAL CORTEX NEOPLASMS, metabolism/ *CARCINOMA, metabolism/ CASE REPORT/ FEMALE/ HUMAN/ INFANT

705. **Conte FA, Grumbach MM:** Estrogen use in children and adolescents: a survey. Pediatrics 62(6 Pt 2):1091–7, Dec 78
ADOLESCENCE/ *BODY HEIGHT/ CHILD/ CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, therapeutic use/ DIETHYLSTILBESTROL, therapeutic use/ ESTRADIOL, therapeutic use/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN

706. **Cook B, Hunter RH:** Systemic and local hormonal requirements for implantation in domestic animals. J Reprod Fertil 54(2):471–82, Nov 78 (111 ref.)
ANIMAL/ ANIMALS, DOMESTIC, metabolism/ *ANIMALS, DOMESTIC, physiology/ BLASTOCYST, metabolism/ BLASTOCYST, physiology/ CATTLE, physiology/ CORPUS LUTEUM MAINTENANCE/ EMBRYO, metabolism/ EMBRYO, physiology/ *HORMONES, metabolism/ *NIDATION/ PRENIDATION PHASE, ANIMAL/ PROTEINS, metabolism/ REVIEW/ SHEEP, physiology/ SWINE, physiology/ UTERUS, metabolism/ ZINC, metabolism

707. **Cooke RT:** Thyroid disease and pregnancy [letter] Br Med J 2(6148):1370, 11 Nov 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *MYXEDEMA, etiology/ *PREGNANCY COMPLICATIONS/ PREGNANCY

708. **Cooper W:** Don't write us off as neurotics. Nurs Mirror 147(24):21–2, 14 Dec 78
*DEPRESSION, nursing/ DEPRESSION, psychology/ ESTROGENS, physiology/ HUMAN/ MALE/ *NEUROSES, nursing/ NEUROSES, psychology/ PHYSICIAN-PATIENT RELATIONS/ SEX FACTORS/ *WOMEN

709. **Cooperman C, Weinstein SA:** Contraceptive counselor's dilemma: safety or effectiveness? J Sex Res 14(3):145–50, Aug 78
CONTRACEPTIVES, ORAL, adverse effects/ *COUNSELING/ *FAMILY PLANNING/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, adverse effects

710. **Coote JH, Macleod VH, Martin IL:** Bulbospinal tryptaminergic neurones. A search for the role of bulbospinal tryptaminergic neurones in the control of sympathetic activity. Pfluegers Arch 377(1):109–16, 18 Oct 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ CATS/ ELECTRIC STIMULATION/ NEURONS, drug effects/ *NEURONS, physiology/ PERIPHERAL NERVES, physiology/ REFLEX/ SEROTONIN, physiology/ SPINAL CORD, drug effects/ *SPINAL CORD, physiology/ *TRYPTAMINES, physiology/ 5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics

711. **Coovadia YM:** Primary testicular tumours among White, Black and Indian patients. S Afr Med J 54(9):351–2, 26 Aug 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CAUCASOID RACE/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ *DYSGERMINOMA, occurrence/ HUMAN/ INDIA, ethnology/ INFANT/ MALE/ MIDDLE AGE/ *NEGROID RACE/ SOUTH AFRICA/ *TERATOID TUMOR, occurrence/ *TESTICULAR NEOPLASMS, occurrence

712. **Cope O:** Endocrine surgery. Surg Clin North Am 58(5):957–66, Oct 78
AUSTRIA/ *ENDOCRINE DISEASES, surgery/ FEMALE/ GOITER, surgery/ GOITER, EXOPHTHALMIC, surgery/ GOITER, EXOPHTHALMIC, therapy/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERPARATHYROIDISM, surgery/ HYPERTHYROIDISM, surgery/ MALE/ PARATHYROID GLANDS, surgery/ PSYCHOTHERAPY/ *SURGERY, history/ THYROID GLAND, surgery/ UNITED STATES

713. **Copley AL:** Platelets and physiological defense mechanisms. pp. 161–97.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978.

WH 300 I624p 1977. (88 ref.)
ADRENALECTOMY/ ANIMAL/ BIOLOGICAL TRANSPORT/ BLOOD COAGULATION TESTS/ BLOOD COAGULATION/ BLOOD PLATELETS, immunology/ *BLOOD PLATELETS, physiology/ CAPILLARIES, physiology/ CAPILLARY PERMEABILITY/ ENDOTHELIUM, physiology/ ENDOTOXINS, physiology/ FATS, physiology/ HEMOSTASIS/ HUMAN/ MONOGRAPH/ MYCOBACTERIUM, physiology/ PHAGOCYTOSIS/ PLATELET AGGREGATION/ RABBITS/ RATS/ REVIEW/ SEROTONIN, physiology/ SYMPATHECTOMY/ THROMBOCYTOPATHY, blood/ VASOCONSTRICTION

714. **Coppen A, Ghose K:** Peripheral alpha-adrenoreceptor and central dopamine receptor activity in depressive patients. Psychopharmacology (Berlin) 59(2):171-7, 31 Oct 78
ADULT/ AMITRIPTYLINE, therapeutic use/ BLOOD PRESSURE, drug effects/ DEPRESSION, drug therapy/ *DEPRESSION, physiopathology/ FEMALE/ HUMAN/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PROLACTIN, blood/ *RECEPTORS, ADRENERGIC, physiology/ *RECEPTORS, ADRENERGIC, ALPHA, physiology/ *RECEPTORS, DOPAMINE, physiology/ TYRAMINE, pharmacodynamics/ 2-BROMOERGOCRYPTINE, pharmacodynamics

715. **Corbin A, Beattie CW, Tracy J, et al:** The anti-reproductive pharmacology of LH-RH and agonistic analogues. Int J Fertil 23(2):81-92, 1978
ANIMAL/ CONTRACEPTIVE AGENTS, FEMALE/ *CONTRACEPTIVES, POSTCOITAL/ *CONTRACEPTIVES, POSTCOITAL, HORMONAL/ *CONTRACEPTIVES, POSTCOITAL, SYNTHETIC/ FEMALE/ FERTILITY, drug effects/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *OVULATION INDUCTION/ PREGNANCY/ RATS/ *REPRODUCTION, drug effects/ SEX MATURATION, drug effects/ UTERUS, drug effects/ VAGINAL SMEARS

716. **Corbino N:** On the contraceptive action of anti-HCG antibodies in the rat in early pregnancy. Acta Eur Fertil 9(2):121-7, Jun 78 **(Eng, Ita)**
ANIMAL/ *ANTI-ANTIBODIES/ FEMALE/ *GONADOTROPINS, CHORIONIC, immunology/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS

717. **Corenblum B, Taylor PJ:** Prediction of response to ergocryptine in the galactorrhea-amenorrhea syndrome. Fertil Steril 30(4):388-92, Oct 78
ADULT/ *AMENORRHEA, drug therapy/ *ERGOCRYPTINE, therapeutic use/ *ERGOTOXINE, therapeutic use/ FEMALE/ *GALACTORRHEA, drug therapy/ HUMAN/ *LACTATION DISORDERS, drug therapy/ PITUITARY FUNCTION TESTS/ PROGNOSIS/ *PROLACTIN, blood/ SELLA TURCICA, anatomy & histology

718. **Corneo G:** Satellite DNAs in eukaryotes: a non-adaptive mechanism of speciation which originated with sexual reproduction? Experientia 34(9):1141-2, 15 Sep 78
ANIMAL/ *DNA, genetics/ *DNA, SATELLITE, genetics/ EUKARYOTIC CELLS, physiology/ EVOLUTION/ HUMAN/ *REPRODUCTION/ *SEX CHROMOSOMES, physiology/ STERILITY, familial & genetic

719. **Corrent G, McAdoo DJ, Eskin A:** Serotonin shifts the phase of the circadian rhythm from the Aplysia eye. Science 202(4371):977-9, 1 Dec 78
ANIMAL/ APLYSIA/ *CIRCADIAN RHYTHM, drug effects/ DOPAMINE, pharmacodynamics/ EYE, metabolism/ *EYE, physiology/ HYDROXYTRYPTOPHAN, pharmacodynamics/ IN VITRO/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

720. **Cortés A, Merino G, Contreras E:** Effect of fluoxetine (Lilly II0I40) on serotonin, noradrenaline and acetylcholine in isolated organs. Cell Mol Biol 23(2):179-82, 1978
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ FEMALE/ *FLUOXETIN, pharmacodynamics/ *HEART ATRIUM, drug effects/ *INTESTINE, SMALL, drug effects/ MALE/ MUSCLE CONTRACTION, drug effects/ MYOCARDIAL CONTRACTION, drug effects/ *NOREPINEPHRINE, pharmacodynamics/ ORGAN SPECIFICITY/ *PROPYLAMINES, pharmacodynamics/ RABBITS/ RATS/ *SEROTONIN, pharmacodynamics/ UTERINE CONTRACTION, drug effects/ *UTERUS, drug effects/ *VAS DEFERENS, drug effects

721. **Cospite M, Lo Presti T, Ferrara F, et al:** Influenza dell'oxprenololo sull'attività reninica plasmatica nell'ipertensione arteriosa essenziale. Boll Soc Ital Cardiol 22(3):335-9, 1977 (Eng. Abstr.) **(Ita)**
ADULT/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HEMODYNAMICS, drug effects/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ MIDDLE AGE/ *OXPRENOLOL, therapeutic use/ *RENIN, blood

722. **Costa JL, Stark H, Shafer B, et al:** Maximal packet size for serotonin in storage vesicles of intact human platelets. Life Sci 23(22):2193-7, 27 Nov 78
*BLOOD PLATELETS, metabolism/ CARBON RADIOISOTOPES, diagnostic use/ HUMAN/ IN VITRO/ MODELS, BIOLOGICAL/ OSMOLAR CONCENTRATION/ *SEROTONIN, blood/ SUBCELLULAR FRACTIONS, metabolism/ TRITIUM, diagnostic use

723. **Costa JL, Pettigrew KD, Murphy DL:** Electron probe microanalysis of changes in dense-body phosphorus and calcium content following alterations in platelet serotonin levels. Biochem Pharmacol 28(1):23-6, 1979
ANTIMYCIN A, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ *CALCIUM, blood/ DEOXYGLUCOSE, pharmacodynamics/ ELECTRON PROBE MICROANALYSIS/ HUMAN/ IN VITRO/ LASALOCID, pharmacodynamics/ *PHOSPHORUS, blood/ *SEROTONIN, blood/ SEROTONIN, pharmacodynamics/ THROMBIN, pharmacodynamics/ TIME FACTORS

724. **Costa JL, Murphy DL, Smith MA:** Comparison of the X537A-induced ionophoric removal of serotonin and tryptamine from intact human platelets. Res Commun Chem Pathol Pharmacol 22(1):27-36, Oct 78
*ANTIBIOTICS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ BLOOD PLATELETS, ultrastructure/ CHEMISTRY/ COMPARATIVE STUDY/ HUMAN/ IN VITRO/ *LASALOCID, pharmacodynamics/ *SEROTONIN, blood/ *TRYPTAMINES, blood

725. **Costa M:** Cyclic AMP-dependent regulation of ornithine decarboxylase activity in Chinese hamster ovary cells maintained with a salts/glucose medium. J Cyclic Nucleotide Res 4(5):375-87, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ ASPARAGINE, pharmacodynamics/ *CARBOXY-LYASES, metabolism/ CELLS, CULTURED/ CRICETULUS/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HAMSTERS/ *ORNITHINE DECARBOXYLASE, metabolism/ OVARY, enzymology/ STIMULATION, CHEMICAL/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

726. **Costain DW, Green AR:** beta-Adrenoceptor antagonists inhibit the behavioural responses of rats to increased brain 5-hydroxytryptamine. Br J Pharmacol 64(2):193-200, Oct 78
*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ *BRAIN CHEMISTRY, drug effects/ CORPUS STRIATUM, drug effects/ DRUG INTERACTIONS/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ METHAMPHETAMINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ SUBSTANTIA NIGRA, drug effects/ TRANYLCYPROMINE, pharmacodynamics/ TRYPTAMINES, pharmacodynamics/ TRYPTOPHAN, pharmacodynamics

727. **Costanzi JJ, Young BK, Carmel R:** Serum vitamin B12 and

B12-binding protein levels associated with oral contraceptives. Tex Rep Biol Med 36:69–77, 1978
ANEMIA, HYPOCHROMIC, blood/ *BLOOD PROTEINS, analysis/ *CARRIER PROTEINS, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ LEUKOCYTE COUNT/ TRANSCOBALAMINS, analysis/ *VITAMIN B 12, blood

728. **Costanzo LS, Windhager EE:** Calcium and sodium transport by the distal convoluted tubule of the rat. Am J Physiol 235(5):F492–506, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CHLOROTHIAZIDE, pharmacodynamics/ *KIDNEY TUBULES, metabolism/ *KIDNEY TUBULES, DISTAL, metabolism/ MALE/ MEMBRANE POTENTIALS/ RATS/ *SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

729. **Cote TE, Kebabian JW:** Beta-adrenergic receptor in the brain: comparison of 3H-dihydroalprenolol binding sites and a beta-adrenergic receptor regulating adenylyl cyclase activity in cell free homogenates. Life Sci 23(16):1703–13, 23 Oct 78
*ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ *ALPRENOLOL, analogs & derivatives/ ALPRENOLOL, metabolism/ ANIMAL/ *BRAIN, metabolism/ CELL-FREE SYSTEM/ CEREBELLUM, metabolism/ COMPARATIVE STUDY/ FEMALE/ RABBITS/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, BETA, drug effects/ RECEPTORS, ADRENERGIC, BETA, metabolism/ *RECEPTORS, ADRENERGIC, BETA, physiology/ STIMULATION, CHEMICAL/ TIME FACTORS

730. **Cotes PM, Crow TJ, Johnstone EC, et al:** Neuroendocrine changes in acute schizophrenia as a function of clinical state and neuroleptic medication. Psychol Med 8(4):657–65, Nov 78
ACUTE DISEASE/ CHLORPROMAZINE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG THERAPY, COMBINATION/ *FLUPENTHIXOL, therapeutic use/ FSH, blood/ HUMAN/ LH, blood/ ORPHENADRINE, therapeutic use/ PROLACTIN, blood/ *RECEPTORS, DOPAMINE, drug effects/ *SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, drug therapy/ SOMATOTROPIN, blood/ TESTOSTERONE, blood/ *THIOXANTHENES, therapeutic use

731. **Cottafava F, Bertolotto M, Brida di Priò S, et al:** Aspetti immunitari della artrite reumatoide. Minerva Pediatr 30(22):1751–60, 30 Nov 78 **(Ita)**
ADOLESCENCE/ *ANTINUCLEAR FACTORS/ ANTINUCLEAR FACTORS, analysis/ ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ *ARTHRITIS, JUVENILE RHEUMATOID, immunology/ *ARTHRITIS, RHEUMATOID, immunology/ ASPIRIN, therapeutic use/ B-LYMPHOCYTES, immunology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEMAGGLUTINATION TESTS/ HUMAN/ *IMMUNOGLOBULINS/ IMMUNOGLOBULINS, analysis/ INDOMETHACIN, therapeutic use/ LATEX FIXATION TESTS/ *LYMPHOCYTES, immunology/ MALE/ METHYLPREDNISOLONE, therapeutic use/ *RHEUMATOID FACTOR/ RHEUMATOID FACTOR, analysis/ ROSETTE FORMATION/ T-LYMPHOCYTES, immunology

732. **Couch JR Jr, Ziegler DK:** Prednisone therapy for cluster headache. Headache 18(4):219–21, Sep 78
ADULT/ AGED/ *CLUSTER HEADACHE, drug therapy/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ *VASCULAR HEADACHE, drug therapy

733. **Coulombe P, Schwartz HL, Oppenheimer JH:** Relationship between the accumulation of pituitary growth hormone and nuclear occupancy by triiodothyronine in the rat. J Clin Invest 62(5):1020–8, Nov 78
ANIMAL/ CELL NUCLEUS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ MALE/ *PITUITARY GLAND, metabolism/ RATS/ RECEPTORS, HORMONE, metabolism/ *SOMATOTROPIN, biosynthesis/ TRIIODOTHYRONINE, metabolism/ *TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

734. **Coupland RE, Kent C, Kobayashi S:** Amine turnover and the effects of insulin hypoglycaemia on small-granule chromaffin (SGC) cells of the mouse adrenal medulla. pp. 86–96. In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.
ADRENAL MEDULLA, metabolism/ *ADRENAL MEDULLA, ultrastructure/ ANIMAL/ CYTOPLASMIC GRANULES, metabolism/ CYTOPLASMIC GRANULES, ultrastructure/ *EPINEPHRINE, metabolism/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, metabolism/ HYPOGLYCEMIA, pathology/ INSULIN/ MICE/ MONOGRAPH/ *NOREPINEPHRINE, metabolism

735. **Courtney KR, Colwell WT, Jensen RA:** Prostaglandins and pacemaker activity in isolated guinea pig SA node. Prostaglandins 16(3):451–9, Sep 78
ANIMAL/ COMPARATIVE STUDY/ GUINEA PIGS/ INDOMETHACIN, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDINS A, administration & dosage/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, administration & dosage/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, administration & dosage/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ *SINOATRIAL NODE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

736. **Coutinho E, da Silva AR, Mattos CE, et al:** Contraception with long acting subdermal implants: I. An effective and acceptable modality in international clinical trials. Contraception 18(4):315–33, Oct 78
ADOLESCENCE/ ADULT/ BODY WEIGHT/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG IMPLANTS/ FEMALE/ HUMAN/ INTERNATIONAL COOPERATION/ INTRAUTERINE DEVICES, COPPER/ *MEGESTROL, pharmacodynamics/ NORGESTREL, adverse effects/ *NORGESTREL, pharmacodynamics/ NORGESTRIENONE, adverse effects/ *NORGESTRIENONE, pharmacodynamics/ *NORPREGNATRIENES, pharmacodynamics/ PREGNANCY/ TIME FACTORS

737. **Coutinho E, da Silva AR, Mattos CE, et al:** Contraception with long acting subdermal implants: II. Measured and perceived effects in international clinical trials. Contraception 18(4):335–53, Oct 78
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ BODY WEIGHT/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG IMPLANTS/ FEMALE/ HEMOGLOBINS/ HUMAN/ *INTERNATIONAL COOPERATION/ INTRAUTERINE DEVICES, COPPER, adverse effects/ MENSTRUATION, drug effects/ NORGESTREL, adverse effects/ *NORGESTREL, pharmacodynamics/ NORGESTRIENONE, adverse effects/ *NORGESTRIENONE, pharmacodynamics/ *NORPREGNATRIENES, pharmacodynamics/ TIME FACTORS

738. **Coutinho E:** Clinical experience with implant contraception. Contraception 18(4):411–27, Oct 78
CAPSULES/ *CONTRACEPTIVE AGENTS, FEMALE, pharmacodynamics/ FEMALE/ HUMAN/ LYNESTRENOL, pharmacodynamics/ MEGESTROL, pharmacodynamics/ MENSTRUATION, drug effects/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ NORGESTRIENONE, pharmacodynamics/ NORPROGESTERONES, pharmacodynamics/ *SILICONE ELASTOMERS

739. **Cove-Smith JR, Knapp MS, Pownall R, et al:** The time of steroid therapy [proceedings] Br J Pharmacol 64(3):457P, Nov 78
*ADRENAL CORTEX HORMONES, administration

& dosage/ DRUG ADMINISTRATION SCHEDULE/ HUMAN/ TIME FACTORS

740. **Cowden EA, Ratcliffe WA, Ratcliffe JG, et al:** Hyperprolactinaemia in renal disease. Clin Endocrinol (Oxf) 9(3):241–8, Sep 78
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ *KIDNEY DISEASES, blood/ KIDNEY DISEASES, drug therapy/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FUNCTION TESTS/ KIDNEY, blood supply/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ RADIOIMMUNOASSAY

741. **Cowell HR, Clark CE:** Cytogenetic abnormalities in orthopedic patients. Clin Orthop (135):4–14, Sep 78
*ABNORMALITIES, MULTIPLE, familial & genetic/ AUTOSOME ABNORMALITIES, familial & genetic/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, familial & genetic/ CHROMOSOME DELETION/ CHROMOSOMES, HUMAN, 16–18/ CHROMOSOMES, HUMAN, 21–22/ DOWN'S SYNDROME, familial & genetic/ FEMALE/ HUMAN/ KARYOTYPING/ MALE/ MOSAICISM/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ TRANSLOCATION (GENETICS)/ TRISOMY

742. **Cowin SC, Van Buskirk WC:** Internal bone remodeling induced by a medullary pin. J Biomech 11(5):269–75, 1978
*BONE AND BONES, physiopathology/ *FRACTURE FIXATION, INTRAMEDULLARY/ HUMAN/ MATHEMATICS/ STRESS, MECHANICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

743. **Cox B, Kerwin R, Lee TF:** Dopamine receptors in the central thermoregulatory pathways of the rat. J Physiol (Lond) 282:471–83, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ APOMORPHINE, pharmacodynamics/ *BODY TEMPERATURE REGULATION/ BODY TEMPERATURE REGULATION, drug effects/ DOPAMINE, administration & dosage/ DOPAMINE, pharmacodynamics/ HALOPERIDOL, pharmacodynamics/ HYPOTHALAMUS/ IN VITRO/ INJECTIONS/ MALE/ PIMOZIDE, pharmacodynamics/ PREOPTIC AREA, metabolism/ RATS/ *RECEPTORS, DOPAMINE, physiology/ SKIN TEMPERATURE, drug effects

744. **Cox JE, Neal PA, Edwards GB:** Suprapubic paramedian laparotomy for equine abdominal cryptorchidism [letter] J Am Vet Med Assoc 173(6):680, 682, 15 Sep 78
ANIMAL/ CRYPTORCHISM, surgery/ *CRYPTORCHISM, veterinary/ *HORSE DISEASES, surgery/ HORSES/ *LAPAROTOMY, veterinary/ MALE

745. **Cox R, Masson WK:** Do radiation-induced thioguanine-resistant mutants of cultured mammalian cells arise by HGPRT gene mutation or X-chromosome rearrangement? Nature 276(5688):629–30, 7 Dec 78
CELLS, CULTURED/ CHROMOSOME ABERRATIONS/ CHROMOSOME DELETION/ *DRUG RESISTANCE, radiation effects/ GENES, STRUCTURAL/ GLUCOSEPHOSPHATE DEHYDROGENASE, genetics/ HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE, deficiency/ *HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE, genetics/ MUTATION, radiation effects/ *SEX CHROMOSOMES, radiation effects/ *THIOGUANINE, pharmacodynamics/ *X CHROMOSOME, radiation effects/ X CHROMOSOME, ultrastructure

746. **Cox RF:** Chromatin-associated ribonucleases are activated by estradiol in chick oviduct. J Steroid Biochem 9(8):697–702, Aug 78
ANIMAL/ CHICKENS/ CHROMATIN, drug effects/ *CHROMATIN, enzymology/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MOLECULAR WEIGHT/ OVIDUCTS, drug effects/ *OVIDUCTS, enzymology/ *RIBONUCLEASE, metabolism/ TRANSCRIPTION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

747. **Cox VS, Wallace LJ, Jessen CR:** An anatomic and genetic study of canine cryptorchidism. Teratology 18(2):233–40, Oct 78
ANIMAL/ CRYPTORCHISM, familial & genetic/ *CRYPTORCHISM, veterinary/ *DOG DISEASES, familial & genetic/ DOGS/ INBREEDING/ MALE/ PEDIGREE/ RETROSPECTIVE STUDIES/ *TESTIS, pathology/ TIME FACTORS

748. **Coy DH, Schally AV:** Gonadotrophin releasing hormone analogues. Ann Clin Res 10(3):139–44, 1978
ANIMAL/ CHEMISTRY/ FEMALE/ HUMAN/ LH, secretion/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, antagonists & inhibitors/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ OVULATION, drug effects/ RATS

749. **Craik JC:** The effects of oestrogen treatment on certain plasma constituents associated with vitellogenesis in the elasmobranch Scyliorhinus canicula L. Gen Comp Endocrinol 35(4):455–64, Aug 78
ANIMAL/ BLOOD PROTEINS, metabolism/ CALCIUM, blood/ *DOGFISH, blood/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ LIPIDS, blood/ *LIPOPROTEINS, biosynthesis/ MALE/ OOGENESIS, drug effects/ PHOSPHOLIPIDS, blood/ PHOSPHOPROTEINS, blood/ *SHARKS, blood/ TIME FACTORS/ *VITELLOGENIN, biosynthesis

750. **Cramer H, Hammers R, Maier P, et al:** Cyclic 3',5'-adenosine monophosphate in the choroid plexus: stimulation by cholera toxin. Biochem Biophys Res Commun 84(4):1031–7, 30 Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CHOLERA TOXIN, pharmacodynamics/ CHOROID PLEXUS, drug effects/ *CHOROID PLEXUS, metabolism/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MALE/ PROSTAGLANDINS E, pharmacodynamics/ PROTEIN DENATURATION/ RABBITS

751. **Crane MG, Harris JJ, Winsor W 3d:** Hypertension and oral contraceptives [letter] Br Med J 2(6145):1165, 21 Oct 78
ALDOSTERONE, secretion/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ MINERALOCORTICOIDS/ RENIN, secretion

752. **Crane MG, Harris JJ:** Estrogens and nypertension: effect of discontinuing estrogens on blood pressure, exchangeable sodium, and the renin-aldosterone system. Am J Med Sci 276(1):33–55, Jul-Aug 78
ADULT/ ALDOSTERONE, metabolism/ *ALDOSTERONE, physiology/ BLOOD PRESSURE, drug effects/ CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ DIETHYLSTILBESTROL, adverse effects/ ESTROGENIC SUBSTANCES, CONJUGATED, adverse effects/ *ESTROGENS, adverse effects/ ESTROGENS, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ HYPERTENSION, drug therapy/ HYPERTENSION, therapy/ MIDDLE AGE/ RECURRENCE/ *RENIN, physiology/ *SODIUM, metabolism/ SPIRONOLACTONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

753. **Cranley MS:** Fetal and maternal monitoring: antepartal fetal assessment. Am J Nurs 78(12):2098–2120, Dec 78
AMNIOTIC FLUID, analysis/ FEMALE/ *FETAL MONITORING/ FETUS, physiology/ GENETIC SCREENING/ HUMAN/ PLACENTA, physiology/ PREGNANCY/ *PRENATAL CARE/ RH-HR BLOOD-GROUP SYSTEM/ ULTRASONICS, diagnostic use

754. **Craven PA, DeRubertis FR:** Restoration of the responsiveness of purified guanylate cyclase to nitrosoguanidine, nitric oxide, and related activators by heme and hemeproteins. Evidence for involvement of the paramagnetic nitrosyl-heme complex in enzyme activation. J Biol Chem 253(23):8433–43, 10 Dec 78
ANIMAL/ DITHIOTHREITOL, pharmacodynamics/ ELECTRON SPIN RESONANCE/ ENZYME ACTIVATION/ *FERRICYANIDES, pharmacodynamics/ GUANYL CYCLASE, isolation & purification/ *GUANYL CYCLASE, metabolism/ *HEME, pharmacodynamics/ KINETICS/ *LIVER, enzymology/ MALE/ *METHYLNITRONITROSOGUANIDINE, pharmacodynamics/ *NITRIC OXIDE,

pharmacodynamics/ *NITRITES, pharmacodynamics/ *NITROPRUSSIDE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

755. **Craviso GL, Musacchio JM:** Inhibition of enkephalin degradation in the guinea pig ileum. Life Sci 23(20):2019–29, 13 Nov 78
ANIMAL/ CHROMATOGRAPHY, GEL/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ GUINEA PIGS/ ILEUM, drug effects/ *ILEUM, enzymology/ IN VITRO/ MALE/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, enzymology/ PEPTIDE HYDROLASES, metabolism/ PROTEASE INHIBITORS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

756. **Crawford JD:** Treatment of tall girls with estrogen. Pediatrics 62(6 Pt 2):1189–95, Dec 78
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ *BODY HEIGHT/ CHILD/ *DIETHYLSTILBESTROL, therapeutic use/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENSTRUATION/ NORETHINDRONE, therapeutic use

757. **Crawford JP:** The anatomy of emotion. Med Hypotheses 4(4):311–23, Jul–Aug 78
AUTONOMIC NERVOUS SYSTEM, physiology/ CONVULSIONS, physiopathology/ *EMOTIONS, physiology/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ MEMORY, physiology/ PAIN, physiopathology/ PSYCHOLOGICAL THEORY/ RETICULAR FORMATION, physiology/ SELF STIMULATION, physiology

758. **Cremer-Bartels G:** Age dependence of melatonin biosynthesis in rat retina. pp. 46–50.
In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.
ADAPTATION, OCULAR/ AGE FACTORS/ AGING/ ANIMAL/ FEMALE/ LIGHT/ MALE/ *MELATONIN, biosynthesis/ MONOGRAPH/ RATS/ *RETINA, metabolism/ RETINA, physiology

759. **Crespo V, Ramírez G, Lendoyro A:** Síndrome de Sézary. Aspectos clínicos, hematológicos y evolutivos.
Actas Dermosifiliogr 69(7–8):197–208, Jul–Aug 78 **(Spa)**
CASE REPORT/ CHLORAMBUCIL, administration & dosage/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ SEZARY SYNDROME, blood/ *SEZARY SYNDROME, diagnosis/ SEZARY SYNDROME, drug therapy

760. **Crilly R, Cawood M, Marshall DH, et al:** Hormonal status in normal, osteoporotic and corticosteroid-treated postmenopausal women. J R Soc Med 71(10):733–6, Oct 78
*ADRENAL CORTEX HORMONES, therapeutic use/ *ANDROSTENEDIONE, blood/ COMPARATIVE STUDY/ CREATININE, urine/ *ESTRONE, blood/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ *MENOPAUSE/ MENOPAUSE, drug effects/ MIDDLE AGE/ *OSTEOPOROSIS, blood

761. **Crisp AH:** Some aspects of the relationship between body weight and sexual behaviour with particular reference to massive obesity and anorexia nervosa. Int J Obes 2(1):17–32, 1978
ADOLESCENCE/ ADULT/ AMENORRHEA, psychology/ ANOREXIA NERVOSA, blood/ *ANOREXIA NERVOSA, psychology/ *BODY WEIGHT/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MALE/ OBESITY, blood/ OBESITY, diet therapy/ *OBESITY, psychology/ PSYCHOPATHOLOGY/ PSYCHOSEXUAL DEVELOPMENT/ *SEX BEHAVIOR/ STERILITY, psychology

762. **Crisp AH:** Some psychobiological aspects of adolescent growth and their relevance for the fat/thin syndrome (anorexia nervosa). Int J Obes 1(3):231–8, 1977
ADOLESCENCE/ ADULT/ ANOREXIA NERVOSA, occurrence/ *ANOREXIA NERVOSA, psychology/ ATTITUDE/ *BODY WEIGHT/ *CHILD DEVELOPMENT/ COMPARATIVE STUDY/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MALE/ SCANDINAVIA/ SEX FACTORS

763. **Crnic LS, Chase HP:** Models of infantile undernutrition in rats: effects on milk. J Nutr 108(11):1755–60, Nov 78
ANIMAL NUTRITION/ ANIMAL/ ANIMALS, SUCKLING/ *DISEASE MODELS, ANIMAL/ FEMALE/ *INFANT NUTRITION DISORDERS/ LACTATION/ MALE/ *MILK, analysis/ *NUTRITION DISORDERS/ *RATS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

764. **Crocker AD, Walker R, Wilson KA:** Prostaglandins and the contractile action of bradykinin on the longitudinal muscle of rat isolated ileum [proceedings] Br J Pharmacol 64(3):441P, Nov 78
ANIMAL/ *BRADYKININ, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ *PROSTAGLANDINS, physiology/ RATS

765. **Crocker EF, Jellins J, Freund J:** Parathyroid lesions localized by radionuclide subtraction and ultrasound. Radiology 130(1):215–7, Jan 79
*ADENOMA, diagnosis/ ADENOMA, radionuclide imaging/ ADULT/ CASE REPORT/ COMPARATIVE STUDY/ DIAGNOSTIC ERRORS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, radionuclide imaging/ MALE/ MIDDLE AGE/ *PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, radionuclide imaging/ SELENOMETHIONINE, diagnostic use/ TECHNETIUM, diagnostic use/ *ULTRASONICS, diagnostic use

766. **Crosignani PG, Reschini E, Lombroso GC, et al:** Comparison of placebo and bromocriptine in the treatment of patients with normoprolactinaemic amenorrhoea.
Br J Obstet Gynaecol 85(10):773–5, Oct 78
*AMENORRHEA, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ PLACEBOS/ PROGESTERONE, blood/ PROLACTIN, blood/ *2-BROMOERGOCRYPTINE, therapeutic use

767. **Croxatto HB, Diaz S, Pavez M:** Clinical chemistry in women treated with progestogen implants. Contraception 18(4):441–50, Oct 78
AMINOTRANSFERASES, blood/ CAPSULES/ CHOLESTEROL, blood/ *CONTRACEPTIVE AGENTS, FEMALE, pharmacodynamics/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ NORGESTREL, pharmacodynamics/ NORGESTRIENONE, pharmacodynamics/ PREGNANCY/ *PROGESTATIONAL HORMONES, pharmacodynamics/ *SILICONE ELASTOMERS

768. **Croxatto HB, Ortiz ME, Díaz S, et al:** Studies on the duration of egg transport by the human oviduct. II. Ovum location at various intervals following luteinizing hormone peak.
Am J Obstet Gynecol 132(6):629–34, 15 Nov 78
ADULT/ ENDOMETRIUM/ *FALLOPIAN TUBES, physiology/ FEMALE/ HUMAN/ *LH, blood/ *OVUM TRANSPORT/ TIME FACTORS

769. **Croyle PH, Oldcoyd JJ:** Incidental parathyroidectomy during thyroid surgery. Am Surg 44(9):559–63, Sep 78
ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, anatomy & histology/ *PARATHYROID GLANDS, injuries/ PARATHYROID GLANDS, surgery/ POSTOPERATIVE COMPLICATIONS/ *THYROID DISEASES, surgery/ *THYROIDECTOMY, adverse effects

770. **Csaba G, Sudár F:** Differentiation dependent alterations in lymphocytic triiodothyronine reception. Horm Metab Res 10(5):455–6, Sep 78
ANIMAL/ CELL DIFFERENTIATION/ LYMPHOCYTES, cytology/ *LYMPHOCYTES, metabolism/ RATS/ *RECEPTORS, HORMONE, metabolism/ THYMUS GLAND, cytology/ THYMUS GLAND, embryology/ *TRIIODOTHYRONINE, metabolism

771. **Culman J, Murgas K, Torda T, et al:** Dynamika zmien hladín sérotonínu v hypotalame, septe a amygdale u potkanov v strese. Bratisl Lek Listy 70(4):465–70, Oct 78 (Eng. Abstr.) **(Slo)**
*AMYGDALOID BODY, metabolism/ ANIMAL/

ENGLISH ABSTRACT/ *HYPOTHALAMUS, metabolism/ MALE/ RATS/ *SEPTUM PELLUCIDUM, metabolism/ *SEROTONIN, metabolism/ *STRESS, metabolism

772. **Cunningham M, Godfrey S, Moffat WM:** Cockayne's syndrome and emphysema. Arch Dis Child 53(9):722–5, Sep 78
AIRWAY OBSTRUCTION, complications/ ALPHA 1-ANTITRYPSIN, deficiency/ CASE REPORT/ CHILD, PRESCHOOL/ *DWARFISM, complications/ HUMAN/ MALE/ *MENTAL RETARDATION, complications/ PHENOTYPE/ *PULMONARY EMPHYSEMA, complications/ SYNDROME

773. **Cuparencu B, Csutak V, Bârzu T, et al:** Pharmacological properties of some androgenic steroid nitrates. Agressologie 19(1):39–58, 1978
ANIMAL/ *ANTI-INFLAMMATORY AGENTS/ CARDIOVASCULAR SYSTEM, drug effects/ CORONARY VESSELS, drug effects/ DOGS/ FEMALE/ MALE/ *NITRATES, pharmacodynamics/ PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ *STANOLONE, pharmacodynamics/ *TESTOSTERONE, analogs & derivatives/ *TESTOSTERONE, pharmacodynamics/ THYROID GLAND, drug effects/ VASODILATION, drug effects/ *4-CHLOROTESTOSTERONE, pharmacodynamics

774. **Curcio M, Catto E, Stramentinoli G, et al:** Effect of S-adenosyl-L-methionine on serotonin metabolism in rat brain. Prog Neuropsychopharmacol 2(1):65–71, 1978
ANIMAL/ BRAIN CHEMISTRY, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ HYDROXYINDOLEACETIC ACID, analysis/ MALE/ RATS/ RESERPINE, pharmacodynamics/ *S-ADENOSYLMETHIONINE, pharmacodynamics/ SEROTONIN, analysis/ *SEROTONIN, metabolism

775. **Currey HL:** The management of inflammation in rheumatic diseases. S Afr Med J 54(8):309–14, 19 Aug 78
ADRENAL CORTEX HORMONES, physiology/ ANALGESICS, ANTI-INFLAMMATORY, therapeutic use/ ANTI-INFLAMMATORY AGENTS, classification/ *ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, immunology/ ARTHRITIS, RHEUMATOID, pathology/ ARTHRITIS, RHEUMATOID, physiopathology/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ PROSTAGLANDIN ANTAGONISTS/ SLOW-REACTING SUBSTANCES, pharmacodynamics

776. **Curtis GC, Nesse R, Buxton M, et al:** Anxiety and plasma cortisol at the crest of the circadian cycle:reappraisal of a classical hypothesis. Psychosom Med 40(5):368–78, Aug 78
ADULT/ *ANXIETY, blood/ ANXIETY, prevention & control/ *CIRCADIAN RHYTHM/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PHOBIAS, blood/ PHOBIAS, therapy

777. **Cuthbertson DP:** Post-traumatic metabolism: a multidisciplinary challenge. Surg Clin North Am 58(5):1045–54, Oct 78
ANIMAL/ AUTOBIOGRAPHY/ BED REST/ BODY TEMPERATURE/ CURRENT BIOG-OBIT/ DIET/ *FRACTURES, metabolism/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ NITROGEN, urine/ OXYGEN CONSUMPTION/ PITUITARY GLAND, ANTERIOR/ RATS/ RESEARCH/ SULFUR, urine/ TEMPERATURE/ TISSUE EXTRACTS, pharmacodynamics/ WOUND HEALING/ WOUNDS AND INJURIES, history/ *WOUNDS AND INJURIES, metabolism/ WOUNDS AND INJURIES, urine

778. **(Cuthbertson DP), Cuthbertson DP:** Post-traumatic metabolism: a multidisciplinary challenge. Surg Clin North Am 58(5):1045–54, Oct 78
ANIMAL/ AUTOBIOGRAPHY/ BED REST/ BODY TEMPERATURE/ CURRENT BIOG-OBIT/ DIET/ *FRACTURES, metabolism/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ NITROGEN, urine/ OXYGEN CONSUMPTION/ PITUITARY GLAND, ANTERIOR/ RATS/ RESEARCH/ SULFUR, urine/ TEMPERATURE/ TISSUE EXTRACTS, pharmacodynamics/ WOUND HEALING/ WOUNDS AND INJURIES, history/ *WOUNDS AND INJURIES, metabolism/ WOUNDS AND INJURIES, urine

779. **Cylwik B, Grabowski H, Gula-Fietkiewicz E:** Pierwotny mięsak naczyniowy wątroby (haemangioendothelioma malignum) z przerzutami do płuc, nadnerczy i węzłów chłonnych. Pol Arch Med Wewn 60(2):183–7, Aug 78 (Eng. Abstr.) **(Pol)**
ADRENAL GLAND NEOPLASMS, pathology/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ *HEMANGIOENDOTHELIOMA, pathology/ HUMAN/ *LIVER NEOPLASMS, pathology/ LUNG NEOPLASMS, pathology/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM METASTASIS

780. **Cytawa J, Jurkowlaniec E:** Noradrenergic stimulation of the lateral hypothalamus as a reinforcement in T maze learning in rats. Acta Neurobiol Exp (Warsz) 38(4):209–13, 1978
ANIMAL/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, ANTERIOR, drug effects/ *HYPOTHALAMUS, ANTERIOR, physiology/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ *REINFORCEMENT (PSYCHOLOGY)

781. **Czech W, Jeske W, Kaniewski M, et al:** Endokrynologia ciąży. I. Badania poziomu trójjodotyroniny, tyroksyny, efektywnej tyroksyny, tyreotropiny i hormonu wzrostu w ciąży prawidłowej, w crasie porodu i we krwi pępowinowej. Ginekol Pol 49(11):963–9, Nov 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ *FETAL BLOOD, analysis/ HUMAN/ *LABOR/ *PREGNANCY/ *SOMATOTROPIN, blood/ *THYROID HORMONES, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

782. **Czernichow P, Pattin AM:** La vasopressine chez le nouveau-né: taux plasmatiques dans le sang du cordon et chez la mère. Ann Endocrinol (Paris) 39(3):225–6, 1978 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ FEMALE/ *FETAL BLOOD, analysis/ HUMAN/ *INFANT, NEWBORN/ *PREGNANCY/ *VASOPRESSINS, blood

D

783. **Dabbs JM Jr, Neuman MR:** Telemetry of human cerebral temperature. Psychophysiology 15(6):599–603, Nov 78
*BODY TEMPERATURE/ EAR CANAL/ HUMAN/ *HYPOTHALAMUS/ *TELEMETRY, instrumentation/ UNITED STATES GOV'T SUPPORTED, P.H.S.

784. **Daculsi G, Kerebel B, Kerebel LM:** A quantitative scanning electron microscope study of the effects of calcium and vitamin D deficiencies on the pig mandibular bone. J Dent Res 57(11–12):1043, Nov–Dec 78
ANIMAL/ *CALCIUM, deficiency/ COMPARATIVE STUDY/ MANDIBLE, ultrastructure/ *MANDIBULAR DISEASES, pathology/ MICROSCOPY, ELECTRON, SCANNING/ *OSTEOCYTES, ultrastructure/ SWINE/ *VITAMIN D DEFICIENCY, pathology

785. **Dahlem NW, Kinsman RA, Horton DJ:** Requests for as-needed medications by asthmatic patients. Relationships to prescribed oral corticosteroid regimens and length of hospitalization. J Allergy Clin Immunol 63(1):23–7, Jan 79
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANALYSIS OF VARIANCE/ *ASTHMA, drug therapy/ *BEHAVIOR/ FEMALE/ *HOSPITALIZATION/ HUMAN/ MALE/ MIDDLE AGE/ PANIC/ PRESCRIPTIONS, DRUG/ RESPIRATORY FUNCTION TESTS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

786. **Dahlheim H, Emrich HM:** Renin-like (angiotensinogenase) activity in human eccrine sweat. Pfluegers Arch 377(1):65–7, 18 Oct 78
*ANGIOTENSINASE, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ BLOOD PRESSURE, drug effects/ CARBACHOL, pharmacodynamics/ HUMAN/ KINETICS/ RATS/ *RENIN, metabolism/ SWEAT, drug effects/ *SWEAT, enzymology

787. **Dain AR, Bridge PS:** A chimaeric calf with XY/XXY mosaicism and intersexuality. J Reprod Fertil 54(1):197–201,

Sep 78
ANIMAL/ BLOOD GROUPS, genetics/ *CATTLE, genetics/ *HERMAPHRODITISM, familial & genetic/ MALE/ *MOSAICISM/ *SEX CHROMOSOMES

788. **Dainat J, Rebière A:** Correction of the biochemical effects of neonatal hypothyroidism by daily low doses of thyroxine. Comparative effects of hyperthyroidism and these corrections. Acta Neurol Scand 58(3):167–77, Sep 78
AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ CEREBELLUM, metabolism/ COMPARATIVE STUDY/ DNA, metabolism/ FEMALE/ *HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, metabolism/ MALE/ NERVE TISSUE PROTEINS, metabolism/ ORGAN WEIGHT, drug effects/ RATS/ RNA, metabolism/ THYROXINE, administration & dosage/ *THYROXINE, therapeutic use

789. **Daitzman RJ, Zuckerman M, Sammelwitz P, et al:** Sensation seeking and gonadal hormones. J Biosoc Sci 10(4):401–8, Oct 78
ADOLESCENCE/ ADULT/ ANDROGENS, blood/ *AROUSAL, physiology/ DRIVE/ ESTROGENS, blood/ FEMALE/ HUMAN/ MALE/ MONOAMINE OXIDASE, analysis/ ORGASM/ *PERSONALITY TESTS/ *SENSATION, physiology

790. **Dalén N, Furuhjelm M, Jacobson B, et al:** Changes in bone mineral content in women with natural menopause during treatment with female sex hormones. Acta Obstet Gynecol Scand 57(5):435–7, 1978
BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ CLIMACTERIC/ DRUG THERAPY, COMBINATION/ *ESTRADIOL, therapeutic use/ *ESTRIOL, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ *MINERALS, metabolism/ *NORETHINDRONE, therapeutic use

791. **Dalessio DJ, Otis S, Smith R:** Vasomotor phenomena, platelet antagonism and migraine therapy. Res Clin Stud Headache 6:34–40, 1978
ASPIRIN, therapeutic use/ ERGOTAMINE, therapeutic use/ FENOPROFEN, therapeutic use/ HUMAN/ *MIGRAINE, blood/ MIGRAINE, drug therapy/ *PLATELET AGGREGATION/ SEROTONIN, blood/ SULFINPYRAZONE, therapeutic use

792. **Dallman MF, Engeland WC, Rose JC, et al:** Nycthemeral rhythm in adrenal responsiveness to ACTH. Am J Physiol 235(5):R210–8, Nov 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ *ADRENAL GLANDS, physiology/ ANIMAL/ *CIRCADIAN RHYTHM/ CIRCADIAN RHYTHM, drug effects/ CORTICOSTERONE, blood/ *CORTICOSTERONE, metabolism/ *CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ *DIURNAL RHYTHM/ DIURNAL RHYTHM, drug effects/ FEMALE/ MALE/ PENTOBARBITAL, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

793. **Dalquen P, Elke M, Füllemann HG, et al:** Lungenfibrose. Praxis 67(46):1696–708, 14 Nov 78 (Ger)
ALCOHOLISM, complications/ CASE REPORT/ DIURETICS, therapeutic use/ HUMAN/ LUNG, pathology/ MALE/ MIDDLE AGE/ PENICILLINS, therapeutic use/ PREDNISONE, therapeutic use/ *PULMONARY FIBROSIS/ RESPIRATORS

794. **Dame WR, Schiffer HP, Beckmann M, et al:** Ophthalmologische Komplikationen unter oraler Kontrazeption. Med Welt 29(51–52):2022–6, 22 Dec 78 (Ger)
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *EYE DISEASES, chemically induced/ FEMALE/ HUMAN/ RETINAL VEIN/ THROMBOSIS, chemically induced/ VISION DISORDERS, chemically induced

795. **Dandona P, El Kabir DJ:** On the effect of thyrotropin and immunoglobulins related to Graves' disease on thyrotropin synthesis and secretion. Clin Endocrinol (Oxf) 9(4):321–7, Oct 78
ANIMAL/ GOITER, EXOPHTHALMIC, immunology/ *GOITER, EXOPHTHALMIC, metabolism/ GUINEA PIGS/ HUMAN/ *IGG/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, secretion/ SECRETORY RATE, drug effects/ THYROIDECTOMY/ *THYROTROPIN, biosynthesis/ THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ THYROTROPIN, secretion/ THYROXINE, pharmacodynamics

796. **Daneman D, Ehrlich RM, Bailey JD:** Postcraniotomy diabetes insipidus: treatment with DDAVP, a synthetic analog of vasopressin. J Pediatr 93(5):879–80, Nov 78
ADOLESCENCE/ *ARGIPRESSIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ *CRANIOTOMY/ *DESMOPRESSIN, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, etiology/ DIABETES INSIPIDUS, urine/ FEMALE/ HUMAN/ MALE/ *POSTOPERATIVE COMPLICATIONS/ SPECIFIC GRAVITY

797. **Danezis J, Soumplis A, Papathanassiou Z:** Conservative correction of uterine anomalies in cases of congenital and posttraumatic infertility. Int J Fertil 23(2):118–22, 1978
FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ INTRAUTERINE DEVICES/ PARASYMPATHOLYTICS, administration & dosage/ PREGNANCY/ PROGESTATIONAL HORMONES/ STERILITY, FEMALE, etiology/ STERILITY, FEMALE, radiography/ *STERILITY, FEMALE, therapy/ *UTERUS, abnormalities/ UTERUS, injuries

798. **Danielides IC, Mellow MH:** Effect of acute hypercalcemia on human esophageal motility. Gastroenterology 75(6):1115–9, Dec 78
ACUTE DISEASE/ ADULT/ AGED/ CALCITONIN, blood/ CALCIUM, blood/ CALCIUM, pharmacodynamics/ ESOPHAGOGASTRIC JUNCTION, physiopathology/ *ESOPHAGUS, physiopathology/ GASTRINS, blood/ GLUCAGON, blood/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERCALCEMIA, physiopathology/ MAGNESIUM, blood/ MALE/ MANOMETRY/ MIDDLE AGE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, physiopathology/ MUSCLES, physiopathology/ PERISTALSIS, drug effects

799. **Danowski TS, Fisher ER, Robinson SM:** Comparisons of synthetic 1–18 ACTH (Organon 2001) and 1–39 ACTH of animal origin in human subjects. PDM 7(9–12)8(1–8):4–6, Jan–Dec 76
ADULT/ COMPARATIVE STUDY/ *CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ HYDROCORTISONE, analogs & derivatives/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ PEPTIDE FRAGMENTS, pharmacodynamics/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

800. **Danowski TS, Fisher ER, Kozak W, et al:** Inappropriate counter-regulatory hormone levels in insulin treated diabetes. PDM 7(9–12)8(1–8):7–16, Jan–Dec 76
BLOOD SUGAR, metabolism/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ GLUCAGON, blood/ *HORMONES, blood/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ *INSULIN, therapeutic use/ SOMATOTROPIN, blood

801. **Danowski TS, Robinson SM, Fisher ER, et al:** Discrepant cortisol values: comparison of radioimmunoassay and competitive protein binding technics. PDM 7(9–12)8(1–8):17–9, Jan–Dec 76
ADULT/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, diagnostic use/ HUMAN/ *HYDROCORTISONE, blood/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY

802. **Danz M, Klinger W, Müller D, et al:** N,N-diethyl-4-aminoazobenzene (DEAB): acute actions

with respect to possible carcinogenicity as well as the role of solvents. Morphological and pharmacological investigations. Exp Pathol (Jena) 16(1–6):245–53, 1978
ADRENAL CORTEX, cytology/ *ADRENAL CORTEX, drug effects/ AMINOLEVULINIC ACID SYNTHETASE, metabolism/ ANIMAL/ BENZOPYRENE HYDROXYLASE, metabolism/ *CARCINOGENS, pharmacodynamics/ CELL DIVISION, drug effects/ CYTOCHROME P-450, metabolism/ *DIMETHYLAMINOAZOBENZENE, analogs & derivatives/ DIMETHYLAMINOAZOBENZENE, pharmacodynamics/ ETHYLMORPHINE-N-DEMETHYLASE, metabolism/ FEMALE/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ OXIDOREDUCTASES, N-DEMETHYLATING, metabolism/ RATS/ SOLVENTS

803. **Danz M, Urban H, Bräuer R, et al:** Growth stimulation following serum transfer from carcinogen-treated donors to normal rats: a new aspect of early carcinogen actions. Exp Pathol (Jena) 16(1–6):23–35, 1978
*ACETYLAMINOFLUORENE, pharmacodynamics/ ADRENAL GLANDS, anatomy & histology/ ANIMAL/ *CELL DIVISION, drug effects/ EPITHELIUM, cytology/ ESOPHAGUS, cytology/ *FLUORENES, pharmacodynamics/ *GROWTH SUBSTANCES, blood/ JEJUNUM, cytology/ LIVER, anatomy & histology/ LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ MITOSIS/ ORGAN WEIGHT/ RATS

804. **Danz M, Urban H, Schmidt A, et al:** A possible short-term prediction of potential carcinogenicity of chemical compounds in vivo by means of a promoting activity test (PAT). Exp Pathol (Jena) 16(1–6):109–20, 1978
ADRENAL CORTEX, cytology/ *ADRENAL CORTEX, drug effects/ ANIMAL/ *CARCINOGENS, pharmacodynamics/ CELL DIVISION, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *MITOSIS, drug effects/ RATS/ SOLVENTS/ TIME FACTORS

805. **Da Prada M, Richards JG, Lorez HP:** Blood platelets and biogenic monoamines: biochemical, pharmacological, and morphological studies. pp. 331–53.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 1624p 1977. (41 ref.)
ACTIN, metabolism/ ACTININ, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BENZOQUINOLIZINE, pharmacodynamics/ *BIOGENIC AMINES/ *BLOOD PLATELETS/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, ultrastructure/ CALCIUM, metabolism/ CHEMISTRY/ CYTOPLASMIC GRANULES, ultrastructure/ GUINEA PIGS/ HUMAN/ MAGNESIUM, metabolism/ MICE/ MICROSCOPY, FLUORESCENCE/ MICROSOMES, ultrastructure/ MITOCHONDRIA, ultrastructure/ MONOGRAPH/ QUINACRINE, pharmacodynamics/ RABBITS/ RATS/ RESERPINE, pharmacodynamics/ REVIEW/ SEROTONIN, isolation & purification/ SUBCELLULAR FRACTIONS, ultrastructure

806. **Darga NC, Reichert LE Jr:** Some properties of the interaction of follicle stimulating hormone with bovine granulosa cells and its inhibition by follicular fluid. Biol Reprod 19(2):235–41, Sep 78
ANIMAL/ CATTLE/ DIALYSIS/ FEMALE/ *FSH, metabolism/ FSH, pharmacodynamics/ *GRAAFIAN FOLLICLE/ *GRANULOSA CELLS, metabolism/ RECEPTORS, HORMONE, metabolism/ TEMPERATURE/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

807. **Darlington CD:** A diagram of evolution. Nature 276(5687):447–52, 30 Nov 78
BACTERIA, genetics/ CELL NUCLEUS, physiology/ CHROMOSOMES, physiology/ DIPLOIDY/ *EVOLUTION/ FEEDBACK/ MEIOSIS/ RECOMBINATION, GENETIC/ REPRODUCTION/ SEX DETERMINATION/ SPECIES SPECIFICITY

808. **Das UN, Padma MC:** Role of prostaglandins in human fertility. Prostaglandins Med 1(4):319–21, Oct 78
ANTIBODY FORMATION, drug effects/ CASE REPORT/ *FERTILITY/ HUMAN/ IMMUNITY, CELLULAR, drug effects/ MALE/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ SPERMATOZOA, immunology

809. **Datta S, Banerjee P:** Prostaglandins, cyclic-AMP, U-tau 118 & acetic acid as insect growth regulators & sterilants. Indian J Exp Biol 16(8):880–3, Aug 78
*ACETIC ACIDS, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *CHEMOSTERILANTS, pharmacodynamics/ FEMALE/ *HEMIPTERA, drug effects/ HEMIPTERA, growth & development/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ PYRIMIDINES, pharmacodynamics/ *TRIAZINES, pharmacodynamics

810. **Daugbjerg PS, Asfeldt VH:** Familial low thyroxine-binding globulin capacity. Dan Med Bull 25(6):257–60, Dec 78
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GENES, DOMINANT/ GOITER, familial & genetic/ HETEROZYGOTE/ HOMOZYGOTE/ HUMAN/ MALE/ MIDDLE AGE/ PEDIGREE/ *THYROXINE BINDING PROTEIN, deficiency/ X CHROMOSOME

811. **Dauphiné TC Jr:** Morphology of the barren-ground caribou ovary. Can J Zool 56(8):1684–96, Aug 78
ANIMAL/ *CARIBOU, anatomy & histology/ CARIBOU, physiology/ COMPARATIVE STUDY/ FEMALE/ *OVARY, anatomy & histology/ OVARY, physiology/ PREGNANCY/ *REINDEER, anatomy & histology

812. **David M, Dorche C, Rolland MO, et al:** Dépistage systématique de l'hypothyroïdie congénitale par le dosage de la TSH sur tache de sang séche. Résultats d'une expérience de 21 mois. Pediatrie 33(8):787–93, Dec 78 (Eng. Abstr.) **(Fre)**
AGE FACTORS/ BLOOD SPECIMEN COLLECTION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ MALE/ MASS SCREENING/ PHENYLKETONURIA, diagnosis/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood

813. **David-Chaussé J, Dehais J, Bullier R, et al:** Les ostéo-arthrites et synovites tuberculeuses a foyers multiples. A propos de 10 observations. Rev Rhum Mal Osteoartic 45(7–9):463–8, Jul-Sep 78 (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *TUBERCULOSIS, OSTEOARTICULAR/ TUBERCULOSIS, OSTEOARTICULAR, diagnosis/ TUBERCULOSIS, OSTEOARTICULAR, etiology/ TUBERCULOSIS, OSTEOARTICULAR, therapy

814. **Davidoff GN, Votaw ML, Coon WW, et al:** Elevations in serum copper, erythrocytic copper, and ceruloplasmin concentrations in smokers. Am J Clin Pathol 70(5):790–2, Nov 78
ADOLESCENCE/ ADULT/ AGED/ *CERULOPLASMIN/ CERULOPLASMIN, analysis/ CONTRACEPTIVES, ORAL, adverse effects/ COPPER, analysis/ *COPPER, blood/ *ERYTHROCYTES, metabolism/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ REGRESSION ANALYSIS/ *SMOKING

815. **Davidovitch Z, Montgomery PC, Yost RW, et al:** Immuno-histochemical localization of cyclic nucleotides in the periodontium: mechanically-stressed cells in vivo. Anat Rec 192(3):351–61, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ BONE AND BONES, analysis/ CATS/ COLLAGEN, biosynthesis/ FEMALE/ FIBROBLASTS/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ IMMUNOCHEMISTRY/ IMMUNOENZYME TECHNICS, methods/ IN VITRO/ JAW, analysis/ MITOSIS/ *PERIODONTAL LIGAMENT, analysis/ STAINS AND STAINING/ STRESS, MECHANICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3,3'-DIAMINOBENZIDINE, diagnostic use

816. **Davidovitch Z, Montgomery PC, Yost RW, et al:** Immuno-histochemical localization of cyclic nucleotides in

mineralized tissues: mechanically-stressed osteoblasts in vivo. Anat Rec 192(3):363-73, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ *BONE AND BONES, analysis/ CATS/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ IMMUNOCHEMISTRY/ IMMUNOENZYME TECHNICS, methods/ JAW, analysis/ *OSTEOBLASTS, analysis/ PERIODONTAL LIGAMENT, analysis/ STAINS AND STAINING/ STRESS, MECHANICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

817. **Davidson DF:** Use of albumin/globulin ratio in differentiation between bone and liver isoenzymes of alkaline phosphatase [letter] Clin Chem 24(12):2214-5, Dec 78
*ALKALINE PHOSPHATASE, blood/ AUTOANALYSIS/ BONE AND BONES, enzymology/ HUMAN/ *ISOENZYMES, blood/ LIVER, enzymology/ *SERUM ALBUMIN, metabolism/ *SERUM GLOBULINS, metabolism

818. **Davidson EM, Ford-Hutchinson AW, Smith MJ, et al:** Prostacyclin (PGI2): a potential mediator of inflammation [proceedings] Br J Pharmacol 64(3):437P, Nov 78
ANIMAL/ FEMALE/ IN VITRO/ *INFLAMMATION, physiopathology/ *PROSTAGLANDINS X, physiology/ *PROSTAGLANDINS, physiology/ RATS

819. **Davies TF, Dufau ML, Catt KJ:** Gonadotrophin receptors: characteristics and clinical applications. Clin Obstet Gynaecol 5(2):329-62, Aug 78 (132 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, physiology/ ANIMAL/ BINDING SITES/ BODY WEIGHT/ FSH, metabolism/ *GONADOTROPINS, metabolism/ GONADOTROPINS, pharmacodynamics/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ HYPOTHALAMUS, physiopathology/ IN VITRO/ LH, metabolism/ OVARY, metabolism/ PITUITARY GLAND, physiopathology/ PROLACTIN, metabolism/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, HORMONE, metabolism/ REVIEW/ SEX HORMONES, physiology/ STRUCTURE-ACTIVITY RELATIONSHIP/ TESTIS, metabolism/ THYROTROPIN, metabolism

820. **Davis JR, Horowitz AM:** Age-related differences in the response of the isolated testicular capsule of the rat to norepinephrine, acetylcholine and prostaglandins. J Reprod Fertil 54(2):269-74, Nov 78
*ACETYLCHOLINE, pharmacodynamics/ *AGING/ ANIMAL/ IN VITRO/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, physiology/ *NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ SPERMATOGENESIS/ TESTIS, drug effects/ *TESTIS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

821. **Davis WL, Goodman DB, Jones RG, et al:** The effects cytochalasin B on the surface morphology of the toad urinary bladder epithelium: a scanning electron microscopic study. Tissue Cell 10(3):451-62, 1978
ANIMAL/ ARGIPRESSIN, pharmacodynamics/ *BLADDER, ultrastructure/ BUFO MARINUS/ CELL MEMBRANE, drug effects/ *CYTOCHALASIN B, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ EPITHELIUM, drug effects/ EPITHELIUM, ultrastructure/ FEMALE/ MICROVILLI, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, drug effects

822. **Davis WM, Smith SG, Werner TE:** Noradrenergic role in the self-administration of ethanol. Pharmacol Biochem Behav 9(3):369-74, Sep 78
*ALCOHOL, ETHYL, antagonists & inhibitors/ ANIMAL/ BRAIN CHEMISTRY, drug effects/ COMPARATIVE STUDY/ *CONDITIONING, OPERANT, drug effects/ DOPAMINE, analysis/ HALOPERIDOL, pharmacodynamics/ MALE/ *METHYLTYROSINES, pharmacodynamics/ MILK/ NOREPINEPHRINE, analysis/ *PHENYLTHIAZOLYLTHIOUREA, pharmacodynamics/ *PHENYLTHIOUREA, analogs & derivatives/ RATS/ SELF ADMINISTRATION/ SEROTONIN, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

823. **Davison KL:** Calcium-45 uptake by shell gland, oviduct, plasma and eggshell of DDT-dosed ducks and chickens. Arch Environ Contam Toxicol 7(3):359-67, 1978
ANIMAL/ CALCIUM RADIOISOTOPES, diagnostic use/ CALCIUM, blood/ *CALCIUM, metabolism/ *CHICKENS, metabolism/ *DUCKS, metabolism/ DDE, pharmacodynamics/ *DDT, pharmacodynamics/ EGG SHELL, analysis/ EXOCRINE GLANDS, metabolism/ FEMALE/ OVIDUCTS, metabolism

824. **Dawkins RL:** Polymyositis and dermatomyositis: clinical problems. Aust NZ J Med 8 Suppl 1:139-42, 1978
COLLAGEN DISEASES, complications/ *DERMATOMYOSITIS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MYASTHENIA GRAVIS, complications/ MYOSITIS, complications/ *MYOSITIS, diagnosis/ MYOSITIS, therapy/ NEOPLASMS, complications/ PREDNISONE, therapeutic use/ THYMOMA, complications/ THYMUS NEOPLASMS, complications

825. **Dawood MY, Saxena BB:** Circulating pituitary-gonadal hormones in clomiphene-induced cycles. Obstet Gynecol 52(4):445-50, Oct 78
*CLOMIPHENE, therapeutic use/ ESTRADIOL, blood/ FEMALE/ *FSH, blood/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *LH, blood/ *OVULATION INDUCTION/ PROGESTERONE, blood/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ STANOLONE, blood/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

826. **Dawood MY, Raghavan KS, Ylikorkala O:** Oksytocin i blodet under graviditet og fødsel. Ugeskr Laeger 140(48):2992-6, 27 Nov 78 (Eng. Abstr.) **(Dan)**
AMNIOTIC FLUID, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LABOR/ MATERNAL-FETAL EXCHANGE/ OXYTOCIN, analysis/ *OXYTOCIN, blood/ *PREGNANCY

827. **Dawson G, Kernes SM:** Mechanism of action of hydrocortisone potentiation of sulfogalactosylceramide synthesis in mouse oligodendroglioma clonal cell lines. J Biol Chem 254(1):163-7, 10 Jan 79
BROMODEOXYURIDINE, pharmacodynamics/ CELL LINE/ *CEREBROSIDES, biosynthesis/ CLONE CELLS/ CORTISONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *GALACTOSYLCERAMIDES, biosynthesis/ GLYCOSAMINOGLYCANS, metabolism/ *HYDROCORTISONE, pharmacodynamics/ HYDROLASES, metabolism/ KINETICS/ LYSOSOMES, enzymology/ OLIGODENDROGLIOMA/ SULFATES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

828. **Day MD, Husain A, Jones CW:** Changes in plasma renin levels of normotensive and spontaneously hypertensive rats with increasing age [proceedings] Br J Pharmacol 64(3):392P-393P, Nov 78
AGING/ ANIMAL/ *HYPERTENSION, enzymology/ RATS/ *RENIN, blood

829. **Dazord A, Gallet D, Saez JM:** Effect of corticotropin treatment in vivo on the synthesis of a specific adrenal cytosolic protein. Characterization by dual-labelling technique and polyacrylamide-gel electrophoresis. Biochem J 176(1):233-9, 15 Oct 78
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, ultrastructure/ ANIMAL/ *CORTICOTROPIN, pharmacodynamics/ CYTOSOL, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ IN VITRO/ MALE/ MICROSOMES, metabolism/ *PROTEINS, biosynthesis/ RATS

830. **Deakin JF, Green AR:** The effects of putative 5-hydroxytryptamine antagonists on the behaviour produced by administration of tranylcypromine and L-tryptophan or tranylcypromine and L-DOPA to rats. Br J Pharmacol 64(2):201-9, Oct 78

P-CHLOROAMPHETAMINE, pharmacodynamics/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN, metabolism/ DRUG INTERACTIONS/ *LEVODOPA, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, metabolism/ SPINAL CORD, metabolism/ SPINAL CORD, physiology/ *TRANYLCYPROMINE, pharmacodynamics/ TRYPTAMINES, pharmacodynamics/ *TRYPTOPHAN, pharmacodynamics

831. **Dean HG, Ingham S:** The effect of SQ 14225 on fluid intake in DOCA/salt hypertensive rats [proceedings] Br J Pharmacol 64(3):390P–391P, Nov 78
ANIMAL/ DESOXYCORTICOSTERONE, pharmacodynamics/ *DRINKING, drug effects/ HYPERTENSION, chemically induced/ *HYPERTENSION, physiopathology/ MALE/ *PROLINE, analogs & derivatives/ PROLINE, pharmacodynamics/ RATS

832. **DeAsis DN Jr, Ali MK, Soto A, et al:** Acute cardiac toxicity of antineoplastic agents as the first manifestation of pheochromocytoma. Cancer 42(4):2005–8, Oct 78
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, secretion/ *ANTINEOPLASTIC AGENTS, adverse effects/ *ARRHYTHMIA, etiology/ CASE REPORT/ CATECHOLAMINES, secretion/ *CORONARY DISEASE, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, diagnosis/ NEOPLASMS, MULTIPLE PRIMARY, secretion/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, secretion/ *SARCOMA, RETICULUM CELL, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.

833. **Debré B, Teyssier P:** Une bien curieuse surrénale. Nouv Presse Med 7(33):2962, 30 Sep 78 **(Fre)**
ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, pathology/ AGED/ CASE REPORT/ HUMAN/ HYPERTENSION, etiology/ *LIVER NEOPLASMS, pathology/ MALE/ NEOPLASM METASTASIS

834. **Decaux G, Unger J:** Thyroid function and laboratory tests [letter] Lancet 2(8100):1153, 25 Nov 78
HUMAN/ *THYROID DISEASES, diagnosis/ *THYROID FUNCTION TESTS

835. **Decoulx M, Lefebvre J, Cappoen JP, et al:** Phéochromocytome avec hypokaliémie. A propos de deux observations. Ann Endocrinol (Paris) 39(3):171–7, 1978 (Eng. Abstr.) **(Fre)**
ADRENAL GLAND HYPERFUNCTION, etiology/ *ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, secretion/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, etiology/ *HYPOKALEMIA, etiology/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, secretion/ RENIN, secretion

836. **Decourt J:** Sur 91 cas d'homosexualité masculine : étude morphologique et hormonale. Probl Actuels Endocrinol Nutr (21):219–30, 1977 **(Fre)**
ADULT/ *HOMOSEXUALITY/ HUMAN/ MALE/ *SEX HORMONES, analysis/ *SOMATOTYPES

837. **de Deuxchaisnes CN, Rombouts–Lindemans C, Huaux JP, et al:** Testing for hypoparathyroidism [letter] N Engl J Med 300(3):140, 18 Jan 79
ADOLESCENCE/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ EDTA, diagnostic use/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PSEUDOHYPOPARATHYROIDISM, diagnosis

838. **Deerberg F, Pittermann W, Rapp K:** Longevity study in Han: Wistar rats: experience in maintaining aging rats for gerontological investigations. pp. 66–74.
In: Hockwin O, ed. Gerontological aspects of eye research. Basel, Karger, 1978. W1 IN679 v.13 1978.
AGING/ ANIMAL/ ANIMALS, LABORATORY, physiology/ FEMALE/ *GERIATRICS/ *GERM-FREE LIFE/ *LONGEVITY/ MALE/ MONOGRAPH/ NEOPLASMS, mortality/ NEOPLASMS, veterinary/ PITUITARY NEOPLASMS, mortality/ PITUITARY NEOPLASMS, veterinary/ *RATS, physiology/ RESEARCH/ RODENT DISEASES, mortality/ UTERINE NEOPLASMS, mortality/ UTERINE NEOPLASMS, veterinary

839. **de Gaetano G:** Blood platelets as a pharmacological model of serotoninergic synaptosomes. pp. 373–84.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.
ANIMAL/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ FENFLURAMINE, pharmacodynamics/ *MODELS, BIOLOGICAL/ MONOGRAPH/ *NERVE ENDINGS, drug effects/ RATS/ SEROTONIN ANTAGONISTS/ *SEROTONIN, metabolism/ *SYNAPTOSOMES, drug effects/ TRAZODONE, pharmacodynamics

840. **Degani S, Rosen G:** [Thyroid tissue along the thyroglossal tract] Harefuah 95(7):210–3, 1 Oct 78 (Eng. Abstr.) **(Heb)**
*CHORISTOMA, pathology/ ENGLISH ABSTRACT/ HUMAN/ *THYROGLOSSAL CYST, pathology/ *THYROID GLAND

841. **Degrossi OJ, Mollerach FE, Scornavachi JC, et al:** Valores séricos y recambio de hormonas tiroideas en el geronte. Medicina (B Aires) 38(1):20–6, Jan–Feb 78 (Eng. Abstr.) **(Spa)**
AGED/ *AGING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *THYROID HORMONES, blood/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE, metabolism/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, metabolism

842. **Deguchi T, Saito M, Kono M:** Blockade by N–methylhydroxylamine of activation of guanylate cyclase and elevations of guanosine 3',5'–monophosphate levels in nervous tissues. Biochim Biophys Acta 544(1):8–19, 15 Nov 78
ANIMAL/ *BRAIN, metabolism/ ENZYME ACTIVATION/ FEMALE/ *GUANOSINE CYCLIC–3',5'–MONOPHOSPHATE, metabolism/ *GUANYL CYCLASE, metabolism/ *HYDROXYLAMINES, pharmacodynamics/ KINETICS/ MALE/ NITROSO COMPOUNDS, pharmacodynamics/ RATS/ STRUCTURE–ACTIVITY RELATIONSHIP/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, metabolism

843. **Dehen H, Willer JC, Prier S, et al:** Insensibilité à la douleur: étude électrophysiologique du réflexe nociceptif. Influence de la naloxone. Rev Neurol (Paris) 134(4):255–62, Apr 78 (Eng. Abstr.) **(Fre)**
ADULT/ *ANALGESIA, CONGENITAL, physiopathology/ CASE REPORT/ COMPARATIVE STUDY/ ENDORPHINS, secretion/ ENGLISH ABSTRACT/ FEMALE/ FENTANYL, pharmacodynamics/ HUMAN/ MALE/ *NALOXONE, pharmacodynamics/ NOCICEPTORS, drug effects/ *NOCICEPTORS, physiopathology/ PLACEBOS/ RECEPTORS, NARCOTIC, drug effects/ REFLEX, drug effects/ *REFLEX, physiology/ SENSORY THRESHOLDS, drug effects

844. **Deisenhammer E:** EEG bei metabolischen und hormonellen Enzephalopathien. Wien Klin Wochenschr [Suppl] 90(94):12–4, 1978 (Eng. Abstr.) **(Ger)**
*DIABETES MELLITUS, complications/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HEPATIC COMA, physiopathology/ HUMAN/ *LIVER DISEASES, complications/ NEUROLOGIC MANIFESTATIONS/ THYROID DISEASES, complications/ UREMIA, complications

845. **De Jong W, Nijkamp FP:** An inhibitory role for the adrenals in the cardiovascular effects of propranolol in the spontaneously hypertensive rat [proceedings] Br J Pharmacol 64(3):391P–392P, Nov 78
*ADRENAL GLANDS, physiology/ ANIMAL/ *HEMODYNAMICS, drug effects/ *HYPERTENSION, physiopathology/ MALE/ *PROPRANOLOL, pharmacodynamics/ RATS

846. **DeKlerk DP, Coffey DS:** Quantitative determination of prostatic epithelial and stromal hyperplasia by a new

technique. Biomorphometrics. Invest Urol 16(3):240–5, Nov 78
ANIMAL/ *CELL COUNT, methods/ CELL NUCLEUS/ DNA, analysis/ EPITHELIUM, pathology/ *HISTOLOGICAL TECHNICS/ HYPERPLASIA/ MALE/ MATHEMATICS/ MICROSCOPY, methods/ *PROSTATE, pathology/ *PROSTATIC NEOPLASMS, pathology/ RATS/ SEX HORMONES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

847. **de la Cruz A, Chowdhury M, Tcholakian RK, et al:** Effects of in vivo treatment with an LHRH antagonist analog (D-PHE2-D-PHE6) in the immature male rat. Biol Reprod 19(2):364–7, Sep 78
ANIMAL/ *FSH, metabolism/ *GENITALIA, MALE, drug effects/ *LH, metabolism/ LH-FSH RELEASING HORMONE, analogs & derivatives/ *LH-FSH RELEASING HORMONE, antagonists & inhibitors/ MALE/ ORGAN WEIGHT, drug effects/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ RATS/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

848. **de la Cruz MJ, Tamarit J:** Efecto de la cafeina en el transporte de Ca2+ en mitocondrias de hígado. Rev Esp Fisiol 34(3):351–6, Sep 78 (Eng. Abstr.) **(Spa)**
ANIMAL/ BIOLOGICAL TRANSPORT/ CAFFEINE, metabolism/ *CAFFEINE, pharmacodynamics/ *CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ ENGLISH ABSTRACT/ FEMALE/ MALE/ *MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ RATS

849. **Delarue NC, Morrow JD, Kerr JH, et al:** Pheochromocytoma in the modern context. Can J Surg 21(5):387–94, Sep 78
ADENOMATOSIS, FAMILIAL ENDOCRINE/ *ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, familial & genetic/ ADRENAL GLAND NEOPLASMS, therapy/ ADRENAL GLAND NEOPLASMS, urine/ ADRENALECTOMY/ ADULT/ AGED/ CASE REPORT/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, urine/ *PHEOCHROMOCYTOMA/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, therapy/ PHEOCHROMOCYTOMA, urine/ PREOPERATIVE CARE/ VANILMANDELIC ACID, urine

850. **del Castillo FJ, Ramírez BM, Díaz-Infante A:** Progesterona plasmática durante el trabajo de parto y el puerperio. Ginecol Obstet Mex 44(264):285–8, Oct 78 (Eng. Abstr.) **(Spa)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR/ PREGNANCY/ *PROGESTERONE, blood/ *PUERPERIUM

851. **Del Chicca MG, Clerico A, Zucchelli GC, et al:** Evaluation of a new immobilized-antibody radioimmunoassay of plasma cortisol: comparison with two previous solid-phase procedures. J Nucl Med Allied Sci 22(2):97–100, Apr-Jun 78
ANTIBODIES/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ PREGNANCY/ RADIOIMMUNOASSAY, methods

852. **Deligdisch L, Legum C, Peyser MR, et al:** Cyclopia associated with triploidy and hydatidiform mole: a case report. Teratology 18(2):257–61, Oct 78
*ANEUPLOIDY/ CHROMOSOMES, HUMAN/ CONSANGUINITY/ *EYE, abnormalities/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, complications/ *HYDATIDIFORM MOLE, familial & genetic/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ PREGNANCY/ *SEX CHROMOSOME ABNORMALITIES/ UTERINE NEOPLASMS, complications/ *UTERINE NEOPLASMS, familial & genetic/ *XYY KARYOTYPE

853. **Delitala G, Stubbs WA, Wass JA, et al:** Hypothalamic-pituitary effects of cimetidine [letter] Lancet 2(8098):1054–5, 11 Nov 78
ADMINISTRATION, ORAL/ ANIMAL/ *CIMETIDINE, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GUANIDINES, administration & dosage/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ IN VITRO/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ PEPTIC ULCER, drug therapy/ *PROLACTIN, secretion/ RATS

854. **Del Pozo E, Darragh A, Lancranjan I, et al:** Effect of bromocriptin on the endocrine system and fetal development. Clin Endocrinol (Oxf) 6 Suppl:47S–55S, 1977
ALDOSTERONE, metabolism/ FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ FETUS, drug effects/ HORMONES, blood/ *HORMONES, metabolism/ HUMAN/ INSULIN, metabolism/ MALE/ PLACENTAL LACTOGEN, metabolism/ *PREGNANCY, drug effects/ SOMATOTROPIN, metabolism/ THYROTROPIN, metabolism/ 2-BROMOERGOCRYPTINE, administration & dosage/ *2-BROMOERGOCRYPTINE, pharmacodynamics

855. **Deltour G, Leoty P, Cormon JR, et al:** Dosage de l'estriol sanguin total sur sang capillaire et par microméthode. Nouv Presse Med 7(32):2873, 23 Sep 78 **(Fre)**
CAPILLARIES/ *ESTRIOL, blood/ FEMALE/ HUMAN/ MICROCHEMISTRY, methods/ PREGNANCY

856. **DeLuca HF:** Regulation of the vitamin D endocrine system located in the kidney. Contrib Nephrol 13:81–95, 1978
ANIMAL/ CALCIUM, metabolism/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYDROXYCHOLECALCIFEROLS, metabolism/ INTESTINAL ABSORPTION/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY, physiology/ MODELS, BIOLOGICAL/ *VITAMIN D, metabolism

857. **Demers LM, Feil PD, Bardin CW:** Factors that influence steroid induction of endometrial glycogenesis in organ culture. Ann NY Acad Sci 286:249–59, 11 Mar 77
ANIMAL/ CULTURE MEDIA/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIETHYLSTILBESTROL, pharmacodynamics/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ FEMALE/ *GLYCOGEN, biosynthesis/ GUINEA PIGS/ INSULIN, pharmacodynamics/ MEDROXYPROGESTERONE, analogs & derivatives/ MEDROXYPROGESTERONE, pharmacodynamics/ ORGAN CULTURE/ OVARY, physiology/ *PROGESTERONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

858. **Demet EM, Halaris AE, Bhatarakamol S:** Indoleamine compartmentation in human blood. Clin Chim Acta 89(2):285–92, 16 Oct 78
BLOOD PLATELETS, analysis/ ERYTHROCYTES, analysis/ HUMAN/ *HYDROXYINDOLEACETIC ACID, blood/ *SEROTONIN, blood/ SPECTROMETRY, FLUORESCENCE, methods/ *TRYPTOPHAN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

859. **Demidov VP, Voronetskiĭ IB:** Taktika pri uzlovatykh porazheniiakh shchitovidnoĭ zhelezy. Khirurgiia (Mosk) (11):123–7, Nov 78 (Eng. Abstr.) **(Rus)**
ADENOMA, pathology/ *ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, NODULAR, pathology/ *GOITER, NODULAR, surgery/ HUMAN/ MALE/ MIDDLE AGE/ THYROID NEOPLASMS, pathology/ *THYROID NEOPLASMS, surgery/ *THYROIDECTOMY, methods

860. **Demonchy A, Valat JP, Neveur CA, et al:** Hyperostose corticale généralisée. Une observation. Nouv Presse Med 7(32):2849–51, 23 Sep 78 (Eng. Abstr.) **(Fre)**
AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPEROSTOSIS, CORTICAL CONGENITAL, diagnosis/ *HYPEROSTOSIS, CORTICAL CONGENITAL, familial & genetic/ OSTEOPETROSIS, diagnosis

861. **de Montigny C, Aghajanian GK:** Tricyclic antidepressants: long-term treatment increases responsivity of rat forebrain

neurons to serotonin. Science 202(4374):1303–6, 22 Dec 78
ACTION POTENTIALS, drug effects/ ANIMAL/ *ANTIDEPRESSIVE AGENTS, TRICYCLIC, pharmacodynamics/ DECEREBRATE STATE/ DRUG SYNERGISM/ *GENICULATE BODIES, drug effects/ GABA, pharmacodynamics/ *HIPPOCAMPUS, drug effects/ MALE/ NEURAL INHIBITION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PYRAMIDAL TRACTS, drug effects/ RATS/ *RECEPTORS, SEROTONIN, drug effects/ *SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

862. **Demopoulos RI, Bigelow B, Vasa U:** Infarcted uterine adnexa. Associated pathology. NY State J Med 78(13):2027–9, Nov 78
*ADNEXA UTERI, blood supply/ ADNEXA UTERI, pathology/ ADOLESCENCE/ ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFARCTION, diagnosis/ *INFARCTION, etiology/ LAPAROTOMY/ MIDDLE AGE/ *OVARIAN NEOPLASMS, complications/ TERATOID TUMOR, complications/ TORSION

863. **Demura R, Yamaguchi H, Yoshimura M, et al:** Plasma TSH and prolactin response to insulin induced hypoglycemia in patients with hypothalamic pituitary disorsers. Endocrinol Jpn 25(4):361–5, Aug 78
ADOLESCENCE/ ADULT/ AGED/ *BRAIN NEOPLASMS, blood/ FEMALE/ HUMAN/ *HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ HYPOGLYCEMIA, complications/ *HYPOTHALAMUS/ *INSULIN, pharmacodynamics/ MIDDLE AGE/ *PITUITARY DISEASES, blood/ PITUITARY DISEASES, complications/ *PROLACTIN, blood/ *THYROTROPIN, blood

864. **Demura R, Yamaguchi H, Demura H, et al:** Effect of CB-154 therapy on the glucose tolerance, IRI and GH response to glucose administration in acromegaly. Endocrinol Jpn 25(4):355–9, Aug 78
*ACROMEGALY, blood/ ACROMEGALY, drug therapy/ ADULT/ FEMALE/ *GLUCOSE TOLERANCE TEST/ GLUCOSE, pharmacodynamics/ HUMAN/ INSULIN ANTIBODIES/ *INSULIN, blood/ MALE/ MIDDLE AGE/ *SOMATOTROPIN, blood/ *2-BROMOERGOCRYPTINE, therapeutic use

865. **Denisov IuP:** Vliianie éstradiola i tokoferola na perekisnoe okislenie lipidov membran éritrotsitov pri ul'trafioletovom obluchenii. Farmakol Toksikol 41(6):697–701, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL MEMBRANE PERMEABILITY, drug effects/ CELL MEMBRANE PERMEABILITY, radiation effects/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *ERYTHROCYTE MEMBRANE, drug effects/ ERYTHROCYTE MEMBRANE, radiation effects/ *ERYTHROCYTES, drug effects/ *ESTRADIOL, pharmacodynamics/ HEMOGLOBINS, metabolism/ HEMOLYSIS, drug effects/ POTASSIUM, metabolism/ RATS/ *ULTRAVIOLET RAYS/ *VITAMIN E, pharmacodynamics

866. **Dennerstein L, Burrows GD, Hyman G, et al:** Menopausal hot flushes: a double blind comparison of placebo, ethinyl oestradiol and norgestrel. Br J Obstet Gynaecol 85(11):852–6, Nov 78
ADULT/ *CLIMACTERIC, drug effects/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ DRUG THERAPY, COMBINATION/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ MIDDLE AGE/ *NORGESTREL, therapeutic use/ PLACEBOS

867. **Dent RG, Edwards OM:** Autoimmune thyroid disease and the polymyalgia rheumatica–giant cell arteritis syndrome. Clin Endocrinol (Oxf) 9(3):215–9, Sep 78
AGED/ *AUTOIMMUNE DISEASES, complications/ CASE REPORT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *POLYMYALGIA RHEUMATICA, complications/ SYNDROME/ *TEMPORAL ARTERITIS, complications/ *THYROID DISEASES, complications

868. **Denton RM, Hughes WA:** Pyruvate dehydrogenase and the hormonal regulation of fat synthesis in mammalian tissues. Int J Biochem 9(8):545–52, 1978 (61 ref.)
ADIPOSE TISSUE, enzymology/ ANIMAL/ *HORMONES, physiology/ IN VITRO/ INSULIN, physiology/ *LIPIDS, biosynthesis/ MITOCHONDRIA, enzymology/ *PYRUVATE DEHYDROGENASE COMPLEX, metabolism/ PYRUVATE DEHYDROGENASE PHOSPHATASE, metabolism/ REVIEW

869. **De Oliveira MH, De Oliveira CF:** Variations du métabolisme hydrocarboné provoquées par les contraceptifs oraux combinés. Gynecologie 29(4):403–7, 1978 **(Fre)**
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *HYPERGLYCEMIA, metabolism/ *HYPERINSULINISM, metabolism/ NORGESTREL, pharmacodynamics

870. **Derenoncourt FJ, Bilezikian JP, Feind CR, et al:** Long-term maintenance of responsive human parathyroid tissue in organ culture. Surg Forum 28:107–9, 1977
ADENOMA, secretion/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, secretion/ HUMAN/ *ORGAN CULTURE/ *PARATHYROID GLANDS/ PARATHYROID GLANDS, secretion/ *PARATHYROID HORMONE, secretion/ PARATHYROID NEOPLASMS, secretion/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

871. **de Sa DJ:** Stress response and its relationship to cystic (pseudofollicular) change in the definitive cortex of the adrenal gland in stillborn infants. Arch Dis Child 53(10):769–76, Oct 78
ADRENAL CORTEX DISEASES, pathology/ *ADRENAL CORTEX, pathology/ ADRENAL CORTEX, ultrastructure/ CYSTS, etiology/ CYSTS, ultrastructure/ FEMALE/ *FETAL DEATH, pathology/ HUMAN/ INFANT, NEWBORN/ MICROSCOPY, ELECTRON/ PREGNANCY/ *STRESS, pathology

872. **Desai M, Vishwanath T, Sheth AR, et al:** Neonatal screening for hypothyroidism—a review experience with thyrotropin estimation in the newborn. Indian Pediatr 15(6):463–7, Jun 78
FEMALE/ *FETAL BLOOD, analysis/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, prevention & control/ MALE/ *MASS SCREENING/ PREGNANCY/ *THYROTROPIN, blood

873. **Deshevoĭ IuB:** Vliianie udaleniia gipofiza na umen'shenie kletochnosti krove-tvornykh organov v pervye sem' chasov posle obluchenia. Radiobiologiia 18(5):771–4, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BONE MARROW, radiation effects/ ENGLISH ABSTRACT/ FEMALE/ GAMMA RAYS/ *HEMATOPOIETIC STEM CELLS, radiation effects/ *HEMATOPOIETIC SYSTEM, radiation effects/ HYPOPHYSECTOMY/ *PITUITARY GLAND, physiology/ RATS/ TIME FACTORS

874. **Dessaint JP:** Autoimmunité. Lille Med 23(8):574–82, Oct 78 **(Fre)**
ANIMAL/ *AUTOIMMUNE DISEASES/ ENDOCRINE DISEASES, immunology/ GOITER, EXOPHTHALMIC, immunology/ HUMAN/ KIDNEY DISEASES, immunology/ LE CELLS/ MICE/ NERVOUS SYSTEM DISEASES, immunology/ SKIN DISEASES, immunology/ T-LYMPHOCYTES, immunology/ THYROIDITIS, LYMPHOMATOUS, immunology

875. **de Torrenté A, Schrier RW:** Hyponatremia an its management. Contrib Nephrol 14:142–54, 1978
ADDISON'S DISEASE, complications/ BURNS, complications/ DIARRHEA, complications/ DIURETICS, adverse effects/ DRINKING BEHAVIOR/ EXTRACELLULAR SPACE/ HEART FAILURE, CONGESTIVE, complications/ HUMAN/ HYPERTENSION, PORTAL, complications/ *HYPONATREMIA, etiology/ HYPONATREMIA, therapy/ INAPPROPRIATE ADH SYNDROME, complications/ INAPPROPRIATE ADH SYNDROME, therapy/ LIVER CIRRHOSIS, complications/ MYXEDEMA, complications/ NEPHROTIC SYNDROME, complications/ VOMITING, complications

876. **Devynck MA, Meyer P:** Régulation des récepteurs de

l'angiotensine II dans ses organes-cibles.
Ann Endocrinol (Paris) 39(3):215-6, 1978 (Eng. Abstr.) (Fre)
ADRENAL CORTEX, metabolism/ *ANGIOTENSIN II, physiology/ ANIMAL/ AORTA, metabolism/ ENGLISH ABSTRACT/ FETUS, metabolism/ KINETICS/ PREGNANCY/ RABBITS/ RATS/ RECEPTORS, ANGIOTENSIN, analysis/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ UTERUS, metabolism/ WATER-ELECTROLYTE BALANCE

877. **De Wolf M, Lagrou A, Hilderson HJ, et al:** Acid triacylglycerol lipase from bovine thyroid gland. Lipids 13(9):598-604, Sep 78
ANIMAL/ CATTLE/ HEAT/ KINETICS/ LIPASE, isolation & purification/ *LIPASE, metabolism/ LYSOSOMES, enzymology/ MITOCHONDRIA, enzymology/ SUBCELLULAR FRACTIONS, enzymology/ *THYROID GLAND, enzymology/ TRIGLYCERIDES

878. **De Wolf MJ, Lagrou AR, Hilderson HJ:** Subcellular structure of bovine thyroid gland. The localization of the peroxidase activity in bovine thyroid. Biochem J 174(3):939-49, 15 Sep 78
ANIMAL/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, AGAROSE/ CHROMATOGRAPHY, ION EXCHANGE/ DIGITONIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEPARIN, pharmacodynamics/ *PEROXIDASES, metabolism/ PYROPHOSPHATES, pharmacodynamics/ SUBCELLULAR FRACTIONS, enzymology/ *THYROID GLAND, enzymology

879. **Dhar SK, Ramos RR:** Inappropriate antidiuresis during desipramine therapy [letter] Arch Intern Med 138(11):1750-1, Nov 78
CASE REPORT/ *DESIPRAMINE, adverse effects/ HUMAN/ *INAPPROPRIATE ADH SYNDROME, chemically induced/ MALE/ MIDDLE AGE

880. **Diamant YZ, Shafrir E:** Placental enzymes of glycolysis, gluconeogenesis and lipogenesis in the diabetic rat and in starvation. Comparison with maternal and foetal liver. Diabetologia 15(6):481-5, Dec 78
ANIMAL/ DIABETES MELLITUS, EXPERIMENTAL, enzymology/ *DIABETES MELLITUS, EXPERIMENTAL, metabolism/ FEMALE/ FETUS, enzymology/ FETUS, metabolism/ GESTATIONAL AGE/ GLUCONEOGENESIS/ GLYCOLYSIS/ INSULIN, deficiency/ *LIPIDS, biosynthesis/ *PLACENTA, enzymology/ PREGNANCY IN DIABETES, enzymology/ *PREGNANCY IN DIABETES, metabolism/ PREGNANCY/ RATS/ STARVATION, enzymology/ STARVATION, metabolism

881. **Diamond BI, Borison RL:** Enkephalins and nigrostriatal function. Neurology (Minneap) 28(11):1085-8, Nov 78
ANIMAL/ APOMORPHINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ DEXTROAMPHETAMINE, pharmacodynamics/ *ENDORPHINS, physiology/ ENKEPHALINS, pharmacodynamics/ *ENKEPHALINS, physiology/ HYDROXYDOPAMINE/ LEVODOPA, pharmacodynamics/ MALE/ NALOXONE, pharmacodynamics/ PARKINSON DISEASE, physiopathology/ PARKINSON DISEASE, SYMPTOMATIC, chemically induced/ PHENETHYLAMINES, pharmacodynamics/ RATS/ *RECEPTORS, NARCOTIC, physiology/ RESERPINE/ *SUBSTANTIA NIGRA, physiopathology

882. **Diamond L, Boyer D, O'Donnell M:** Active bronchial anaphylaxis in the rat: inhibition by tiaramide. Agents Actions 8(5):458-61, Oct 78
ANAPHYLAXIS, complications/ *ANAPHYLAXIS, drug therapy/ ANIMAL/ BRONCHIAL SPASM, chemically induced/ *BRONCHIAL SPASM, drug therapy/ BRONCHIAL SPASM, etiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ METHACHOLINE COMPOUNDS, pharmacodynamics/ *PIPERAZINES, therapeutic use/ RATS/ SEROTONIN, pharmacodynamics/ *THIAZOLES, therapeutic use

883. **Diaz S, Pavez M, Quinteros E, et al:** Clinical trial with subdermal implants containing norgestrienone. Contraception 18(4):429-40, Oct 78
ADOLESCENCE/ ADULT/ CAPSULES/ CHOLESTEROL, blood/ *CONTRACEPTIVE AGENTS, FEMALE, pharmacodynamics/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ MENSTRUATION, drug effects/ *NORGESTRIENONE, administration & dosage/ NORGESTRIENONE, adverse effects/ *NORPREGNATRIENES, administration & dosage/ PREGNANCY/ SILICONE ELASTOMERS/ TIME FACTORS

884. **Díaz Curiel M, Castrillo JM, Rapado A, et al:** The effect of PTE infusion in hypomagnesemic states. Adv Exp Med Biol 103:273-81, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ CHILD/ CREATININE, urine/ FEMALE/ HUMAN/ HYPOCALCEMIA, complications/ KIDNEY CALCULI, complications/ *MAGNESIUM, blood/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS/ PHOSPHORUS, urine/ *TISSUE EXTRACTS, therapeutic use

885. **Diddle AW, Gardner WH, Williamson PJ, et al:** Oral contraceptive steroids and dysplasia and carcinoma of the cervix uteri. J Tenn Med Assoc 71(10):725-7, 740, Oct 78
ADOLESCENCE/ ADULT/ *CERVIX DYSPLASIA, chemically induced/ *CERVIX NEOPLASMS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ MIDDLE AGE

886. **Dieckmann G, Schneider H:** Influence of stereotactic hypothalamotomy on alcohol and drug addiction. Appl Neurophysiol 41(1-4):93-8, 1978
ADULT/ ALCOHOLISM, psychology/ *ALCOHOLISM, therapy/ DRUG DEPENDENCE, psychology/ *DRUG DEPENDENCE, therapy/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPOTHALAMUS, surgery/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ SOCIAL ADJUSTMENT/ *STEREOTAXIC TECHNICS

887. **Dieppa RA, Gittes RF:** Hydronephrosis and megacystis in rats with diabetes insipidus: radiographic and ureteral pressure studies. Surg Forum 28:548-50, 1977
ANIMAL/ *BLADDER DISEASES, etiology/ BLADDER DISEASES, radiography/ *DIABETES INSIPIDUS, physiopathology/ *DISEASE MODELS, ANIMAL/ FEMALE/ *HYDRONEPHROSIS, etiology/ HYDRONEPHROSIS, radiography/ MALE/ PRESSURE/ *RATS/ *URETER, physiopathology

888. **Dierks-Ventling C:** In vitro transcription of vitellogenin sequences on chick liver chromatin. Nucleic Acids Res 5(10):3929-43, Oct 78
ANIMAL/ CELL-FREE SYSTEM/ CHICKENS/ *CHROMATIN, metabolism/ ESTRADIOL, metabolism/ KINETICS/ *LIPOPROTEINS, genetics/ *LIVER, metabolism/ MOLECULAR WEIGHT/ *RECEPTORS, ESTROGEN, metabolism/ RNA POLYMERASE II, metabolism/ *TRANSCRIPTION, GENETIC/ VITELLOGENIN, biosynthesis/ *VITELLOGENIN, genetics

889. **Diez Jiménez L, Estenoz Alfaro J, Hawkins Carranza F, et al:** Tirotoxicósis desencadenada tras la realización del test de Werner en una enferma de Graves-Basedow. Rev Clin Esp 150(5):285-6, 15 Sep 78 (Spa)
CASE REPORT/ FEMALE/ *GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ *HYPERTHYROIDISM, chemically induced/ MIDDLE AGE/ TRIIODOTHYRONINE, administration & dosage/ *TRIIODOTHYRONINE, adverse effects

890. **Di Giulio AM, Yang HY, Lutold B, et al:** Characterization of enkephalin-like material extracted from sympathetic ganglia. Neuropharmacology 17(11):989-92, Nov 78
ANIMAL/ CHEMISTRY/ *ENDORPHINS, analysis/ *ENKEPHALINS, analysis/ *GANGLIA, AUTONOMIC, analysis/ GANGLIA, SPINAL, analysis/ GUINEA PIGS/ MALE/ MOLECULAR WEIGHT/ RABBITS/ RATS/ SPECIES SPECIFICITY

891. **Di Gregoli A, Fradà G, Li Vecchi M, et al:** Sul comportamento dell'attività reninica plasmatica a seguito della stimolazione del seno carotideo. Boll Soc Ital Cardiol 22(3):355-61, 1977

(Eng. Abstr.) **(Ita)**
ADULT/ CAROTID SINUS, drug effects/ *CAROTID SINUS, physiology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PHENTOLAMINE, diagnostic use/ PHYSICAL STIMULATION/ PROPRANOLOL, diagnostic use/ RECEPTORS, ADRENERGIC, drug effects/ *RENIN, blood/ STIMULATION, CHEMICAL/ THEOPHYLLINE, diagnostic use

892. **Dijkstra J, Touw J, Halsema I, et al:** Estradiol-induced synthesis of vitellogenin. IV. The isolation of non-degraded polysomes from avian liver using an endogenous ribonuclease inhibitor. Biochim Biophys Acta 521(1):363-73, 21 Nov 78
ANIMAL/ CELL FRACTIONATION, methods/ CHICKENS/ DUCKS/ *ESTRADIOL, pharmacodynamics/ GONADOTROPINS, CHORIONIC/ HUMAN/ *LIPOPROTEINS, biosynthesis/ LIVER, metabolism/ *LIVER, ultrastructure/ MALE/ POLYRIBOSOMES, drug effects/ POLYRIBOSOMES, metabolism/ *POLYRIBOSOMES, ultrastructure/ RIBONUCLEASE, antagonists & inhibitors/ TRITONS/ *VITELLOGENIN, biosynthesis/ XENOPUS

893. **Di Lollo F, Terzani E, Fazzini G, et al:** Aspetti fisiopatologici e sintomatici delle encefalopatie osmolari. Recenti Prog Med 65(4):295-325, Oct 78 (117 ref.) (Eng. Abstr.) **(Ita)**
ADRENAL GLAND HYPOFUNCTION, complications/ BRAIN DISEASES, METABOLIC, diagnosis/ *BRAIN DISEASES, METABOLIC, etiology/ BRAIN DISEASES, METABOLIC, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ EDEMA, complications/ ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, complications/ HYPERGLYCEMIA, complications/ HYPERNATREMIA, complications/ HYPONATREMIA, complications/ INAPPROPRIATE ADH SYNDROME, complications/ KIDNEY DISEASES, complications/ LIVER CIRRHOSIS, complications/ MANNITOL, adverse effects/ OSMOLAR CONCENTRATION/ REVIEW/ *WATER-ELECTROLYTE IMBALANCE, complications

894. **Dinbar A, Tulcinsky DB:** Effect of induced hypercalcemia on gastric acid secretion and serum gastrin levels in duodenal ulcer patients. Isr J Med Sci 14(9):992-4, Sep 78
ADULT/ CALCIUM, physiology/ DUODENAL ULCER, blood/ DUODENAL ULCER, physiopathology/ *GASTRIC JUICE, secretion/ *GASTRINS, blood/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERCALCEMIA, physiopathology/ MIDDLE AGE

895. **Diner H, Chou MD, Sobel EH:** The effects of neonatal stunting on the development of rats: effects of early single dose cortisone on dental development and maturation of nursling and mature rats. Pediatr Res 12(9):948-51, Sep 78
ANIMAL/ ANIMALS, NEWBORN/ COMPARATIVE STUDY/ *CORTISONE, pharmacodynamics/ MOLAR, drug effects/ *ODONTOGENESIS, drug effects/ RATS/ TOOTH ERUPTION, drug effects/ *TOOTH, drug effects/ TOOTH, growth & development/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

896. **Dinges HP:** Uber progesteroninduzierte Veränderungen des Endometriums und der Zervixschleimhaut bei glandulär-zystischer Hyperplasie des Endometriums. Zentralbl Gynaekol 100(17):1093-102, 1978 (Eng. Abstr.) **(Ger)**
ADULT/ CERVIX UTERI, drug effects/ *CERVIX UTERI, pathology/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA/ MIDDLE AGE/ MUCOUS MEMBRANE, pathology/ *PROGESTERONE, adverse effects/ UTERINE DISEASES, chemically induced/ UTERINE DISEASES, pathology

897. **Dirks JH, Quamme GA:** Renal handling of magnesium. Adv Exp Med Biol 103:51-64, 1978 (40 ref.)
ANIMAL/ CALCIUM, metabolism/ DIURETICS, pharmacodynamics/ HOMEOSTASIS/ HORMONES, physiology/ KIDNEY GLOMERULUS, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ *KIDNEY, metabolism/ LOOP OF HENLE, metabolism/ MAGNESIUM DEFICIENCY, metabolism/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ NEPHRONS, metabolism/ REVIEW/ SODIUM, metabolism

898. **DiSorbo D, Rosen F, McPartland RP, et al:** Glucocorticoid activity of various progesterone analogs: correlation between specific binding in thymus and liver and biologic activity. Ann NY Acad Sci 286:355-68, 11 Mar 77
ANIMAL/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ *GLUCOCORTICOIDS, antagonists & inhibitors/ HYDROXYPROGESTERONES, metabolism/ *HYDROXYPROGESTERONES, pharmacodynamics/ IN VITRO/ *LIVER, metabolism/ MALE/ *PROGESTERONE, analogs & derivatives/ PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ RATS/ RECEPTORS, GLUCOCORTICOID, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYMUS GLAND, drug effects/ *THYMUS GLAND, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

899. **Dix CJ, Jordan VC:** Contrasting subcellular responses to monohydroxytamoxifen and oestradiol benzoate in the immature rat uterus [proceedings] Br J Pharmacol 64(3):375P-376P, Nov 78
ANIMAL/ COMPARATIVE STUDY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ RATS/ *TAMOXIFEN, analogs & derivatives/ TAMOXIFEN, pharmacodynamics/ *UTERUS, drug effects/ UTERUS, metabolism/ UTERUS, ultrastructure

900. **Dixit VP, Jain HC:** Effects of chronically administered quinacrine hydrochloride on the histology & biochemistry of intact, ovariectomized & estrogen treated female genital tract of gerbil Meriones hurrianae Jerdon. Indian J Exp Biol 16(9):984-6, Sep 78
ANIMAL/ CASTRATION/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GERBILS/ HISTOCYTOCHEMISTRY/ ORGAN WEIGHT, drug effects/ *QUINACRINE, pharmacodynamics/ *UTERUS, drug effects/ *VAGINA, drug effects

901. **Dmitrenko NP:** Svoĭstva adenilattsiklazy sarkolemmy skeletnykh myshts krolika. Ukr Biokhim Zh 50(5):607-11, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ADENYL CYCLASE, isolation & purification/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ DRUG STABILITY/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ EGTA, pharmacodynamics/ KINETICS/ *MUSCLES, enzymology/ RABBITS/ *SARCOLEMMA, enzymology

902. **Dobrovol'skii AB, Gusev NB:** Rol' Ca-spetsificheskikh uchastkov sviazyvaniia v indutsirovanii konformatsionnykh izmenenii struktury troponina. Biokhimiia 43(9):1695-703, Sep 78 (Eng. Abstr.) **(Rus)**
BINDING SITES/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ FLUORESCENT DYES/ *MUSCLE PROTEINS/ PROTEIN BINDING/ PROTEIN CONFORMATION/ SPECTROMETRY, FLUORESCENCE/ *TROPONIN

903. **Dobrzanski T:** Heterogeneity of ACTH--its clinical implications in acute alcohol withdrawal syndromes. Endokrynol Pol 29(5):407-11, Sep-Oct 78
ACUTE DISEASE/ ALCOHOLISM, blood/ *ALCOHOLISM, therapy/ *CORTICOTROPIN/ CORTICOTROPIN, blood/ *DRUG WITHDRAWAL SYMPTOMS, blood/ HUMAN/ MOLECULAR WEIGHT

904. **Dobson JG Jr:** Reduction by adenosine of the isoproterenol-induced increase in cyclic adenosine 3',5'-monophosphate formation and glycogen phosphorylase activity in rat heart muscle. Circ Res 43(5):785-92, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENOSINE DEAMINASE, pharmacodynamics/ *ADENOSINE, pharmacodynamics/ ANIMAL/ ANOXIA, metabolism/ *GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN, metabolism/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, pharmacodynamics/ MYOCARDIUM, enzymology/ *MYOCARDIUM, metabolism/ RATS/ UNITED

STATES GOV'T SUPPORTED, P.H.S.

905. **Dodds WJ:** Platelet function in animals: species specificities. pp. 45–59.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 1624p 1977. (45 ref.)
ANIMAL/ *BLOOD PLATELETS, physiology/ EVOLUTION/ HUMAN/ MEMBRANE PROTEINS, metabolism/ MONOGRAPH/ NUCLEOTIDES, metabolism/ PLATELET AGGREGATION/ REVIEW/ SEROTONIN, metabolism/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

906. **Dodi G, Farini R, Pedrazzoli S, et al:** Effect of cimetidine on steroid experimental peptic ulcers.
Acta Hepatogastroenterol (Stuttg) 25(5):395–7, Oct 78
ANIMAL/ *CIMETIDINE, pharmacodynamics/ *GUANIDINES, pharmacodynamics/ *HYDROCORTISONE/ PEPTIC ULCER, chemically induced/ *PEPTIC ULCER, drug therapy/ *PREDNISOLONE/ RATS

907. **Dodríguez Cuartero A, Rodriguez Cuartero F:** Discondromatósis de Ollier. Rev Esp Reum Enferm Osteoartic 21(3):247–59, 1978 **(Spa)**
ADOLESCENCE/ *BONE AND BONES, radiography/ CASE REPORT/ DYSCHONDROPLASIA, diagnosis/ *DYSCHONDROPLASIA, radiography/ HUMAN/ MALE

908. **Dodson KS, Watson J:** Possible interconversion of PGE2 and PGE2alpha by pig follicles superfused in vitro.
Prostaglandins Med 1(4):293–4, Oct 78
ANIMAL/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, metabolism/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, metabolism/ SWINE

909. **Döge D, Ebert C:** Die infantile kortikale Hyperostose.
Beitr Orthop Traumatol 25(11):616–22, Nov 78 **(Ger)**
ADRENAL CORTEX HORMONES, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ DISEASES IN TWINS/ HUMAN/ *HYPEROSTOSIS, CORTICAL CONGENITAL, diagnosis/ HYPEROSTOSIS, CORTICAL CONGENITAL, drug therapy/ INFANT, NEWBORN/ MALE

910. **Döhler KD, Wong CC, Gaudssuhn D, et al:** Site of blood sampling in rats as a possible source of error in hormone determinations. J Endocrinol 79(1):141–2, Oct 78
ANIMAL/ *BLOOD SPECIMEN COLLECTION, methods/ *FSH, blood/ MALE/ *PROLACTIN, blood/ RATS

911. **Doll DC, Kandzari S, Jenkins JJ 3d, et al:** Seminoma in a 12-year-old male with 46 XY/45 XO karyotype. Cancer 42(4):1823–5, Oct 78
CASE REPORT/ CHILD/ *CHROMOSOME DELETION/ CRYPTORCHISM, complications/ *CRYPTORCHISM, familial & genetic/ DYSGERMINOMA, complications/ *DYSGERMINOMA, familial & genetic/ HUMAN/ MALE/ MOSAICISM/ *SEX CHROMOSOMES/ TESTICULAR NEOPLASMS, complications/ *TESTICULAR NEOPLASMS, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *Y CHROMOSOME

912. **Domellöf L, Hjälmås K, Nordmark L, et al:** Angiography of the testicular artery as a diagnostic aid in boys with nonpalpable testis. J Pediatr Surg 13(6):534–6, Oct 78
ADOLESCENCE/ AGE FACTORS/ *ANGIOGRAPHY, methods/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, diagnosis/ HUMAN/ MALE/ TESTIS, abnormalities/ *TESTIS, blood supply

913. **Donald DE, Shepherd JT:** Reflexes from the heart and lungs: physiological curiosities or important regulatory mechanisms. Cardiovasc Res 12(8):446–69, Aug 78 (139 ref.)
ACTION POTENTIALS/ ADRENERGIC FIBERS, physiology/ AFFERENT PATHWAYS, physiology/ ANIMAL/ BLOOD CIRCULATION/ CARDIOVASCULAR SYSTEM, innervation/ *HEART, innervation/ HEMODYNAMICS/ HUMAN/ *LUNG, innervation/ NERVE FIBERS, physiology/ RECEPTORS, SENSORY, physiology/ *REFLEX, physiology/ RENIN, secretion/ REVIEW/ VAGUS NERVE, physiology

914. **Donat JF, Okazaki H, Gomez MR, et al:** Pineal tumors. A 53-year experience. Arch Neurol 35(11):736–40, Nov 78
ADOLESCENCE/ ADULT/ BRAIN NEOPLASMS, mortality/ *BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, radiography/ BRAIN NEOPLASMS, therapy/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ PINEALOMA, mortality/ *PINEALOMA, pathology/ PINEALOMA, radiography/ PINEALOMA, therapy

915. **Donnelly TE Jr:** Effects of CuCl2 on the hydrolysis of cyclic GMP and cyclic AMP by the activator-dependent cyclic nucleotide phosphodiesterase from bovine heart.
Biochim Biophys Acta 543(3):273–82, 18 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ *CARRIER PROTEINS, pharmacodynamics/ CATTLE/ *COPPER, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ MYOCARDIUM, enzymology/ *PHOSPHODIESTERASE INHIBITORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, antagonists & inhibitors

916. **Donoso AO, Banzan AM:** Failure of histamine to induce the release of luteinizing hormone in castrated rats primed with sex steroids. J Endocrinol 78(3):447–8, Sep 78
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *HISTAMINE, pharmacodynamics/ *LH, secretion/ MALE/ PROGESTERONE, pharmacodynamics/ RATS/ TESTOSTERONE, pharmacodynamics

917. **Donshik PC, Berman MB, Dohlman CH, et al:** Effect of topical corticosteroids on ulceration in alkali-burned corneas.
Arch Ophthalmol 96(11):2117–20, Nov 78
*ALKALIES/ ANIMAL/ *BURNS, CHEMICAL, drug therapy/ CELL-FREE SYSTEM, drug effects/ CLOSTRIDIOPEPTIDASE A, metabolism/ CORNEAL ULCER, chemically induced/ *CORNEAL ULCER, drug therapy/ *DEXAMETHASONE, therapeutic use/ EYE BURNS, chemically induced/ *EYE BURNS, drug therapy/ ORGAN CULTURE/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

918. **Donta ST, Haddow AD:** Cytotoxic activity of Aeromonas hydrophila. Infect Immun 21(3):989–93, Sep 78
ADENYL CYCLASE, metabolism/ *AEROMONAS, physiology/ CELL LINE/ CELL SURVIVAL, drug effects/ CYTOTOXINS, isolation & purification/ *CYTOTOXINS, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ HEAT/ STEROIDS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

919. **Dörner G:** Hormone-dependent brain differentiation and sexual behavior in man. Probl Actuels Endocrinol Nutr (21):231–3, 1977
*BRAIN, embryology/ COMPARATIVE STUDY/ FEMALE/ HOMOSEXUALITY/ HOMOSEXUALITY, FEMALE/ HUMAN/ MALE/ PREGNANCY/ *SEX BEHAVIOR, physiology/ *SEX HORMONES, physiology

920. **Dörner G:** Hormone-dependent brain differentiation and sexual behavior animal experiment.
Probl Actuels Endocrinol Nutr (21):7–11, 1977
*ANDROGENS, physiology/ ANIMAL/ *BRAIN, embryology/ *ESTROGENS, physiology/ FEMALE/ MALE/ RATS/ *SEX BEHAVIOR, ANIMAL, physiology/ *SEX DIFFERENTIATION

921. **Dornhorst A, Gann DS:** Immunoperoxidase stains cortisol in adrenal and pituitary. J Histochem Cytochem 26(11):909–13, Nov 78
*ADRENAL GLANDS, immunology/ ANIMAL/ CATS/ FEMALE/ *HYDROCORTISONE, immunology/ IMMUNOENZYME TECHNICS/ MALE/ *PITUITARY GLAND, immunology/ STAINS AND STAINING/ UNITED STATES GOV'T SUPPORTED, P.H.S.

922. **Doroshenko PA, Kostiuk PG, Tsyndrenko AIa:** Razdelenie kalievykh i kal'tsievykh kanalov v membrane somy nervnoi

kletki. Neirofiziologiia 10(6):645–53, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *ION CHANNELS, metabolism/ MEMBRANE POTENTIALS/ *NEURONS, metabolism/ *POTASSIUM, metabolism/ *SNAILS, metabolism/ TETRAETHYLAMMONIUM COMPOUNDS, pharmacodynamics/ TROMETHAMINE, metabolism

923. **Dosa S, Cairns SA, Lawler W, et al:** The treatment of lupus nephritis by methyl prednisolone pulse therapy. Postgrad Med J 54(635):628–32, Sep 78
ADOLESCENCE/ ADULT/ CASE REPORT/ FEMALE/ *GLOMERULONEPHRITIS, drug therapy/ GLOMERULONEPHRITIS, etiology/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ TIME FACTORS

924. **Dosch HM, Gelfand EW:** Functional differentiation of B lymphocytes in agammaglobulinemia. III. Characterization of spontaneous suppressor cell activity. J Immunol 121(5):2097–105, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AGAMMAGLOBULINEMIA, immunology/ *B-LYMPHOCYTES, immunology/ CELL SEPARATION/ CELLS, CULTURED/ HEMOLYTIC PLAQUE TECHNIC/ HUMAN/ *LYMPHOCYTE TRANSFORMATION/ POKEWEED MITOGENS/ *T-LYMPHOCYTES, immunology/ TIME FACTORS

925. **Doss LL, Kardinal CG:** Screening for radiation-associated thyroid and salivary gland cancer. Mo Med 75(12):610–2, Dec 78
HUMAN/ NEOPLASMS, RADIATION-INDUCED, diagnosis/ *NEOPLASMS, RADIATION-INDUCED, prevention & control/ *RADIOTHERAPY, adverse effects/ *SALIVARY GLAND NEOPLASMS, etiology/ SALIVARY GLAND NEOPLASMS, prevention & control/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, prevention & control

926. **D'Ottavio G, Pozza D, Zappavigna D:** Validity of the pre-operatory trans-scrotal venography of the internal spermatic vein in the presence of idiopathic varicocele. Acta Eur Fertil 9(2):105–20, Jun 78
HUMAN/ MALE/ PHLEBOGRAPHY/ *TESTIS, blood supply/ TIME FACTORS/ *VARICOCELE, radiography/ VARICOCELE, surgery

927. **Dougherty CM, Cunningham C, Mickal A:** Choriocarcinoma with metastasis in a postmenopausal woman. Am J Obstet Gynecol 132(6):700–1, 15 Nov 78
AGED/ CASE REPORT/ *CHORIOCARCINOMA, pathology/ FEMALE/ HUMAN/ MENOPAUSE/ NEOPLASM METASTASIS/ PREGNANCY/ TIME FACTORS/ *UTERINE NEOPLASMS, pathology

928. **Douglas J, Saltman S, Williams C, et al:** An examination of possible mechanisms of angiotensin II-stimulated steroidogenesis. Endocr Res Commun 5(2):173–88, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ CORTICOTROPIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOGS/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ KINETICS

929. **Downham TF 2d, Chapel TA:** Bullous pemphigoid:therapy in patients with and without diabetes mellitus. Arch Dermatol 114(11):1639–42, Nov 78
ADULT/ AGED/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PEMPHIGUS, complications/ *PEMPHIGUS, drug therapy/ PREDNISONE, administration & dosage/ *PREDNISONE, therapeutic use/ RETROSPECTIVE STUDIES

930. **Dozois RR, Kim JK, Dousa TP:** Interaction of prostaglandins with canine gastric mucosal adenylate cyclase-cyclic AMP system. Am J Physiol 235(5):E546–51, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ DOGS/ *GASTRIC MUCOSA, metabolism/ HISTAMINE, pharmacodynamics/ IN VITRO/ POLYPHLORETIN PHOSPHATE, pharmacodynamics/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

931. **Drago JR, Nelson RP, Palmer JM:** Childhood embryonal carcinoma of testes. Urology 12(5):499–503, Nov 78
CASE REPORT/ CHILD, PRESCHOOL/ DACTINOMYCIN, therapeutic use/ HUMAN/ LYMPH NODE EXCISION/ MALE/ TERATOID TUMOR, drug therapy/ TERATOID TUMOR, surgery/ *TERATOID TUMOR, therapy/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, surgery/ *TESTICULAR NEOPLASMS, therapy

932. **Drake HL, Akagi JM:** Dissimilatory reduction of bisulfite by Desulfovibrio vulgaris. J Bacteriol 136(3):916–23, Dec 78
DESULFOVIBRIO, enzymology/ *DESULFOVIBRIO, metabolism/ MEMBRANES, metabolism/ OXIDATION-REDUCTION/ SULFIDES, metabolism/ SULFITE REDUCTASES, metabolism/ *SULFITES, metabolism/ THIOSULFATES, metabolism/ TRITONS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

933. **Drake TS, Tredway DR, Buchanan GC:** Continued clinical experience with an increasing dosage regimen of clomiphene citrate administration. Fertil Steril 30(3):274–7, Sep 78
*ANOVULATION, drug therapy/ *CLOMIPHENE, administration & dosage/ CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ OVULATION, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

934. **Drenick EJ, Fisler JS, Johnson DG, et al:** The effect of exercise on substrates and hormones during prolonged fasting. Int J Obes 1(1):49–61, 1977
ADULT/ AGE FACTORS/ ALANINE, blood/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ *ENERGY METABOLISM/ *EXERTION/ *FASTING/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCOSE, metabolism/ GLYCERIN, blood/ *HORMONES, physiology/ HUMAN/ INSULIN, blood/ LACTATES, blood/ MALE/ MIDDLE AGE/ PYRUVATES, blood/ SOMATOTROPIN, blood

935. **Drew SB, Gould CM, Bulman DC:** The effect of treatment with a progesterone releasing intravaginal device on the fertility of spring calving Friesian dairy cows. Vet Rec 103(12):259–62, 16 Sep 78
ANIMAL/ *CATTLE, physiology/ FEMALE/ *FERTILITY, drug effects/ FERTILIZATION/ INSEMINATION, ARTIFICIAL, veterinary/ MILK, analysis/ PREGNANCY/ PROGESTERONE, administration & dosage/ PROGESTERONE, analysis/ *PROGESTERONE, pharmacodynamics/ SEASONS/ VAGINA

936. **Driscoll J, Hintz HF, Schryver HF:** Goiter in foals caused by excessive iodine. J Am Vet Med Assoc 173(7):858–9, 1 Oct 78
ANIMAL/ FEMALE/ GOITER, chemically induced/ *GOITER, veterinary/ *HORSE DISEASES, chemically induced/ HORSES/ *IODINE, adverse effects/ MALE/ PREGNANCY

937. **Drożdż H, Dobrzyńska-Ogniewska W:** Wpływ glikokortykosterydów (GKS) na aktywność enzymów w wirusowym zapaleniu wątroby (WZW). I. Zachowanie się leucyloaminopeptydazy (LAP) i glicyloaminopeptydazy (GAP) surowicy. Folia Med Cracov 20(2):263–74, 1978 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ AGED/ *AMINOPEPTIDASES, blood/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOCORTICOIDS,

pharmacodynamics/ GLUCOCORTICOIDS, therapeutic use/ GLYCINE/ HEPATITIS, VIRAL, HUMAN, drug therapy/ *HEPATITIS, VIRAL, HUMAN, enzymology/ HUMAN/ *LEUCINE AMINOPEPTIDASE, blood/ MALE/ MIDDLE AGE

938. **Dry J, Pradalier A:** La thérapeutique en 1978. Rev Prat 28(41):3077–8, 3081–4, 3087–90, 21 Sep 78 (36 ref.) **(Fre)**
AMENORRHEA, drug therapy/ ANTICHOLESTEREMIC AGENTS, adverse effects/ *ARTIFICIAL ORGANS/ BILIARY TRACT DISEASES, metabolism/ CHOLELITHIASIS, chemically induced/ CLOFIBRATE, adverse effects/ *DRUG THERAPY/ DRUG THERAPY, adverse effects/ *DRUGS, metabolism/ ESTROGENS, adverse effects/ FEMALE/ FIBRINOLYTIC AGENTS, therapeutic use/ GALACTORRHEA, drug therapy/ GASTROINTESTINAL DISEASES, metabolism/ HUMAN/ LIVER DISEASES, metabolism/ *PANCREAS/ PANCREAS, transplantation/ PROLACTIN, blood/ REVIEW/ THYROID DISEASES, metabolism/ UTERINE NEOPLASMS, chemically induced/ 2-BROMOERGOCRYPTINE, therapeutic use

939. **Dubewar DM, Suryawanshi SA:** Effect of induced hypercalcemia on ultimobranchial gland of the lizard, Calotes versicolor. Z Mikrosk Anat Forsch 91(4):704–8, 1977
ANIMAL/ *CALCIUM CHLORIDE, pharmacodynamics/ CALCIUM, blood/ *ERGOCALCIFEROL, pharmacodynamics/ *LIZARDS, anatomy & histology/ ULTIMOBRANCHIAL BODY, anatomy & histology/ *ULTIMOBRANCHIAL BODY, drug effects/ ULTIMOBRANCHIAL BODY, secretion

940. **Dubois MP, Dacheux JL:** La relaxine, une hormone mâle? Identification par immunofluorescence d'un antigène apparenté à la relaxine dans le testicule et l'épididyme d'un mammifère adulte. Ann Endocrinol (Paris) 39(3):239–40, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ ENGLISH ABSTRACT/ *EPIDIDYMIS, analysis/ FLUORESCENT ANTIBODY TECHNIC/ MALE/ *RELAXIN, analysis/ SWINE/ *TESTIS, analysis

941. **Dubost C, Jehanno C, Daliphard P, et al:** L'hyperparathyroïdie aiguë, diagnostic et traitement. A propos de dix observations récentes. Sem Hop Paris 54(21–24):696–703, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**
ACUTE DISEASE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE

942. **Ducassou D, Brendel A, Rashedi M, et al:** Scintigraphie surrénalienne. J Radiol Electrol Med Nucl 59(6–7):430, Jun–Jul 78 **(Fre)**
*ADRENAL CORTEX, radionuclide imaging/ METHODS

943. **Duce IR, Keen P:** Can neuronal smooth endoplasmic reticulum function as a calcium reservoir? Neuroscience 3(9):837–48, 1978
ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ *CALCIUM, metabolism/ ENDOPLASMIC RETICULUM, enzymology/ *ENDOPLASMIC RETICULUM, metabolism/ ENDOPLASMIC RETICULUM, ultrastructure/ FEMALE/ HISTOCYTOCHEMISTRY/ MAGNESIUM, pharmacodynamics/ MICROFILAMENTS, ultrastructure/ MICROSCOPY, ELECTRON/ RATS/ SPINAL NERVE ROOTS, metabolism/ *SPINAL NERVE ROOTS, ultrastructure

944. **Ducheyne P, Aernoudt E, De Meester P, et al:** Factors governing the mechanical behavior of the implant–porous coating––trabecular bone interface. J Biomech 11(6–7):297–307, 1978
BIOMECHANICS/ *BONE AND BONES, anatomy & histology/ BONE AND BONES, surgery/ *BONE MATRIX, anatomy & histology/ *BONE REGENERATION/ ELASTICITY/ HIP, surgery/ HUMAN/ MODELS, BIOLOGICAL/ PRESSURE/ *PROSTHESIS/ STRESS, MECHANICAL/ SURFACE PROPERTIES

945. **Dučic V, Terzic-Kazic N:** Sindrom kandida-endokrinopatija. Med Arh 32(3):155–8, May–Jun 78 (Eng. Abstr.) **(Ser)**
*ADRENAL GLAND HYPOFUNCTION, complications/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ *HYPOPARATHYROIDISM, complications/ MALE/ *MONILIASIS, CUTANEOUS, complications/ SYNDROME

946. **Duckett S, Poirier J, Galle P:** Electron microprobe study of calcifications in human brain tumors. Acta Neuropathol (Berl) 44(2):145–6, 15 Nov 78
*BRAIN NEOPLASMS, analysis/ *CALCINOSIS, pathology/ CARCINOMA, analysis/ CRANIOPHARYNGIOMA, analysis/ ELECTRON PROBE MICROANALYSIS/ FEMALE/ HUMAN/ MENINGIOMA, analysis/ NEOPLASM METASTASIS/ PITUITARY NEOPLASMS, analysis

947. **Dudkiewicz J, Blecharz AJ:** Wartość kliniczna niektórych metod stosowanych w diagnostyce owulacji w czasie leczenia niepłodności czynnościowej klomifenem. Ginekol Pol 49(8):697–705, Aug 78 (Eng. Abstr.) **(Pol)**
ADULT/ *CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *OVULATION DETECTION, methods/ *STERILITY, FEMALE, drug therapy

948. **Dudley RA:** Bone irradiation in thorotrast cases: results of measurements at IAEA. Health Phys 35(1):103–12, Jul 78
ADULT/ *BONE AND BONES, radiation effects/ HUMAN/ MIDDLE AGE/ RADIUM, adverse effects/ *THORIUM DIOXIDE, administration & dosage/ THORIUM DIOXIDE, adverse effects/ THORIUM DIOXIDE, analysis/ UNITED STATES GOV'T SUPPORTED

949. **Duffey PS, Lukasewycz OA, Olson DS, et al:** Differential protective effects of immune lymphoid cells against transplanted line Ib leukemia and immune polioencephalomyelitis. J Immunol 121(6):2316–21, Dec 78
ANIMAL/ CELL SEPARATION/ CORTISONE, pharmacodynamics/ IMMUNITY, PASSIVE/ *LEUKEMIA, EXPERIMENTAL, immunology/ LEUKEMIA, EXPERIMENTAL, prevention & control/ *LYMPHOCYTES, immunology/ MICE/ NEOPLASM TRANSPLANTATION/ *POLIOMYELITIS, immunology/ POLIOMYELITIS, prevention & control/ RABBITS/ T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

950. **Duignan NM, Shaw RW, Glass MR, et al:** Sex hormone levels and gonadotrophin release in premature ovarian failure. Br J Obstet Gynaecol 85(11):862–7, Nov 78
ADOLESCENCE/ ADULT/ AMENORRHEA, physiopathology/ CERVIX UTERI, pathology/ *ESTRADIOL, blood/ FEMALE/ FSH, secretion/ *GONADOTROPINS, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, secretion/ MENOPAUSE, PREMATURE/ OVARIAN DISEASES, blood/ *OVARIAN DISEASES, physiopathology/ *PROGESTERONE, blood

951. **Dunlap K, Fischbach GD:** Neurotransmitters decrease the calcium ocmponent of sensory neurone action potentials. Nature 276(5690):837–9, 21––28 Dec 78
*ACTION POTENTIALS, drug effects/ ANIMAL/ *CALCIUM, physiology/ CHICK EMBRYO/ DEPRESSION, CHEMICAL/ ELECTRIC CONDUCTIVITY/ GANGLIA, SPINAL, physiology/ GABA, pharmacodynamics/ IN VITRO/ ION CHANNELS, physiology/ KINETICS/ *NEURAL TRANSMISSION/ *NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RECEPTORS, SENSORY, physiology/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

952. **Dunn AJ:** The neurochemistry of learning and memory. Environ Health Perspect 26:143–7, Oct 78 (63 ref.)
AMNESIA, chemically induced/ ANALEPTICS, pharmacodynamics/ ANIMAL/ *BRAIN CHEMISTRY/ BRAIN CHEMISTRY, drug effects/ CORTICOTROPIN, physiology/ DEOXYGLUCOSE, diagnostic use/ LEARNING, drug effects/ *LEARNING, physiology/ MEMORY, drug effects/ *MEMORY, physiology/ PROTEINS, biosynthesis/ REVIEW/ SYMPATHOMIMETICS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

953. **Dunn WJ 3d, Wold S:** Structure-activity study of

beta-adrenergic agents using the SIMCA method of pattern recognition. J Med Chem 21(9):922-30, Sep 78
ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, classification/ ADRENERGIC BETA RECEPTOR AGONISTS, metabolism/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, classification/ ADRENERGIC BETA RECEPTOR BLOCKADERS, metabolism/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ FROGS/ IN VITRO/ MODELS, BIOLOGICAL/ RECEPTORS, ADRENERGIC, BETA, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

954. **Dunnick NR, Schaner EG, Doppman JL, et al:** Computed tomography in adrenal tumors. AJR 132(1):43-6, Jan 79
ADENOMA, radiography/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, pathology/ *ADRENAL GLANDS, radiography/ ADULT/ AGED/ CUSHING'S SYNDROME, radiography/ FEMALE/ HUMAN/ HYPERPLASIA/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

955. **Dunnick NR, Reaman GH, Head GL, et al:** Radiographic manifestations of Burkitt's lymphoma in American patients. AJR 132(1):1-6, Jan 79
ABDOMEN, radiography/ ADOLESCENCE/ ADULT/ BONE AND BONES, radiography/ BONE NEOPLASMS, radiography/ *BURKITT'S LYMPHOMA, radiography/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GASTROINTESTINAL NEOPLASMS, radiography/ GASTROINTESTINAL SYSTEM, radiography/ HUMAN/ MALE/ PLEURAL EFFUSION, radiography/ THORACIC RADIOGRAPHY/ UNITED STATES/ UROGENITAL NEOPLASMS, radiography/ UROGRAPHY

956. **Dupont A, Alvarado-Urbina G, Côté J, et al:** Enzymatic degradation of somatostatin by rat plasma and hypothalamus. Can J Physiol Pharmacol 56(5):840-3, Oct 78
ANIMAL/ *HYPOTHALAMUS, enzymology/ IN VITRO/ MALE/ PEPTIDE HYDROLASES, blood/ *PEPTIDE HYDROLASES, metabolism/ RATS/ SOMATOTROPIN RELEASE INHIBITING HORMONE, blood/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, metabolism/ SUBCELLULAR FRACTIONS, enzymology/ SUBSTRATE SPECIFICITY/ TEMPERATURE/ TIME FACTORS

957. **Dupont A, Villeneuve A, Bouchard JP, et al:** Rapid inactivation of enkephalin-like material by C.S.F. in chronic schizophrenia [letter] Lancet 2(8099):1107, 18 Nov 78
ADOLESCENCE/ ADULT/ CHRONIC DISEASE/ *ENDORPHINS, cerebrospinal fluid/ *ENKEPHALINS, cerebrospinal fluid/ ENKEPHALINS, deficiency/ FRIEDREICH'S ATAXIA, cerebrospinal fluid/ HUMAN/ MIDDLE AGE/ *SCHIZOPHRENIA, cerebrospinal fluid

958. **Dupont A, Mérand Y, Barden N:** Effect of propylthiouracil and thyroxine on the inactivation of somatostatin by rat hypothalamus. Life Sci 23(20):2007-11, 13 Nov 78
ANIMAL/ BRAIN, drug effects/ BRAIN, enzymology/ DRUG INTERACTIONS/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, enzymology/ IN VITRO/ MALE/ PEPTIDE HYDROLASES, metabolism/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, metabolism/ *THYROXINE, pharmacodynamics/ TIME FACTORS

959. **Dupont P, Fuss M, Corvilain J:** Diagnostic étiologique de l'hypercalcémie. Etude de 100 cas.
Rev Rhum Mal Osteoartic 45(7-9):491-7, Jul-Sep 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ HUMAN/ HYPERCALCEMIA, blood/ HYPERCALCEMIA, diagnosis/ *HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, complications/ NEOPLASMS, blood/ NEOPLASMS, complications/ OSTEITIS DEFORMANS, blood/ OSTEITIS DEFORMANS, complications/ VITAMIN D, poisoning

960. **Durand P, Bosc M, Nicolle A:** Croissance des surrénales de foetus ovin en fin de gestation: évolution de l'ADN et des protéines membranaires. C R Acad Sci [D] (Paris) 287(4):297-300, 11 Sep 78 (Eng. Abstr.) **(Fre)**
*ADRENAL GLANDS, embryology/ ANIMAL/ *DNA REPLICATION/ ENGLISH ABSTRACT/ FEMALE/ *MEMBRANE PROTEINS, biosynthesis/ ORGAN WEIGHT/ PREGNANCY/ *SHEEP, embryology

961. **Durant JR, Gams RA, Velez-Garcia E, et al:** BCNU, velban, cyclophosphamide, procarbazine, and prednisone (BVCPP) in advanced Hodgkin's disease. Cancer 42(5):2101-10, Nov 78
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ BONE MARROW, drug effects/ CARMUSTINE, administration & dosage/ CHILD/ CYCLOPHOSPHAMIDE, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PROCARBAZINE, administration & dosage/ PROGNOSIS/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINBLASTINE, administration & dosage

962. **Duron F, Trinchet JC, Roudier M, et al:** Hyperthyroïdie et acromégalie. Tumeur hypophysaire.
Ann Med Interne (Paris) 129(8-9):533-7, Aug-Sep 78 **(Fre)**
*ACROMEGALY, etiology/ ADULT/ CASE REPORT/ HUMAN/ *HYPERTHYROIDISM, etiology/ MALE/ *PITUITARY NEOPLASMS, complications/ THYROTROPIN, analysis

963. **Durst J, Heller W:** Atiologie und Pathophysiologie des Polytraumas. Hefte Unfallheilkd (132):41-5, 1978 **(Ger)**
ACCIDENTS, TRAFFIC/ ENDOCRINE GLANDS, physiopathology/ GERMANY, WEST/ *HEMODYNAMICS/ HUMAN/ SHOCK, TRAUMATIC, physiopathology/ SYMPATHETIC NERVOUS SYSTEM, physiopathology/ WATER-ELECTROLYTE IMBALANCE, physiopathology/ *WOUNDS AND INJURIES, etiology/ WOUNDS AND INJURIES, occurrence/ WOUNDS AND INJURIES, physiopathology

964. **Dusting GJ, Moncada S, Vane JR:** Recirculation of prostacyclin (PGI2) in the dog. Br J Pharmacol 64(2):315-20, Oct 78
ANIMAL/ BIOLOGICAL ASSAY/ BLOOD VESSELS, metabolism/ CATTLE/ DOGS/ FEMALE/ HINDLIMB, blood supply/ IN VITRO/ LIVER, blood supply/ LUNG, blood supply/ MALE/ *PROSTAGLANDINS X, blood/ *PROSTAGLANDINS, blood/ RABBITS/ RATS

965. **Dutta AS, Furr BJ, Giles MB, et al:** Synthesis and biological activity of highly active alpha-aza analogues of luliberin. J Med Chem 21(10):1018-24, Oct 78
AMINO ACID SEQUENCE/ ANIMAL/ FEMALE/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, chemical synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OVULATION, drug effects/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

966. **Dvořák K, Bočan P:** EEG záznamy u žen s funkční anovulační sterilitou. Cesk Gynekol 43(9):681-7, Nov 78 (Eng. Abstr.) **(Cze)**
AMENORRHEA, physiopathology/ ANOVULATION, drug therapy/ *ANOVULATION, physiopathology/ *BRAIN, physiopathology/ CLOMIPHENE, therapeutic use/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN

967. **Dyring-Andersen K, Sparsø BH, Kragelund E, et al:** Prognosen ved proctitis haemorrhagica. Ugeskr Laeger 140(49):3051-4, 4 Dec 78 **(Dan)**
ADULT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ *HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ MALE/ MIDDLE AGE/ *PROCTITIS, complications/

PROCTITIS, drug therapy/ PROGNOSIS/ RECURRENCE/ SALICYLAZOSULFAPYRIDINE, therapeutic use

968. **Dzieniszewski GP, Kessler E, Gamstätter G, et al:** Mesenterialvenenthrombose und orale Ovulationshemmer. Med Klin 73(46):1627–32, 17 Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *MESENTERIC VEINS/ MESENTERIC VEINS, drug effects/ MESENTERIC VEINS, pathology/ MESENTERIC VEINS, surgery/ *THROMBOSIS, chemically induced/ THROMBOSIS, diagnosis/ THROMBOSIS, pathology/ THROMBOSIS, surgery

E

969. **Eaglstein WH, Mertz PM:** New methods for assessing epidermal wound healing: the effects of triamcinolone acetonide and polyethelene film occlusion. J Invest Dermatol 71(6):382–4, Dec 78
ANIMAL/ EVALUATION STUDIES/ *OCCLUSIVE DRESSINGS/ *POLYETHYLENES/ SKIN, pathology/ SWINE/ *TRIAMCINOLONE ACETONIDE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WOUND HEALING/ WOUNDS, PENETRATING, therapy

970. **Eastin WC Jr, Spaziani E:** On the control of calcium secretion in the avian shell gland (uterus). Biol Reprod 19(3):493–504, Oct 78
ANIMAL/ *CALCIUM, secretion/ *CHICKENS, physiology/ FEMALE/ *OVIDUCTS, secretion/ OVIPOSITION/ *OVULATION

971. **Eastment CT, Sirbasku DA:** Platelet derived growth factor(s) for a hormone-responsive rat mammary tumor cell line. J Cell Physiol 97(1):17–27, Oct 78
*BLOOD PLATELETS, analysis/ *CELL DIVISION, drug effects/ CELL LINE/ EPIDERMAL GROWTH FACTORS, pharmacodynamics/ FEMALE/ GROWTH SUBSTANCES, blood/ *GROWTH SUBSTANCES, pharmacodynamics/ HEAT/ HORMONES, pharmacodynamics/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL/ *NEOPLASMS, HORMONE-DEPENDENT/ RATS/ THROMBIN, pharmacodynamics

972. **Ecke H:** Verletzungen des knöchernen Skelets beim Polytraumatisierten. Chirurg 49(12):727–30, Dec 78 **(Ger)**
ACCIDENTS/ *BONE AND BONES, injuries/ HUMAN/ SKULL, injuries/ THORACIC INJURIES/ *WOUNDS AND INJURIES, complications/ WOUNDS AND INJURIES, surgery

973. **Eddy TP:** Falls and femoral fractures [letter] Br Med J 2(6142):955, 30 Sep 78
*ACCIDENTS, HOME/ AGED/ BONE AND BONES, physiopathology/ *FEMORAL FRACTURES, etiology/ FEMORAL FRACTURES, mortality/ HUMAN

974. **Edelstein S, Noff D:** Low phosphorus intake and vitamin D metabolism and expression in rats. Adv Exp Med Biol 103:413–20, 1978
ANIMAL/ CALCIUM, blood/ CALCIUM, deficiency/ CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINAL MUCOSA, metabolism/ MALE/ PHOSPHORUS, blood/ *PHOSPHORUS, deficiency/ PROTEIN BINDING/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D, metabolism

975. **Edelstein S, Noff D, Freeman D, et al:** Synthesis of 1 alpha-hydroxy[7-3H]cholecalciferol and its metabolism in the chick. Biochem J 176(1):111–7, 15 Oct 78
ANIMAL/ CHICKENS/ CHROMATOGRAPHY, ION EXCHANGE/ HYDROXYCHOLECALCIFEROLS, chemical synthesis/ *HYDROXYCHOLECALCIFEROLS, metabolism/ MALE/ TISSUE DISTRIBUTION/ VITAMIN D, metabolism

976. **Edén S:** The secretory pattern of growth hormone. An experimental study in the rat. Acta Physiol Scand [Suppl] (458):1–54, 1978
AGE FACTORS/ AMINO ACIDS, metabolism/ ANIMAL/ BRAIN, metabolism/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, pharmacodynamics/ DIAPHRAGM, drug effects/ ELECTROSHOCK/ FEMALE/ GROWTH/ HYDROXYTRYPTOPHAN, metabolism/ HYPOPHYSECTOMY/ MALE/ NEURAL TRANSMISSION, drug effects/ NEUROHUMORS, metabolism/ *NEUROHUMORS, physiology/ RATS/ RECEPTORS, ADRENERGIC, physiology/ RESERPINE, pharmacodynamics/ SECRETORY RATE, drug effects/ SEROTONIN, metabolism/ SEX FACTORS/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ *SYMPATHETIC NERVOUS SYSTEM, physiology

977. **Eder M:** Mehr Myome durch orale Kontrazeptiva? MMW 120(50):1662, 8 Dec 78 **(Ger)**
*CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *LEIOMYOMA, chemically induced/ *UTERINE NEOPLASMS, chemically induced

978. **Edgerton MT, Sheppe WM Jr, Turner UG 3d, et al:** Transsexualism. An insight into the power of psychologic gender—a panel discussion. Pharos 41(4):31–6, Oct 78
FEMALE/ GENDER IDENTITY/ HUMAN/ JURISPRUDENCE/ MALE/ SEX HORMONES, administration & dosage/ SURGERY, PLASTIC/ *TRANSSEXUALISM/ TRANSSEXUALISM, psychology/ TRANSSEXUALISM, surgery

979. **Edmonds JP:** SLE: the value of immunological tests and aspects of management. Aust NZ J Med 8 Suppl 1:116–23, 1978
ADRENAL CORTEX HORMONES, therapeutic use/ *ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ BRAIN DISEASES, diagnosis/ BRAIN DISEASES, etiology/ BRAIN DISEASES, therapy/ *COMPLEMENT, analysis/ *DNA, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, etiology/ KIDNEY DISEASES, therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, therapy

980. **Edozien JC, Niehaus N, Mar MH, et al:** Diet-hormone interrelationships in the rat. J Nutr 108(11):1767–76, Nov 78
ANIMAL/ CORTICOSTERONE, blood/ *DIET/ DIETARY FATS, metabolism/ DIETARY PROTEINS, metabolism/ ENERGY METABOLISM/ EPINEPHRINE, blood/ GLUCAGON, blood/ *HORMONES, blood/ INSULIN, blood/ MALE/ NOREPINEPHRINE, blood/ RATS/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

981. **Edvabnaia EM, Kiandarian GG:** Rentgenologicheskie izmeneniia serdechno-sosudistoi sistemy pri akromegalii. Vestn Rentgenol Radiol (5):69–74, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
*ACROMEGALY, radiography/ ADULT/ AGED/ *CARDIOVASCULAR SYSTEM, radiography/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEART, radiography/ HUMAN/ HYPERTENSION, radiography/ MIDDLE AGE

982. **Edvinsson L, Hardebo JE, McCulloch J, et al:** Effects of dopaminergic agonists and antagonists on isolated cerebral blood vessels. Acta Physiol Scand 104(3):349–59, Nov 78
ANIMAL/ APOMORPHINE, pharmacodynamics/ CATS/ *CEREBRAL ARTERIES, drug effects/ DEOXYEPINEPHRINE, pharmacodynamics/ DOPAMINE, pharmacodynamics/ FEMALE/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MALE/ METHYSERGIDE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *RECEPTORS, DOPAMINE, physiology/ SEROTONIN, pharmacodynamics/ SYMPATHECTOMY/ *SYMPATHOLYTICS, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics/ VASOCONSTRICTOR AGENTS/ VASODILATOR AGENTS

983. **Edwards DJ:** Phenylethanolamine is a specific substrate for type B monoamine oxidase. Life Sci 23(11):1201–7, 18 Sep 78

ANIMAL/ BRAIN, enzymology/ CHROMATOGRAPHY, THIN LAYER/ CLORGYLINE, pharmacodynamics/ DEPRENYL, pharmacodynamics/ IN VITRO/ KINETICS/ LIVER, enzymology/ MALE/ MONOAMINE OXIDASE INHIBITORS/ *MONOAMINE OXIDASE, metabolism/ *PHENETHYLAMINES, metabolism/ RATS/ SEROTONIN, metabolism/ *2-HYDROXYPHENETHYLAMINE, metabolism/ 2-HYDROXYPHENETHYLAMINE, pharmacodynamics

984. **Efendic S, Lins PE, Unnäs-Wallensten K:** Extrahypophyseal effects of somatostatin. Ann Clin Res 10(3):151-6, 1978 (57 ref.)
ANIMAL/ CATS/ DOGS/ GASTRIC JUICE, secretion/ GASTROINTESTINAL HORMONES, secretion/ GLUCAGON, secretion/ GLUCOSE, metabolism/ HUMAN/ INSULIN, secretion/ PANCREAS, physiology/ RATS/ REVIEW/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, therapeutic use/ THYROID HORMONES, secretion

985. **Eganova VS, Baklavadzhian OG, Khudoian EA:** Sravnitel'naia kharakteristika gipotalamo-korkovykh i retikulo-korkovykh vyzvannykh potentsialov. Fiziol Zh SSSR 64(10):1361-71, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BRAIN MAPPING/ CATS/ *CEREBRAL CORTEX, physiology/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ EVOKED POTENTIALS, drug effects/ *HYPOTHALAMUS, physiology/ *MESENCEPHALON, physiology/ NEURAL PATHWAYS, physiology/ NOREPINEPHRINE, pharmacodynamics/ *RETICULAR FORMATION, physiology

986. **Egbunike GN, Elemo AO:** Testicular and epididymal sperm reserves of crossbred European boars raised and maintained in the humid tropics. J Reprod Fertil 54(2):245-8, Nov 78
ANIMAL/ CELL NUMBER/ *EPIDIDYMIS/ EPIDIDYMIS, anatomy & histology/ HUMIDITY/ MALE/ ORGAN WEIGHT/ *SPERMATOZOA, cytology/ *SWINE, anatomy & histology/ SWINE, physiology/ *TESTIS/ TESTIS, anatomy & histology/ *TROPICAL CLIMATE

987. **Egger H, Christ F:** Deszendierende Salpingitis nach perforierter Appendizitis. (Zur Genese der Eileiterentzündung bei abszedierenden Beckenerkrankungen). Geburtshilfe Frauenheilkd 38(11):941-2, Nov 78 (Eng. Abstr.) **(Ger)**
ABSCESS, complications/ ADULT/ *APPENDICITIS, complications/ CASE REPORT/ DOUGLAS' POUCH/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARIAN DISEASES, complications/ PERITONITIS, complications/ *SALPINGITIS, etiology

988. **Eghbali H, Hoerni-Simon G, Durand M, et al:** Hodgkin's disease treated by chemotherapy and large field irradiation. Hematologic effects. Acta Radiol [Ther] (Stockh) 17(4):289-95, 1978
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD CELL COUNT/ *BLOOD CELLS/ BLOOD CELLS, drug effects/ BLOOD CELLS, radiation effects/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, radiation effects/ CHILD/ CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, radiation effects/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, radiotherapy/ *HODGKIN'S DISEASE, therapy/ HUMAN/ LEUKOCYTES, drug effects/ LEUKOCYTES, radiation effects/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ PROCARBAZINE, adverse effects/ PROCARBAZINE, therapeutic use/ *RADIOTHERAPY, adverse effects/ VINBLASTINE, adverse effects/ VINBLASTINE, therapeutic use

989. **Egi S:** [Insulin therapy and behaviors of insulin antagonist hormones, with special reference to the reactions of growth hormone and cortisol during the hypoglycemic stage in juvenile diabetes] Horumon To Rinsho 26(9):947-51, Sep 78 **(Jpn)**
ADOLESCENCE/ CASE REPORT/ CHILD/ DIABETES MELLITUS, JUVENILE, blood/ *DIABETES MELLITUS, JUVENILE, drug therapy/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOGLYCEMIA, complications/ *INSULIN, therapeutic use/ MALE/ *SOMATOTROPIN, blood

990. **Egly JM:** Charge-transfer chromatography: an efficient method for separation of nucleosides, nucleotides and cyclic nucleotides on acriflavin--Sephadex. FEBS Lett 93(2):369-72, 15 Sep 78
ACRIFLAVINE/ *ADENINE NUCLEOTIDES, isolation & purification/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ CHROMATOGRAPHY, methods/ DEXTRANS/ LIGANDS/ *NUCLEOSIDES, isolation & purification/ NUCLEOTIDES, CYCLIC, isolation & purification

991. **Ehlers N, Bramsen T:** Management of late corneal graft problems. Acta Ophthalmol (Copenh) 56(6):984-97, Dec 78
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CASE REPORT/ *CORNEA, transplantation/ *CYCLOHEXANECARBOXYLIC ACIDS, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ *GRAFT REJECTION/ HUMAN/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS, drug therapy/ TIME FACTORS/ *TRANEXAMIC ACID, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

992. **Ehrhardt AA:** Behavioral effects of estrogen in the human female. Pediatrics 62(6 Pt 2):1166-70, Dec 78
*BEHAVIOR, drug effects/ CELL DIFFERENTIATION, drug effects/ CHILD/ CONTRACEPTIVE AGENTS, FEMALE, pharmacodynamics/ DOUBLE-BLIND METHOD/ *ESTROGENS, therapeutic use/ FEMALE/ FETUS/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ *MEDROXYPROGESTERONE, therapeutic use/ MENOPAUSE, drug effects/ MENSTRUATION, drug effects/ PREGNANCY/ *PROGESTATIONAL HORMONES, therapeutic use/ *THYROID HORMONES, therapeutic use

993. **Ehrlich YH, Davis LG, Brunngraber EG:** Effects of decapitation-stress on the phosphorylation of cortical membrane proteins. Brain Res Bull 3(3):251-5, May-Jun 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ AUTORADIOGRAPHY/ *CEREBRAL ANOXIA, metabolism/ *CEREBRAL CORTEX, metabolism/ *CEREBRAL ISCHEMIA, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ MALE/ *MEMBRANE PROTEINS, metabolism/ PHOSPHATES, metabolism/ PHOSPHORYLATION/ RATS/ RATS, INBRED STRAINS

994. **Eibach E, Voss AC, Junker A:** Die Hodentumoren aus strahlentherapeutischer Sicht. Dtsch Med Wochenschr 103(50):2003-7, 15 Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ LIFE EXPECTANCY/ LYMPHATIC SYSTEM/ MALE/ MIDDLE AGE/ PROGNOSIS/ *TESTICULAR NEOPLASMS, radiotherapy/ TIME FACTORS

995. **Eichenbrener Y, Iaina A, Serban I, et al:** [Renin activity in amniotic fluid and maternal and cord blood in toxemia of pregnancy] Harefuah 95(5-6):153-5, Sep 78 (Eng. Abstr.) **(Heb)**
*AMNIOTIC FLUID, enzymology/ ENGLISH ABSTRACT/ FEMALE/ *FETAL BLOOD, enzymology/ HUMAN/ *PREGNANCY TOXEMIAS, enzymology/ PREGNANCY/ *RENIN, analysis/ RENIN, blood

996. **Eigenmann F, Bürgi H:** Lithiumacetat, ein nützliches und gut verträgliches Thyreostatikum für ausgewählte Fälle von Hyperthyreose. Schweiz Med Wochenschr 108(47):1850-3, 25 Nov 78 (Eng. Abstr.) **(Ger)**
*ACETATES, therapeutic use/ ADULT/ AGED/ CARBIMAZOLE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, drug therapy/

GOITER, NODULAR, drug therapy/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ *LITHIUM, therapeutic use/ METHIMAZOLE, therapeutic use/ MIDDLE AGE

997. **Eiler H:** Effect of luteinizing hormone on ovarian release of steroids: ovarian vein-sampling technique in conscious gilt. Am J Vet Res 39(10):1695–8, Oct 78
ANIMAL/ BLOOD SPECIMEN COLLECTION, methods/ *BLOOD SPECIMEN COLLECTION, veterinary/ *ESTROGENS, blood/ FEMALE/ *LH, pharmacodynamics/ OVARY, blood supply/ *OVARY, drug effects/ OVARY, secretion/ *PROGESTERONE, blood/ *SWINE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VEINS

998. **Eipper BA, Mains RE:** Existence of a common precursor to ACTH and endorphin in the anterior and intermediate lobes of the rat pituitary. J Supramol Struct 8(3):247–62, 1978
ANIMAL/ ANTIBODY SPECIFICITY/ ANTIGENIC DETERMINANTS/ *CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, immunology/ *ENDORPHINS, biosynthesis/ ENDORPHINS, immunology/ MALE/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ PEPTIDE FRAGMENTS, metabolism/ *PITUITARY GLAND, metabolism/ PITUITARY GLAND, ANTERIOR, metabolism/ *PROTEIN PRECURSORS, metabolism/ RATS/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

999. **Eisenbeiss JA:** Acute management of dorsal and dorsolumbar spinal cord injuries (neurosurgical aspects). Proc Veterans Adm Spinal Cord Inj Conf (19):133–9, 29–31 Oct 73
DEXAMETHASONE, administration & dosage/ FEMALE/ HUMAN/ IMMOBILIZATION/ LAMINECTOMY/ *LUMBAR VERTEBRAE, injuries/ LUMBAR VERTEBRAE, surgery/ MALE/ PARAPLEGIA, drug therapy/ *PARAPLEGIA, surgery/ SPINAL CORD INJURIES, drug therapy/ *SPINAL CORD INJURIES, surgery

1000. **Eisenfeld AJ, Aten RF, Weinberger MJ:** Oral contraceptives--possible mediation of side effects via an estrogen receptor in liver. Biochem Pharmacol 27(22):2571–5, 1978
ANIMAL/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *LIVER, physiology/ RATS/ *RECEPTORS, ESTROGEN, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1001. **Eisenmenger W, Schuck M, Wilske J:** Ein ungewöhnlicher postoperativer Zwischenfall. Beitr Gerichtl Med 36:171–4, 1978 (Eng. Abstr.) **(Ger)**
*APPENDECTOMY, mortality/ AUTOPSY/ CASE REPORT/ CHILD/ CRANIOPHARYNGIOMA, mortality/ *CRANIOPHARYNGIOMA, pathology/ ENGLISH ABSTRACT/ HUMAN/ MALE/ PITUITARY NEOPLASMS, mortality/ *PITUITARY NEOPLASMS, pathology

1002. **Eisenstein E, Plotnick L, Lanes R, et al:** Evaluation of the growth hormone exercise test in normal and growth hormone-deficient children. Pediatrics 62(4):526–8, Oct 78
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ *EXERTION/ FEMALE/ HUMAN/ MALE/ *PITUITARY FUNCTION TESTS/ PITUITARY FUNCTION TESTS, standards/ *SOMATOTROPIN, deficiency/ SOMATOTROPIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1003. **Ekert H, Waters KD:** Hematologic emergencies in children. Paediatrician 7(4–5):183–98, 1978
ACUTE DISEASE/ ADOLESCENCE/ ANEMIA, APLASTIC, diagnosis/ ANEMIA, APLASTIC, therapy/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, diagnosis/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, drug therapy/ ASPIRIN, adverse effects/ BLOOD TRANSFUSION, adverse effects/ CASE REPORT/ CEREBRAL HEMORRHAGE, diagnosis/ CHILD/ *EMERGENCIES/ FEMALE/ GLUCOSEPHOSPHATASE DEFICIENCY, diagnosis/ *HEMATOLOGIC DISEASES, diagnosis/ HUMAN/ KIDNEY FAILURE, ACUTE, diagnosis/ LEUKEMIA, complications/ MALE/ NEUTROPENIA, diagnosis/ PREDNISOLONE, therapeutic use/ PURPURA, THROMBOPENIC, chemically induced/ UREA, blood/ URIC ACID, blood

1004. **El Etreby MF, El Bab MR:** Effect of 17 beta-estradiol on cells stained for FSH beta and/or LH beta in the dog pituitary gland. Cell Tissue Res 193(2):211–8, 17 Oct 78
ANIMAL/ DOGS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, analysis/ IMMUNOENZYME TECHNICS/ LH, analysis/ PITUITARY GLAND, analysis/ PITUITARY GLAND, cytology/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, ANTERIOR, analysis/ PITUITARY GLAND, ANTERIOR, cytology/ THYROTROPIN, analysis

1005. **Elattar TM:** Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. J Oral Pathol 7(5):253–82, Oct 78 (612 ref.)
*ABORTION, THERAPEUTIC/ ANIMAL/ BONE RESORPTION, drug effects/ FEMALE/ HUMAN/ *LABOR, INDUCED/ PERIODONTAL DISEASES, drug therapy/ *PERIODONTAL DISEASES, etiology/ PREGNANCY/ *PROSTAGLANDIN ANTAGONISTS, therapeutic use/ *PROSTAGLANDINS, therapeutic use/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1006. **Elattar TM:** Metabolism of estrone and progesterone in vitro in human saliva. J Steroid Biochem 6(10):1455–8, Oct 75
CHROMATOGRAPHY, THIN LAYER/ CHRONIC DISEASE/ *ESTRONE, metabolism/ GINGIVAL DISEASES, metabolism/ HUMAN/ INFLAMMATION/ *PROGESTERONE, metabolism/ *SALIVA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1007. **Elattar TM:** Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. J Oral Pathol 7(5):239–52, Oct 78 (0 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BEHAVIOR, drug effects/ BODY TEMPERATURE REGULATION, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, drug effects/ CEREBROVASCULAR CIRCULATION, drug effects/ CORPUS LUTEUM, drug effects/ FEMALE/ FERTILIZATION, drug effects/ GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ MALE/ MENSTRUATION, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NEURAL TRANSMISSION, drug effects/ NEUROHUMORS, metabolism/ NEURONS, drug effects/ *PROSTAGLANDINS/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ REPRODUCTION, drug effects/ RESPIRATORY SYSTEM, drug effects/ REVIEW

1008. **Elberg AJ, Gorman HM, Baker R, et al:** Prolonged nitroprusside and intermittent hemodialysis as therapy for intractable hypertension. Am J Dis Child 132(10):988–9, Oct 78
CASE REPORT/ CHILD/ *FERRICYANIDES, therapeutic use/ *HEMODIALYSIS/ HUMAN/ *HYPERTENSION, therapy/ MALE/ NITROPRUSSIDE, administration & dosage/ NITROPRUSSIDE, metabolism/ *NITROPRUSSIDE, therapeutic use/ THIOCYANATES, biosynthesis/ THIOCYANATES, blood

1009. **Elder MG, Myatt L, Chaudhuri G:** The effect of norgestrel and clogestone on the spontaneous motility of the human fallopian tube. Int J Fertil 23(1):61–4, 1978
CLOGESTONE, administration & dosage/ *CLOGESTONE, pharmacodynamics/ *FALLOPIAN TUBES, drug effects/ FEMALE/ HUMAN/ HYSTERECTOMY/ MENSTRUATION, LUTEAL PHASE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NORGESTREL, administration & dosage/ *NORGESTREL, pharmacodynamics/ *PREGNADIENEDIOLS, pharmacodynamics

1010. **Elfellah MS, Turnbull MJ:** Effect of pretreatment with bronchodilator drugs on in vitro responsiveness of guinea pig lung adenylate cyclase. Eur J Pharmacol 51(3):211–7, 1 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ALBUTEROL, pharmacodynamics/ ANIMAL/ *BRONCHODILATOR AGENTS, pharmacodynamics/ IN VITRO/ ISOPROTERENOL,

pharmacodynamics/ LUNG, drug effects/ *LUNG, enzymology/ MALE/ MICE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ TRACHEA, drug effects

1011. **Elguindi AS, Chaudhary BA, Harrison GN, et al:** Idiopathic Schwartz-Bartter syndrome: an indication for screening fiberoptic bronchoscopy. J Med Assoc Ga 68(1):38–9, Jan 79
BRONCHOSCOPY, instrumentation/ *BRONCHOSCOPY, methods/ CARCINOMA, OAT CELL, complications/ CARCINOMA, OAT CELL, diagnosis/ CASE REPORT/ FIBER OPTICS/ HUMAN/ *INAPPROPRIATE ADH SYNDROME, etiology/ LUNG NEOPLASMS, complications/ *LUNG NEOPLASMS, diagnosis/ MALE/ MIDDLE AGE

1012. **Elias L, Portlock CS, Rosenberg SA:** Combination chemotherapy of diffuse histiocytic lymphoma with cyclophosphamide, adriamycin, vincristine and prednisone (CHOP). Cancer 42(4):1705–10, Oct 78
ADOLESCENCE/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ BONE MARROW, drug effects/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ *DOXORUBICIN, administration & dosage/ DOXORUBICIN, adverse effects/ DRUG THERAPY, COMBINATION/ FEMALE/ HEART DISEASES, chemically induced/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISONE, administration & dosage/ PREDNISONE, adverse effects/ REMISSION/ *SARCOMA, RETICULUM CELL, drug therapy/ SARCOMA, RETICULUM CELL, radiotherapy/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VINCRISTINE, administration & dosage/ VINCRISTINE, adverse effects

1013. **Ellefson CR, Woo CM, Miller A, et al:** Synthesis and biological evaluation of some 2-amino-4-aryl-3H-1,5-benzodiazepine analogues of clozapine. J Med Chem 21(9):952–7, Sep 78
ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ AVOIDANCE LEARNING, drug effects/ BRAIN, drug effects/ BRAIN, metabolism/ CLOZAPINE, analogs & derivatives/ *CLOZAPINE, chemical synthesis/ CLOZAPINE, pharmacodynamics/ CORPUS STRIATUM, enzymology/ DEXTROAMPHETAMINE, antagonists & inhibitors/ DEXTROAMPHETAMINE, toxicity/ *DIBENZAZEPINES, chemical synthesis/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MALE/ MICE/ RATS/ *TRANQUILIZING AGENTS, MAJOR, chemical synthesis

1014. **Ellenberger C Jr, Messner KH:** Papillophlebitis: benign retinopathy resembling papilledema or papillitis. Ann Neurol 3(5):438–40, May 78
ADULT/ BETAMETHASONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FUNDUS OCULI/ HUMAN/ MALE/ *OPTIC DISK, blood supply/ OPTIC NEURITIS, diagnosis/ PAPILLEDEMA, diagnosis/ *PHLEBITIS, diagnosis/ PHLEBITIS, drug therapy/ SYNDROME/ VISUAL FIELDS

1015. **Elling H:** Blandet bindevaevssygdom (mixed connective tissue disease) et klinisk syndrom med antistoffer mod ribonukleoprotein. Ugeskr Laeger 140(50):3140–2, 11 Dec 78 (Eng. Abstr.) **(Dan)**
ADULT/ *ANTINUCLEAR FACTORS/ ANTINUCLEAR FACTORS, analysis/ CASE REPORT/ COLLAGEN DISEASES, drug therapy/ *COLLAGEN DISEASES, immunology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, therapeutic use/ *NUCLEOPROTEINS, immunology/ *RIBONUCLEOPROTEINS, immunology

1016. **Ellis D, Kapur S, Antonovych TT, et al:** Focal glomerulosclerosis in children: correlation of histology with prognosis. J Pediatr 93(5):762–8, Nov 78
CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ *GLOMERULONEPHRITIS, pathology/ GLOMERULOSCLEROSIS, FOCAL, drug therapy/ *GLOMERULOSCLEROSIS, FOCAL, pathology/ HUMAN/ KIDNEY DISEASES, etiology/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS/ RETROSPECTIVE STUDIES

1017. **Ellis EF, Shen JC, Schrey MP, et al:** Prostacyclin: a potent stimulator of adrenal steroidogenesis. Prostaglandins 16(4):483–90, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADRENAL CORTEX HORMONES, biosynthesis/ *ADRENAL CORTEX, metabolism/ ANIMAL/ CALCIUM, physiology/ CATS/ CELLS, CULTURED/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS

1018. **Ellis G, Morris R:** A one-tube micromethod for radioimmunoassay of plasma cortisol. Clin Chem 24(11):1954–7, Nov 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT/ MALE/ MICROCHEMISTRY/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ TRANSCORTIN

1019. **Ellison GW, Myers LW:** A review of systemic nonspecific immunosuppressive treatment of multiple sclerosis. Neurology (Minneap) 29(9 Pt 2):132–9, Sep 78 (56 ref.)
AZATHIOPRINE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CORTICOTROPIN, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ IGG, cerebrospinal fluid/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LEVAMISOLE, therapeutic use/ *MULTIPLE SCLEROSIS, drug therapy/ RECURRENCE/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1020. **Elomaa I:** Paraneoplastinen hyperkalsemia. Duodecim 94(22):1390–6, 1978 **(Fin)**
BONE RESORPTION/ HORMONES, ECTOPIC, secretion/ HUMAN/ *HYPERCALCEMIA, etiology/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, blood/ OSTEOCLASTS, metabolism/ *PARATHYROID HORMONE, secretion

1021. **Elsaesser F, Parvizi N, Ellendorff F:** Steroid feedback on luteinizing hormone secretion during sexual maturation in the pig. J Endocrinol 78(3):329–42, Sep 78
ANIMAL/ ANIMALS, NEWBORN, metabolism/ CASTRATION/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ *LH, secretion/ MALE/ *SEX MATURATION/ *SWINE, metabolism/ *TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics

1022. **Elsaesser F, Foxcroft GR:** Maturational changes in the characteristics of oestrogen-induced surges of luteinizing hormone in immature domestic gilts. J Endocrinol 78(3):455–6, Sep 78
ANIMAL/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LH, secretion/ *SEX MATURATION/ *SWINE, physiology

1023. **Elte JW, Wiarda KS, Frölich M, et al:** Normal prolactin response following thyrotrophin releasing hormone in patients with autonomously functioning euthyroid multinodular goitre. Clin Endocrinol (Oxf) 9(5):413–7, Nov 78
ADULT/ AGED/ FEMALE/ *GOITER, NODULAR, metabolism/ HUMAN/ MIDDLE AGE/ *PROLACTIN, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, secretion

1024. **Emanuel RL, Williams GH:** Should blood samples for assay of plasma renin activity be chilled? Clin Chem 24(11):2042–3, Nov 78
*BLOOD SPECIMEN COLLECTION/ COLD/ DRUG STABILITY/ HUMAN/ HYPERTENSION, blood/ POSTURE/ *RENIN, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1025. **Emmertsen K:** Spontan hypoglykaemi ved mesenkymal tumorvaekst i leveren. Ugeskr Laeger 140(50):3144–6, 11 Dec 78 (Eng. Abstr.) **(Dan)**
AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ GLUCAGON, therapeutic use/ HUMAN/ HYPOGLYCEMIA, drug therapy/ *HYPOGLYCEMIA, etiology/ *LIVER NEOPLASMS, complications/ *MESENCHYMOMA, complications/ PREDNISONE, therapeutic use

1026. **Emmett M, Seldin DW:** Disturbances in acid–base balance during hypophosphatemia and phosphate depletion. Adv Exp Med Biol 103:313–25, 1978 (19 ref.)
*ACID–BASE IMBALANCE, etiology/ ALKALIES, metabolism/ ANIMAL/ BONE AND BONES, metabolism/ FRUCTOSE, metabolism/ HUMAN/ *HYPOPHOSPHATEMIA, FAMILIAL, complications/ HYPOPHOSPHATEMIA, FAMILIAL, metabolism/ KIDNEY, metabolism/ *PHOSPHATES, deficiency/ PHOSPHATES, metabolism/ REVIEW

1027. **Emmrich P, Fuchs U, Gödel E:** Zysten im Zottenstroma der Plazenta bei mütterlichem Diabetes mellitus. Zentralbl Allg Pathol 122(4):370–5, 1978 (Eng. Abstr.) **(Ger)**
*CYSTS, pathology/ EDEMA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ *PLACENTA DISORDERS, pathology/ PLACENTA, ultrastructure/ *PREGNANCY IN DIABETES, pathology/ PREGNANCY

1028. **Empey DW:** Asthma. Br Med J 2(6146):1208–10, 28 Oct 78
ADULT/ ASTHMA, drug therapy/ *ASTHMA, therapy/ BRONCHODILATOR AGENTS, therapeutic use/ CHILD/ DESENSITIZATION/ DISODIUM CROMOGLYCATE, therapeutic use/ HUMAN/ PATIENTS, education/ PREDNISOLONE, therapeutic use

1029. **Endo M, Shimizu T, Munakata H, et al:** Composition of acidic glycoconjugates (glycosaminoglycans and glycoprotein) in myometrium of rabbit uterus under estrogenic condition. Tohoku J Exp Med 126(2):103–10, Oct 78
ANIMAL/ CASTRATION/ CHONDROITIN SULFATES, analysis/ DERMATAN SULFATE, analysis/ *ESTROGENS, pharmacodynamics/ FEMALE/ *GLYCOPROTEINS, analysis/ *GLYCOSAMINOGLYCANS, analysis/ *MYOMETRIUM, analysis/ RABBITS/ *UTERUS, analysis

1030. **Endo T, Satoh M, Yoshida H, et al:** [A statistical survey of autopsy cases of malignant goiter (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1007–15, 20 Sep 78 (Eng. Abstr.) **(Jpn)**
*ADENOCARCINOMA, occurrence/ ADENOCARCINOMA, pathology/ ADULT/ *CARCINOMA, occurrence/ CARCINOMA, pathology/ *CARCINOMA, PAPILLARY, occurrence/ CARCINOMA, PAPILLARY, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ JAPAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASMS, MULTIPLE PRIMARY/ *THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology

1031. **Endre C:** Az agy–oedema és kezelésének idószerú kérdései. Orv Hetil 119(49):2983–93, 3 Dec 78 (100 ref.) **(Hun)**
BLOOD–BRAIN BARRIER/ BRAIN EDEMA, cerebrospinal fluid/ BRAIN EDEMA, classification/ *BRAIN EDEMA, therapy/ CEREBRAL ANOXIA, therapy/ CEREBROVASCULAR CIRCULATION/ DIURETICS, therapeutic use/ GLYCERIN, therapeutic use/ HUMAN/ HYPERBARIC OXYGENATION/ HYPOTHERMIA, INDUCED/ INTRACRANIAL PRESSURE/ MANNITOL, therapeutic use/ OXYGEN INHALATION THERAPY/ REVIEW/ STEROIDS, therapeutic use

1032. **Engineer DM, Morris HR, Piper PJ, et al:** The release of prostaglandins and thromboxanes from guinea–pig lung by slow reacting substance of anaphylaxis, and its inhibition. Br J Pharmacol 64(2):211–8, Oct 78
ANIMAL/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ GUINEA PIGS/ HEAT/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ LUNG, drug effects/ *LUNG, metabolism/ PEPTIDE HYDROLASES/ *PROSTAGLANDINS, metabolism/ RADIOIMMUNOASSAY/ SRS–A, antagonists & inhibitors/ *SRS–A, pharmacodynamics/ *THROMBOXANES, metabolism/ TIME FACTORS

1033. **England RJ:** Assessment of nerve growth factor specific activity in tissue culture assay. Exp Cell Res 117(2):445–8, Dec 78
*BIOLOGICAL ASSAY/ DOSE–RESPONSE RELATIONSHIP, DRUG/ *GANGLIA, SPINAL, drug effects/ MATHEMATICS/ *NERVE GROWTH FACTOR, analysis/ NERVE GROWTH FACTOR, pharmacodynamics/ TISSUE CULTURE

1034. **Enjalbert A, Ruberg M, Fiore L, et al:** Dopamine, GABA, PIF et régulation de la sécrétion de prolactine in vitro chez le rat. Ann Endocrinol (Paris) 39(3):237–8, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ *DOPAMINE, physiology/ ENGLISH ABSTRACT/ *GABA, physiology/ HYPOTHALAMUS, physiology/ IN VITRO/ MALE/ *PROLACTIN RELEASE INHIBITING HORMONE, physiology/ *PROLACTIN, secretion/ RATS

1035. **Ennever J, Riggan LJ, Vogel JJ, et al:** Characterization of Bacterionema matruchotii calcification nucleator. J Dent Res 57(4):637–42, Apr 78
*ACTINOMYCETACEAE, analysis/ ACTINOMYCETACEAE, physiology/ AMINO ACIDS, analysis/ APOPROTEINS, analysis/ CALCIFICATION, PHYSIOLOGIC/ CALCIUM/ COMPARATIVE STUDY/ PHOSPHATES, metabolism/ PHOSPHOLIPIDS, analysis/ *PROTEOLIPIDS, analysis/ PROTEOLIPIDS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1036. **Epelu–Opio J:** Cytological changes associated with the functions of the oviduct epithelium during proestrus and estrus in impala, Aepyceros melampus (Lichtenstein, 1812). Anat Anz 144(1):36–47, Jun 78
ANIMAL/ *ANTELOPES, anatomy & histology/ *ARTIODACTYLA, anatomy & histology/ CILIA, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ EPITHELIUM, ultrastructure/ *ESTRUS/ *FALLOPIAN TUBES, ultrastructure/ FEMALE/ GOLGI APPARATUS, ultrastructure/ *PROESTRUS

1037. **Epstein AN:** Consensus, controversies, and curiosities. Fed Proc 37(13):2711–6, Nov 78
*ANGIOTENSIN II, physiology/ ANIMAL/ *BRAIN, physiology/ CIRCADIAN RHYTHM/ ONTOGENY/ RATS/ RECEPTORS, ANGIOTENSIN, physiology/ RECEPTORS, DRUG, physiology/ SODIUM, physiology/ SUBFORNICAL ORGAN, physiology/ *THIRST, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER–ELECTROLYTE BALANCE

1038. **Ericsson CD, Duke JH Jr, Pickering LK, et al:** Systemic absorption of bacitracin after peritoneal lavage. Am J Surg 137(1):65–7, Jan 79
ABSORPTION/ ADRENALECTOMY/ BACITRACIN, administration & dosage/ *BACITRACIN, metabolism/ BACITRACIN, therapeutic use/ CHOLECYSTECTOMY/ HUMAN/ INJECTIONS, INTRAPERITONEAL/ *IRRIGATION, adverse effects/ KIDNEY, drug effects/ *PERITONEAL CAVITY/ PORTACAVAL ANASTOMOSIS/ *SURGICAL WOUND INFECTION, prevention & control/ TIME FACTORS

1039. **Eriksson M, Eriksson T, Sörensen B:** Simultaneous determination of vitamin A, D and E in multivitamin tablets by HPLC. Acta Pharm Suec 15(4):274–81, 1978
CHEMISTRY, PHARMACEUTICAL/ *CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ DRUG COMBINATIONS/ TABLETS/ *VITAMIN A, analysis/ *VITAMIN D, analysis/ *VITAMIN E, analysis

1040. **Escher EH, Nguyen TM, Robert H, et al:** Photoaffinity labeling of the angiotensin II receptor. 1. Synthesis and biological activities of the labeling peptides. J Med Chem 21(9):860–4, Sep 78
*AFFINITY LABELS, chemical synthesis/ AFFINITY LABELS, pharmacodynamics/ *ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, chemical synthesis/ ANGIOTENSIN II, pharmacodynamics/

ANIMAL/ AORTA, drug effects/ AORTA, metabolism/ IN VITRO/ METHODS/ RABBITS/ *RECEPTORS, ANGIOTENSIN, drug effects/ RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP

1041. **Escobar V, Weaver DD:** Aarskog syndrome. New findings and genetic analysis. JAMA 240(24):2638–41, 8 Dec 78
*ABNORMALITIES, MULTIPLE/ ABNORMALITIES, MULTIPLE, diagnosis/ ABNORMALITIES, MULTIPLE, familial & genetic/ ADULT/ ANEMIA, MACROCYTIC, diagnosis/ BODY HEIGHT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *FACE, abnormalities/ FEMALE/ GENES, RECESSIVE/ HEMOCHROMATOSIS, complications/ HEMOCHROMATOSIS, diagnosis/ HUMAN/ LINKAGE (GENETICS)/ LUNG DISEASES, complications/ MALE/ NOONAN SYNDROME, diagnosis/ PEDIGREE/ SCROTUM, abnormalities/ SYNDROME

1042. **Espey LL:** Ovarian contractility and its relationship to ovulation: a review. Biol Reprod 19(3):540–51, Oct 78 (65 ref.)
ANIMAL/ ELECTRIC STIMULATION/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, anatomy & histology/ MUSCLE, SMOOTH, physiology/ NEUROHUMORS, pharmacodynamics/ OVARY, anatomy & histology/ OVARY, drug effects/ OVARY, innervation/ *OVARY, physiology/ *OVULATION/ OXYTOCIN, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ REVIEW/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1043. **Etgen AM, Whalen RE:** Dimethystilbestrol is not antiestrogenic for rat sexual behavior or gonadotropin secretion. Biol Reprod 19(2):454–8, Sep 78
ANIMAL/ *DIMETHYLSTILBESTROL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GONADOTROPINS, secretion/ HYPERTROPHY/ MALE/ OVARY, drug effects/ *POSTURE/ PROGESTERONE, pharmacodynamics/ RATS/ *SEX BEHAVIOR, ANIMAL, drug effects/ *STILBENES, pharmacodynamics/ UTERUS, drug effects

1044. **Evans CA, Kennedy TG:** The importance of prostaglandin synthesis for the initiation of blastocyst implantation in the hamster. J Reprod Fertil 54(2):255–61, Nov 78
ANIMAL/ *BLASTOCYST, physiology/ CASTRATION/ ENDOMETRIUM, blood supply/ EVANS BLUE, diagnostic use/ FEMALE/ *HAMSTERS, physiology/ INDOMETHACIN, pharmacodynamics/ MECLOFENAMIC ACID, pharmacodynamics/ MESOCRICETUS, metabolism/ *MESOCRICETUS, physiology/ *NIDATION/ NIDATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ *PROSTAGLANDINS E, biosynthesis/ UTERUS, drug effects/ UTERUS, metabolism/ VASCULAR RESISTANCE, drug effects

1045. **Evans JP, Rutherford JH, Bagshaw PF:** Orchiopexy in prepubertal boys. Five-year survey. Urology 12(5):509–13, Nov 78
ADOLESCENCE/ ATROPHY/ CHILD/ CHILD, PRESCHOOL/ *CRYPTORCHISM, surgery/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ MALE/ METHODS/ POSTOPERATIVE COMPLICATIONS/ PUBERTY/ TESTIS, pathology

1046. **Evrard M, Leboulleux P, Hermier C:** Role of prostaglandin F2alpha in modulation of LH-stimulated steroidogenesis in vitro in different types of rat and ewe corpora lutea. Prostaglandins 16(4):491–500, Oct 78
ANIMAL/ *CORPUS LUTEUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ INDOMETHACIN, pharmacodynamics/ LH, antagonists & inhibitors/ *LH, pharmacodynamics/ *OVARY, metabolism/ PERFUSION/ *PROGESTERONE, biosynthesis/ PROSTAGLANDINS F, administration & dosage/ *PROSTAGLANDINS F, pharmacodynamics/ PSEUDOPREGNANCY/ RADIOIMMUNOASSAY/ RATS/ SHEEP

1047. **Eyer CL, Johnson WE:** Negative chronotropic action of cyclic AMP on the fetal rat heart in organ culture. Eur J Pharmacol 51(4):423–8, 15 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ DEPRESSION, CHEMICAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ FEMALE/ *FETAL HEART, drug effects/ *HEART RATE, drug effects/ MYOCARDIUM, metabolism/ ORGAN CULTURE/ PREGNANCY/ RATS

F

1048. **Faarup P, Nørgaard T, Elling F, et al:** Structural changes in kidneys of patients with oliguric extracapillary glomerulonephritis during immunosuppressive therapy. Acta Pathol Microbiol Scand [A] 86A(5):409–14, Sep 78
ADULT/ AZATHIOPRINE, therapeutic use/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLOMERULONEPHRITIS, drug therapy/ *GLOMERULONEPHRITIS, pathology/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ KIDNEY GLOMERULUS, drug effects/ KIDNEY GLOMERULUS, pathology/ KIDNEY, drug effects/ *KIDNEY, pathology/ KIDNEY, physiopathology/ MALE/ MIDDLE AGE/ OLIGURIA/ PREDNISONE, therapeutic use

1049. **Faber J, Kirkegaard BC, Rogowski P, et al:** Urinary excretion of 3,3',5'-triiodothyronine (reverse T3). Clin Endocrinol (Oxf) 9(3):279–82, Sep 78
ADOLESCENCE/ ADULT/ AGED/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, urine/ HYPOTHYROIDISM, urine/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ *TRIIODOTHYRONINE, urine/ *TRIIODOTHYRONINE, REVERSE, urine

1050. **Fabre C, Signoret JP:** Etude du comportement de type mâle induit par traitement hormonal de brebis adultes ovariectomisées. Probl Actuels Endocrinol Nutr (21):107–17, 1977 **(Fre)**
ANIMAL/ CASTRATION/ ESTRADIOL, physiology/ FEMALE/ SEX BEHAVIOR, ANIMAL, drug effects/ *SEX BEHAVIOR, ANIMAL, physiology/ *SHEEP, physiology/ STANOLONE, pharmacodynamics/ *TESTOSTERONE, physiology

1051. **Facchinetti F, Genazzani AR:** Critical assessment of celite column chromatography in a multiple steroid radioimmunoassay system. J Nucl Med Allied Sci 22(2):61–6, Apr-Jun 78
*CHROMATOGRAPHY, methods/ FEMALE/ HUMAN/ RADIOIMMUNOASSAY, methods/ *STEROIDS, blood

1052. **Fagan JM, Stern LZ:** Steroid myopathy. Ariz Med 35(10):657–9, Oct 78
*ADRENAL CORTEX HORMONES, adverse effects/ HUMAN/ *MUSCULAR DISEASES, chemically induced

1053. **Failla ML, Cousins RJ:** Zinc accumulation and metabolism in primary cultures of adult rat liver cells. Regulation by glucocorticoids. Biochim Biophys Acta 543(3):293–304, 18 Oct 78
CELLS, CULTURED/ CYTOSOL, metabolism/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLUCOCORTICOIDS, pharmacodynamics/ *LIVER, metabolism/ LIVER, ultrastructure/ METALLOTHIONEIN, biosynthesis/ METALLOTHIONEIN, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *ZINC, metabolism

1054. **Fan DF, VanCura S, Hartsock RJ:** Comparative studies on the steroid metabolism in mammals. I. Characterization of 17 beta-hydroxysteroid dehydrogenase from monkey liver. Gen Comp Endocrinol 35(4):465–74, Aug 78
ANDROSTENEDIONE, metabolism/ ANIMAL/ COMPARATIVE STUDY/ DEHYDROEPIANDROSTERONE, metabolism/ ESTRONE, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ *LIVER, enzymology/ *MACACA, metabolism/ MALE/ MONKEYS/ NAD, metabolism/ NADP, metabolism/

PROTEIN DENATURATION/ *RHESUS MONKEYS, metabolism/ SUBSTRATE SPECIFICITY/ 17-HYDROXYSTEROID DEHYDROGENASES, antagonists & inhibitors/ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism

1055. **Fan JS, Coghlan JP, Denton DA, et al:** Blood pressure and metabolic effects of ACTH in anephric sheep. Clin Exp Pharmacol Physiol 5(6):673-7, Nov-Dec 78
ADRENAL CORTEX HORMONES, blood/ ANIMAL/ *BLOOD PRESSURE, drug effects/ *CORTICOTROPIN, pharmacodynamics/ FEMALE/ HEART RATE, drug effects/ *KIDNEY, physiology/ NEPHRECTOMY/ POTASSIUM, blood/ SHEEP/ SODIUM, blood

1056. **Fang VS, Furuhashi N:** Partial alleviation of the antitesticular effect of pipecolinomethylhydroxyindane by zinc in rats. J Endocrinol 79(1):151-2, Oct 78
ANIMAL/ *INDANS, pharmacodynamics/ *INDENES, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ *PIPECOLIC ACIDS, pharmacodynamics/ RATS/ *TESTIS, drug effects/ *ZINC, pharmacodynamics

1057. **Fanghanel-S G, Larraza O, Arauco R, et al:** Serum growth hormone and ultrastructural studies of adenohypophysial tissue in bromocriptine treated acromegalic patients. Clin Endocrinol (Oxf) 9(4):289-96, Oct 78
ACROMEGALY, drug therapy/ *ACROMEGALY, pathology/ ACROMEGALY, physiopathology/ ADENOMA, ultrastructure/ ADOLESCENCE/ ADULT/ DRUG INTERACTIONS/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ PITUITARY GLAND, ANTERIOR, secretion/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ PITUITARY NEOPLASMS, ultrastructure/ *SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROTROPIN, secretion/ *2-BROMOERGOCRYPTINE, therapeutic use

1058. **Farber M, Millan VG, Turksoy RN, et al:** Diagnostic evaluation of hirsutism in women by selective bilateral adrenal and ovarian venous catheterization. Fertil Steril 30(3):283-8, Sep 78
ADRENAL GLANDS, secretion/ ADULT/ *ANDROSTENEDIONE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HIRSUTISM, blood/ *HIRSUTISM, diagnosis/ HIRSUTISM, metabolism/ HUMAN/ OVARY, secretion/ *TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 17-KETOSTEROIDS, urine

1059. **Farese RV, Prudente WJ:** On the role of intra-adrenal unesterified cholesterol in the steroidogenic effect of corticotropin. Biochim Biophys Acta 544(1):77-84, 15 Nov 78
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL/ *CHOLESTEROL, metabolism/ *CORTICOSTERONE, biosynthesis/ *CORTICOTROPIN, pharmacodynamics/ KINETICS/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED

1060. **Farfel Z, Iaina A, Levi J, et al:** Proximal renal tubular acidosis: association with familial normaldosteronemic hyperpotassemia and hypertension. Arch Intern Med 138(12):1837-40, Dec 78
ACIDOSIS, RENAL TUBULAR, complications/ *ACIDOSIS, RENAL TUBULAR, familial & genetic/ ACIDOSIS, RENAL TUBULAR, metabolism/ ADULT/ *ALDOSTERONE, blood/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPERKALEMIA, complications/ *HYPERKALEMIA, familial & genetic/ HYPERKALEMIA, metabolism/ HYPERTENSION, complications/ *HYPERTENSION, familial & genetic/ HYPERTENSION, metabolism/ MALE/ MIDDLE AGE

1061. **Farfel Z, Iaina A, Rosenthal T, et al:** Familial hyperpotassemia and hypertension accompanied by normal plasma aldosterone levels: possible hereditary cell membrane defect. Arch Intern Med 138(12):1828-32, Dec 78
ADULT/ *ALDOSTERONE, blood/ CASE REPORT/ CELL MEMBRANE, metabolism/ HUMAN/ HYPERKALEMIA, complications/ *HYPERKALEMIA, familial & genetic/ HYPERKALEMIA, metabolism/ HYPERKALEMIA, physiopathology/ HYPERTENSION, complications/ *HYPERTENSION, familial & genetic/ HYPERTENSION, metabolism/ HYPERTENSION, physiopathology/ INSULIN, diagnostic use/ KIDNEY FUNCTION TESTS/ MALE/ RENIN, blood

1062. **Farhi RL, Monder C:** Analysis of steroidal carboxylic acids by high pressure liquid chromatography. Anal Biochem 90(1):58-68, 1 Oct 78
CARBOXYLIC ACIDS, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *STEROIDS, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP

1063. **Farid NR, Newton RM, Noel EP, et al:** The operation of immunological networks in Graves' disease. Tissue Antigens 12(3):205-11, Sep 78
ADULT/ ANTIGENIC DETERMINANTS/ GOITER, EXOPHTHALMIC, familial & genetic/ *GOITER, EXOPHTHALMIC, immunology/ HAPLOIDY/ HUMAN/ *HL-A ANTIGENS/ IGG, genetics/ PHENOTYPE

1064. **Farley JM, Miles PR:** The sources of calcium for acetylcholine-induced contractions of dog tracheal smooth muscle. J Pharmacol Exp Ther 207(2):340-6, Nov 78
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *CALCIUM, metabolism/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ IPROVERATRIL, pharmacodynamics/ *MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ TRACHEA, drug effects

1065. **Farooqui AA:** Metabolism and role of sulpholipids in mammalian tissues. Int J Biochem 9(10):709-16, 1978 (115 ref.)
ANIMAL/ ARYLSULFATASES, metabolism/ CEREBROSIDES, metabolism/ *GLYCOLIPIDS, metabolism/ KINETICS/ REVIEW/ SPHINGOLIPIDS, metabolism/ STEROIDS, metabolism/ SULFURIC ACIDS, metabolism/ SULFURTRANSFERASES, metabolism

1066. **Farrington K, VArghese Z, Moorhead JF:** Vitamin-D analogues and renal function [letter] Lancet 2(8096):941, 28 Oct 78
*DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ DIHYDROXYCHOLECALCIFEROLS, toxicity/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, administration & dosage/ KIDNEY FAILURE, CHRONIC, physiopathology/ *KIDNEY, drug effects/ KIDNEY, physiopathology

1067. **Fasco MJ, Piper LJ, Kaminsky LS:** Cumene hydroperoxide-supported microsomal hydroxylations of warfarin--a probe of cytochrome P-450 multiplicity and specificity. Biochem Pharmacol 28(1):97-103, 1979
ANIMAL/ BENZENE DERIVATIVES, diagnostic use/ *BENZENE DERIVATIVES, metabolism/ *CYTOCHROME P-450, metabolism/ HYDROXYLATION/ IN VITRO/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ NADP, metabolism/ PEROXIDES, diagnostic use/ *PEROXIDES, metabolism/ PHENOBARBITAL, pharmacodynamics/ PREGNENOLONE CARBONITRILE, pharmacodynamics/ RATS/ STEREOISOMERS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WARFARIN, metabolism

1068. **Fassina G:** Mechanisms of lipomobilization. Adv Exp Med Biol 109:209-23, 1978 (73 ref.)
ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, metabolism/ CALCIUM, metabolism/ HORMONES, physiology/ HYDROLYSIS/ IONS, physiology/ *LIPID MOBILIZATION/ LIPID MOBILIZATION, drug effects/ REVIEW/ SUBCELLULAR FRACTIONS, metabolism/ TRIGLYCERIDES, metabolism

1069. **Fauer RB, Goldstein AM, Green JC, et al:** Clinical aspects of granulomatous orchitis. Urology 12(4):416-9, Oct 78
ADULT/ AGED/ CASE REPORT/ CASTRATION/

*GRANULOMA, diagnosis/ GRANULOMA, etiology/ GRANULOMA, pathology/ HUMAN/ MALE/ MIDDLE AGE/ *ORCHITIS, diagnosis/ ORCHITIS, etiology/ ORCHITIS, pathology/ TESTIS, pathology

1070. **Faul P, Schmiedt E, Kern R:** Die prognostische Bedeutung des zytologischen Differenzierungsgrades beim östrogenbehandelten Prostata-Carcinom. Verlaufskontrolle 496 östrogenbehandelter Prostata-Carcinom-Kranker bis zu einem Zeitraum von 5 Jahren. Urologe [A] 17(6):377–81, Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ AGED/ BIOPSY, NEEDLE/ CELL DIFFERENTIATION/ ENGLISH ABSTRACT/ *ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/ PROSTATIC NEOPLASMS, drug therapy/ *PROSTATIC NEOPLASMS, pathology

1071. **Faundes A, Sivin I, Stern J:** Long acting contraceptive implants. An analysis of menstrual bleeding patterns. Contraception 18(4):355–65, Oct 78
ADOLESCENCE/ ADULT/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, COPPER/ *MENSTRUATION, drug effects/ *NORGESTREL, pharmacodynamics/ *NORGESTRIENONE, pharmacodynamics/ *NORPREGNATRIENES, pharmacodynamics/ TIME FACTORS

1072. **Faustov LA:** Morfologiia iaichnikov pri èksperimental'nom blastomogeneze v mozzhechke. Zh Nevropatol Psikhiatr 78(12):1784–7, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ CEREBELLAR NEOPLASMS, chemically induced/ CEREBELLAR NEOPLASMS, metabolism/ *CEREBELLAR NEOPLASMS, pathology/ ENGLISH ABSTRACT/ FEMALE/ GRAAFIAN FOLLICLE, metabolism/ GRAAFIAN FOLLICLE, pathology/ HISTOCYTOCHEMISTRY/ NEOPLASMS, EXPERIMENTAL/ *OVARY, pathology/ RATS/ 9,10-DIMETHYL-1,2-BENZANTHRACENE

1073. **Fayez JA, Jonas HS, Masterson BJ:** Neoplastic potential of the dysgenetic gonad. Case report. Mo Med 75(11):564–6, Nov 78
ADOLESCENCE/ CASE REPORT/ *CELL TRANSFORMATION, NEOPLASTIC, pathology/ CERVIX NEOPLASMS, familial & genetic/ *CERVIX NEOPLASMS, pathology/ DYSGERMINOMA, familial & genetic/ *DYSGERMINOMA, pathology/ FEMALE/ HUMAN/ PHENOTYPE/ *TURNER'S SYNDROME, pathology

1074. **Fayez JA, Jonas HS:** Virilization in Turner syndrome. Obstet Gynecol 52(4):490–2, Oct 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPLASIA/ *TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, pathology/ *VIRILISM, etiology

1075. **Feder HH, Marrone BL:** Progesterone: its role in the central nervous system as a facilitator and inhibitor of sexual behavior and gonadotropin release. Ann NY Acad Sci 286:331–54, 11 Mar 77 (136 ref.)
ANIMAL/ CENTRAL NERVOUS SYSTEM, drug effects/ *CENTRAL NERVOUS SYSTEM, physiology/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ ESTROGEN ANTAGONISTS/ ESTRUS/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ GUINEA PIGS/ LH, secretion/ LH-FSH RELEASING HORMONE, secretion/ MICE/ NEUROHUMORS, physiology/ OVARY, physiology/ POSTURE/ PREGNANCY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, physiology/ RATS/ REVIEW/ *SEX BEHAVIOR, ANIMAL/ SEX BEHAVIOR, ANIMAL, drug effects/ SHEEP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1076. **Fedianin IuP:** Vliianie gliukokortikoidov na biokhimicheskie pokazateli aktivnosti mezenkhimy pecheni v raznye fazy techeniia ostrogo virusnogo gepatita. Ter Arkh 50(10):70–2, 1978 **(Rus)**
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ FEMALE/ FUCOSE, metabolism/ *HEPATITIS A, drug therapy/ HEPATITIS A, metabolism/ HEXOSES, metabolism/ HUMAN/ *LIVER, metabolism/ MALE/ MIDDLE AGE/ *PREDNISOLONE, therapeutic use

1077. **Fedotov VP, Komolov IS, Pluzhnikova GN:** Funktsional'naia aktivnost' kletok adenogipofiza krys v pervichnoi monosloinoi kul'ture i vliianie na nee nekotorykh reguliatorov. Biull Eksp Biol Med 86(10):491–3, Oct 78 (Eng. Abstr.) **(Rus)**
CELLS, CULTURED/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ *PITUITARY GLAND, ANTERIOR, secretion/ PROLACTIN, secretion/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN, secretion/ *THEOPHYLLINE, pharmacodynamics

1078. **Fedtsova NG, Barabanov VM:** Khrustalikovye i adenogipofizarnye differentsirovki v èktoderme rotovoĭ oblasti kurinykh zarodyshei v usloviiakh kul'tury tkanei. Ontogenez 9(6):609–15, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL DIFFERENTIATION/ CHICK EMBRYO/ *ECTODERM, cytology/ ENGLISH ABSTRACT/ IN VITRO/ *LENS, CRYSTALLINE, embryology/ *MOUTH, embryology/ *PITUITARY GLAND, ANTERIOR, embryology/ TIME FACTORS/ TISSUE CULTURE

1079. **Fee JP, McDonald JR, Dundee JW, et al:** Frequency of previous anaesthesia in an anaesthetic patient population. Br J Anaesth 50(9):917–20, Sep 78
ADOLESCENCE/ ADULT/ ALTHESIN/ *ANESTHESIA, GENERAL/ ANESTHESIA, INTRAVENOUS/ FEMALE/ HALOTHANE/ HUMAN/ MALE/ *MEDICAL HISTORY TAKING/ MIDDLE AGE/ QUESTIONNAIRES/ THIOPENTAL/ TIME FACTORS

1080. **Feigelson M, Noske IG, Goswami AK, et al:** Reproductive tract fluid proteins and their hormonal control. Ann NY Acad Sci 286:273–86, 11 Mar 77 (44 ref.)
ACROSOME, drug effects/ ANIMAL/ ANTIGENIC DETERMINANTS/ BODY FLUIDS, metabolism/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FALLOPIAN TUBES, drug effects/ *FALLOPIAN TUBES, metabolism/ FEMALE/ *GLYCOPROTEINS, metabolism/ IN VITRO/ LUNG, drug effects/ LUNG, metabolism/ MALE/ OVARY, physiology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RABBITS/ REVIEW/ TESTOSTERONE, pharmacodynamics/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTEROGLOBIN, immunology/ *UTEROGLOBIN, metabolism/ UTEROGLOBIN, pharmacodynamics/ UTERUS, drug effects/ *UTERUS, metabolism

1081. **Feigelson P, Kurtz DT:** Hormonal modulation of specific messenger RNA species in normal and neoplastic rat liver. Adv Enzymol 47:275–312, 1978 (59 ref.)
*ALPHA GLOBULINS, genetics/ GENES, STRUCTURAL/ GLUCOCORTICOIDS, pharmacodynamics/ *HEPATOMA, EXPERIMENTAL, metabolism/ *HORMONES, pharmacodynamics/ *LIVER, metabolism/ RECEPTORS, HORMONE, metabolism/ REVIEW/ RNA POLYMERASE I, metabolism/ *RNA, MESSENGER, metabolism/ *RNA, NEOPLASM, metabolism/ SEX HORMONES, pharmacodynamics/ THYROID HORMONES, pharmacodynamics/ *TRYPTOPHAN OXYGENASE, genetics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1082. **Fekete MI, Kanyicska B, Herman JP:** Simultaneous radioenzymatic assay of catecholamines and dihydroxy-phenylacetic acid /DOPAC/; comparison of the effects of drugs on the tuberoinfundibular and striatal dopamine metabolism and on plasma prolactin level. Life Sci 23(15):1549–56, 16 Oct 78
ANIMAL/ CATECHOL METHYLTRANSFERASE, diagnostic use/ *CATECHOLAMINES, analysis/ COMPARATIVE STUDY/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ MALE/ MEDIAN EMINENCE, drug effects/ *MEDIAN EMINENCE, metabolism/ METHODS/ *PHENYLACETATES, analysis/ *PROLACTIN, blood/ RATS/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ TRITIUM, diagnostic use/ *3,4-DIHYDROXYPHENYLACETIC ACID, analysis

1083. **Feldman JM:** Serotonin metabolism in patients with carcinoid

tumors: incidence of 5-hydroxytryptophan-secreting tumors. Gastroenterology 75(6):1109–14, Dec 78
ADULT/ AGED/ CARCINOID TUMOR, blood/ *CARCINOID TUMOR, metabolism/ CARCINOID TUMOR, urine/ FEMALE/ GASTROINTESTINAL NEOPLASMS, metabolism/ GASTROINTESTINAL NEOPLASMS, urine/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ *HYDROXYTRYPTOPHAN, metabolism/ HYDROXYTRYPTOPHAN, urine/ LIVER NEOPLASMS, metabolism/ LIVER NEOPLASMS, urine/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SEROTONIN, blood/ SEROTONIN, urine/ TRYPTAMINES, urine/ TYRAMINE, urine/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1084. **Feldman JM, Blalock JA, Farrell RE, et al:** Plasma and tumor dopamine-beta-hydroxylase activity in patients with familial pheochromocytomas. Metabolism 27(12):1797–802, Dec 78
ADOLESCENCE/ ADULT/ DOPAMINE BETA-HYDROXYLASE, blood/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, metabolism/ *PHEOCHROMOCYTOMA, enzymology/ PHEOCHROMOCYTOMA, familial & genetic/ PHEOCHROMOCYTOMA, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1085. **Feldt-Rasmussen U, Petersen PH, Nielsen H, et al:** Thyroglobulin of varying molecular sizes with different disappearance rates in plasma following subtotal thyroidectomy. Clin Endocrinol (Oxf) 9(3):205–14, Sep 78
ALPHA MACROGLOBULINS, analysis/ ANTIGENS/ HALF-LIFE/ HUMAN/ MOLECULAR WEIGHT/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, analysis/ *THYROGLOBULIN, blood/ THYROGLOBULIN, immunology/ THYROIDECTOMY

1086. **Felt V, Nedvídková J, Kasafirek E:** Užití thyreoliberinu VUFB v perorálním TRH testu při poruchách funkce štítné žlázy. Cas Lek Cesk 117(38–39):1187–90, 29 Sep 78 (Eng. Abstr.) **(Cze)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ *THYROID DISEASES, diagnosis/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood

1087. **Femppel J:** Osteoporose. Fortschr Med 96(45):2277–82, 1 Dec 78 (9 ref.) (Eng. Abstr.) **(Ger)**
ALKALINE PHOSPHATASE, metabolism/ ANABOLIC STEROIDS, therapeutic use/ ANALGESICS, therapeutic use/ BONE AND BONES, radiography/ CALCIUM, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FLUORIDES, therapeutic use/ HUMAN/ MUSCLE RELAXANTS, CENTRAL/ ORTHOPEDICS/ *OSTEOPOROSIS/ PHOSPHATES, therapeutic use/ PHYSICAL THERAPY/ REVIEW/ SODIUM FLUORIDE, adverse effects/ VITAMIN D, therapeutic use

1088. **Fenton S, Somers S, Heath DA:** Preliminary studies with the sensitive cytochemical assay for parathyroid hormone. Clin Endocrinol (Oxf) 9(4):381–4, Oct 78
ADULT/ AGED/ ANIMAL/ BIOLOGICAL ASSAY, methods/ CALCIUM, blood/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ GUINEA PIGS/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPOPARATHYROIDISM, blood/ KIDNEY TUBULES, DISTAL, enzymology/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, blood

1089. **Feramisco JR, Krebs EG:** Inhibition of cyclic AMP-dependent protein kinase by analogues of a synthetic peptide substrate. J Biol Chem 253(24):8968–71, 25 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CATTLE/ ENZYME ACTIVATION/ KINETICS/ MUSCLES, enzymology/ *OLIGOPEPTIDES/ *PROTEIN KINASE, metabolism/ SUBSTRATE SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1090. **Ferguson JC, Schenk WG Jr:** Prostaglandin inhibition by indomethacin: effect on the renal vascular response to hemorrhage in anesthetized dogs. Surg Forum 28:10–11, 1977
ANIMAL/ DOGS/ *HEMORRHAGE, physiopathology/ *INDOMETHACIN, pharmacodynamics/ *KIDNEY, blood supply/ *PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ REGIONAL BLOOD FLOW

1091. **Ferguson JL, Roesel OF, Bottoms GD:** Dexamethasone treatment during hemorrhagic shock: blood pressure, tissue perfusion, and plasma enzymes. Am J Vet Res 39(5):817–24, May 78
ALANINE AMINOTRANSFERASE, blood/ ANIMAL/ ASPARTATE AMINOTRANSFERASE, blood/ *BLOOD CIRCULATION/ *BLOOD PRESSURE/ CARBONATES, blood/ CREATINE KINASE, blood/ *DEXAMETHASONE, therapeutic use/ *DOG DISEASES, drug therapy/ DOG DISEASES, physiopathology/ DOGS/ *ENZYMES, blood/ FEMALE/ KIDNEY, blood supply/ LIVER CIRCULATION/ MALE/ OXYGEN CONSUMPTION/ PANCREAS, blood supply/ PULMONARY CIRCULATION/ REGIONAL BLOOD FLOW/ SHOCK, HEMORRHAGIC, drug therapy/ SHOCK, HEMORRHAGIC, physiopathology/ *SHOCK, HEMORRHAGIC, veterinary

1092. **Ferguson JL, Bottoms GD, Corwin D, et al:** Dexamethasone treatment during hemorrhagic shock: effects independent of increased blood pressure. Am J Vet Res 39(5):825–9, May 78
AMYLASES, blood/ ANIMAL/ *BLOOD PRESSURE/ CARDIAC OUTPUT/ CREATINE KINASE, blood/ *DEXAMETHASONE, therapeutic use/ *DOG DISEASES, drug therapy/ DOG DISEASES, physiopathology/ DOGS/ FEMALE/ KIDNEY, blood supply/ MALE/ PANCREAS, blood supply/ PULMONARY ARTERY, physiopathology/ REGIONAL BLOOD FLOW/ SHOCK, HEMORRHAGIC, drug therapy/ *SHOCK, HEMORRHAGIC, physiopathology/ *SHOCK, HEMORRHAGIC, veterinary

1093. **Ferguson MM, McKay Hart D, Lindsay R, et al:** Progeston therapy for menstrually related aphthae. Int J Oral Surg 7(5):463–70, Oct 78
ADULT/ CLINICAL RESEARCH/ DELAYED-ACTION PREPARATIONS/ DRUG EVALUATION/ FEMALE/ GESTONORONE CAPROATE, administration & dosage/ GESTONORONE CAPROATE, adverse effects/ *GESTONORONE CAPROATE, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ *MEDROXYPROGESTERONE, therapeutic use/ MENSTRUATION/ MIDDLE AGE/ RECURRENCE/ *STOMATITIS, APHTHOUS, drug therapy/ STOMATITIS, APHTHOUS, etiology

1094. **Fernstrom JD:** The effects of tryptophan and diet on brain serotonin synthesis and release. pp. 107–28. In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
AMINO ACIDS, blood/ ANIMAL/ ANTIDEPRESSIVE AGENTS, therapeutic use/ BINDING, COMPETITIVE/ *BRAIN, metabolism/ *DIET/ DIETARY CARBOHYDRATES, metabolism/ DIETARY PROTEINS, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ INSULIN, physiology/ MONOGRAPH/ NEURONS, metabolism/ PROTEIN BINDING/ RATS/ RECEPTORS, SEROTONIN, physiology/ *SEROTONIN, metabolism/ SERUM ALBUMIN, metabolism/ TRYPTOPHAN, blood/ TRYPTOPHAN, metabolism/ *TRYPTOPHAN, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1095. **Ferrari RA, Chakrabarty K, Beyler AL, et al:** Suppression of sebaceous gland development in laboratory animals by 17alpha-propyltestosterone. J Invest Dermatol 71(5):320–3, Nov 78
ADMINISTRATION, ORAL/ ADMINISTRATION, TOPICAL/ *ANDROGEN ANTAGONISTS, pharmacodynamics/ ANDROSTENEDIONE, pharmacodynamics/ ANIMAL/ GUINEA PIGS/ HAMSTERS/ INJECTIONS, SUBCUTANEOUS/ MALE/ *SEBACEOUS GLANDS, drug effects/

SEBACEOUS GLANDS, growth & development/ SEMINAL VESICLES, drug effects/ STANOLONE, pharmacodynamics/ *TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, pharmacodynamics

1096. **Ferraro JW, Fetter AW, Mohler LR, et al:** Synthos--a bioceramic bone replacement material. Surg Forum 28:537, 1977
ANIMAL/ BIODEGRADATION/ *BONE AND BONES, surgery/ *CALCIUM PHOSPHATES/ CERAMICS/ DOGS/ *PROSTHESIS

1097. **Ferris TF:** Prostaglandins, potassium, and Bartter's syndrome. J Lab Clin Med 92(5):663–8, Nov 78 (34 ref.)
*BARTTER'S DISEASE, metabolism/ HUMAN/ *HYPERALDOSTERONISM, metabolism/ KIDNEY, metabolism/ *POTASSIUM, metabolism/ PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS, metabolism/ RENIN, blood/ REVIEW/ VASOPRESSINS, metabolism

1098. **Ferulano GP, Abate S, Zarrilli L, et al:** Considerazioni clinico–diagnostiche sulle tiroiditi linfocitarie. Presentazione di casi clinici. Minerva Chir 33(20):1441–64, 31 Oct 78 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ ADULT/ AGED/ ANTIBODIES, analysis/ AUTOANTIBODIES, analysis/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IMMUNOGLOBULINS, analysis/ MALE/ MIDDLE AGE/ THYROID GLAND, pathology/ THYROID HORMONES, analysis/ THYROID NEOPLASMS, diagnosis/ THYROIDITIS, diagnosis/ *THYROIDITIS, LYMPHOMATOUS, diagnosis/ THYROIDITIS, LYMPHOMATOUS, immunology/ THYROIDITIS, LYMPHOMATOUS, pathology

1099. **Fessler LI, Fessler JH:** Characterization of type III procollagen from chick embryo blood vessels. J Biol Chem 254(1):233–9, 10 Jan 79
*BLOOD VESSELS, analysis/ BONE AND BONES, analysis/ CHICK EMBRYO/ CLOSTRIDIOPEPTIDASE A/ COLLAGEN/ MOLECULAR WEIGHT/ OXIDATION–REDUCTION/ PEPTIDE FRAGMENTS, analysis/ *PROCOLLAGEN/ PROCOLLAGEN, isolation & purification/ PROTEIN DENATURATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1100. **Feuer G, Kellen JA, Kovacs K:** Is there any association between the pharmacologic control of prolactin release and its action on mammary carcinogenesis in the rat?
Clin Endocrinol (Oxf) 6 Suppl:57S–63S, 1977
ANIMAL/ CARBON TETRACHLORIDE, pharmacodynamics/ COUMARINS, pharmacodynamics/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, blood/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, physiopathology/ PHENOBARBITAL, pharmacodynamics/ PROLACTIN, physiology/ *PROLACTIN, secretion/ RATS/ 9,10–DIMETHYL–1,2–BENZANTHRACENE

1101. **Few JD, Gawel MJ, Imms FJ, et al:** A delayed effect of noradrenaline infusion on plasma cortisol level in man [proceedings] J Physiol (Lond) 282:43P, Sep 78
HUMAN/ *HYDROCORTISONE, blood/ HYPOTHALAMO–HYPOPHYSEAL SYSTEM, physiology/ *NOREPINEPHRINE, pharmacodynamics/ NOREPINEPHRINE, physiology/ PITUITARY–ADRENAL SYSTEM, physiology/ SOMATOTROPIN, blood/ TIME FACTORS

1102. **Figlewicz DA, Hofteig JH, Druse MJ:** Maternal deficiency of protein or protein and calories during lactation: effect upon CNS myelin subfraction formation in rat offspring.
Life Sci 23(21):2163–72, 20 Nov 78
AGING/ ANIMAL/ *BRAIN, metabolism/ FEMALE/ *LACTATION/ LIPIDS, biosynthesis/ MOLECULAR WEIGHT/ MYELIN PROTEINS, biosynthesis/ *MYELIN SHEATH, metabolism/ PREGNANCY/ *PROTEIN DEFICIENCY, metabolism/ *PROTEIN–CALORIE MALNUTRITION, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1103. **Figlewicz DP, Filkins JP:** Dexamethasone antagonism of glucose dyshomeostasis in endotoxin shock. Circ Shock 5(3):317–23, 1978
ADIPOSE TISSUE, metabolism/ ANIMAL/ *DEXAMETHASONE, pharmacodynamics/ *GLUCOSE, metabolism/ GLYCOGENOSIS/ MALE/ RATS/ *SHOCK, SEPTIC, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1104. **File SE:** ACTH, but not corticosterone impairs habituation and reduces exploration. Pharmacol Biochem Behav 9(2):161–6, Aug 78
ANIMAL/ *CORTICOSTERONE, pharmacodynamics/ *CORTICOTROPIN, pharmacodynamics/ *EXPLORATORY BEHAVIOR, drug effects/ *HABITUATION (PSYCHOPHYSIOLOGY), drug effects/ MALE/ RATS/ TIME FACTORS

1105. **Filipecki S, Wocial B, Bar–Andziak E, et al:** Wartość prognostyczna wskaźnika aktywności reninowej osocza krwi żylnej nerek u chorych z nadciśnieniem naczyniowo–nerkowym leczonych operacyjnie.
Pol Arch Med Wewn 60(4):329–34, Oct 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENOVASCULAR, blood/ *HYPERTENSION, RENOVASCULAR, surgery/ KIDNEY, blood supply/ MALE/ MIDDLE AGE/ PROGNOSIS/ *RENIN, blood

1106. **Filipov P, Kasakov L:** Effect of oxytocin on the blood glucose concentration. Acta Physiol Pharmacol Bulg 4(1):38–41, 1978
ADULT/ *BLOOD SUGAR, metabolism/ HALF–LIFE/ HUMAN/ MALE/ OXYTOCIN, metabolism/ *OXYTOCIN, pharmacodynamics/ TIME FACTORS

1107. **Finco DR, Rowland GN:** Hypercalcemia secondary to chronic renal failure in the dog: a report of four cases.
J Am Vet Med Assoc 173(8):990–4, 15 Oct 78
ANIMAL/ CASE REPORT/ *DOG DISEASES/ DOG DISEASES, etiology/ DOG DISEASES, pathology/ DOGS/ FEMALE/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, pathology/ *HYPERCALCEMIA, veterinary/ KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY FAILURE, CHRONIC, pathology/ *KIDNEY FAILURE, CHRONIC, veterinary/ KIDNEY, pathology/ MALE

1108. **Fingerman M, Schultz RE, Bordlee BP, et al:** Twenty–four–hour variation of 5–hydroxytryptophan decarboxylase and monoamine oxidase activities in the eyestalks of the fiddler crab, Uca pugilator.
Comp Biochem Physiol [C] 61C(1):171–5, 1978
ANIMAL/ *CIRCADIAN RHYTHM/ CLORGYLINE, pharmacodynamics/ *CRABS, enzymology/ *DOPA DECARBOXYLASE, metabolism/ EYE, enzymology/ HYDROXYTRYPTOPHAN/ ISOENZYMES, metabolism/ *MONOAMINE OXIDASE, metabolism/ PIGMENTATION/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED

1109. **Finin VS, Volotovskii ID, Konev SV:** Vliianiie tsAMF na strukturno–funktsional'nye svoistva éritrotsitov. Tsitologiia 20(8):947–51, Aug 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, pharmacodynamics/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CELL MEMBRANE PERMEABILITY, drug effects/ ELASTICITY/ ENGLISH ABSTRACT/ ERYTHROCYTE MEMBRANE, drug effects/ *ERYTHROCYTES, drug effects/ HUMAN/ KINETICS/ OSMOTIC FRAGILITY, drug effects

1110. **Fink G, Sarkar DK:** Mechanism of first surge of luteinizing hormone and vaginal opening in the normal rat, and effect of neonatal androgen [proceedings] J Physiol (Lond) 282:34P–35P, Sep 78
ADRENALECTOMY/ ANIMAL/ CASTRATION/ FEMALE/ *LH, secretion/ OVULATION/ RATS/ TESTOSTERONE, pharmacodynamics/ *VAGINA, physiology

1111. **Finlay JB, Repo RU:** Cartilage impact in vitro: effect of bone and cement. J Biomech 11(8–9):379–88, 1978
*BONE AND BONES, anatomy & histology/ *BONE CEMENTS/ *CARTILAGE, ARTICULAR, anatomy & histology/ CARTILAGE, ARTICULAR, cytology/

ELASTICITY/ HUMAN/ JOINTS, injuries/ METHACRYLATES/ STRESS, MECHANICAL/ TIBIA, anatomy & histology

1112. **Firat T:** Results of immunosuppressive treatment in Bechçet's disease: report of 55 cases. Ann Ophthalmol 10(10):1421–3, Oct 78
AZATHIOPRINE, therapeutic use/ *BEHCET'S SYNDROME, drug therapy/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG ADMINISTRATION SCHEDULE/ *EYE DISEASES, drug therapy/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ STEROIDS, therapeutic use

1113. **Firlit GS, Bunch WH:** Osteogenesis imperfecta in one of twins. Case report. Clin Orthop (135):39–41, Sep 78
ADOLESCENCE/ ADULT/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *DISEASES IN TWINS/ FEMALE/ HUMAN/ INFANT/ MALE/ OSTEOGENESIS IMPERFECTA, diagnosis/ *OSTEOGENESIS IMPERFECTA, familial & genetic/ TWINS, DIZYGOTIC

1114. **Firmin PB:** Theatre nursing care study: Derbyshire neck--a classic case of an enlarged right lobe of the thyroid gland. Nurs Times 74(46):1896–9, 16 Nov 78
AGED/ CASE REPORT/ FEMALE/ *GOITER, surgery/ HUMAN/ *OPERATING ROOM NURSING/ *THYROIDECTOMY, nursing

1115. **Fisch U:** Infratemporal fossa approach to tumours of the temporal bone and base of the skull. J Laryngol Otol 92(11):949–67, Nov 78
*ADENOMA, CHROMOPHOBE, surgery/ ADULT/ CASE REPORT/ *CHORDOMA, surgery/ CRANIAL FOSSA, POSTERIOR/ FEMALE/ *GLOMUS JUGULARE TUMOR, surgery/ HUMAN/ MALE/ METHODS/ *NASOPHARYNGEAL NEOPLASMS, surgery/ *PARAGANGLIOMA, NONCHROMAFFIN, surgery/ *PITUITARY NEOPLASMS, surgery/ TEMPORAL BONE

1116. **Fischer DS, Katz ME, Wiggans RG:** The therapy of advanced breast cancer. Conn Med 42(10):634–9, Oct 78
ADULT/ AGED/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, radiotherapy/ BREAST NEOPLASMS, surgery/ *BREAST NEOPLASMS, therapy/ DRUG THERAPY, COMBINATION/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM STAGING/ RECEPTORS, ESTROGEN

1117. **Fischer-Dzoga K:** Influence of hormones on arterial smooth muscle cell proliferation. pp. 367–71.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.
ANIMAL/ *AORTA, drug effects/ AORTA, metabolism/ ATHEROSCLEROSIS, blood/ ESTRADIOL, blood/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ HYPERLIPEMIA, blood/ INSULIN, blood/ *INSULIN, pharmacodynamics/ LIPIDS, metabolism/ MALE/ MIDDLE AGE/ *MITOSIS, drug effects/ MONKEYS/ MONOGRAPH/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ RABBITS/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1118. **Fisher JW, Gross DM, Foley JE, et al:** A concept for the control of kidney production of erythropoietin involving prostaglandins and cyclic nucleotides. Contrib Nephrol 13:37–59, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ANOXIA, physiopathology/ BLOOD PRESSURE, drug effects/ DOGS/ ERYTHROCYTES, drug effects/ ERYTHROCYTES, metabolism/ ERYTHROPOIESIS, drug effects/ *ERYTHROPOIETIN, metabolism/ INDOMETHACIN, pharmacodynamics/ IRON, blood/ *KIDNEY, metabolism/ MICE/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1119. **Fishman J, Martucci C:** Differential biological activity of estradiol metabolites. Pediatrics 62(6 Pt 2):1128–33, Dec 78
ANIMAL/ BINDING, COMPETITIVE/ DRUG IMPLANTS/ *ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ ORGAN WEIGHT, drug effects/ RATS/ RECEPTORS, ESTROGEN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, drug effects/ *UTERUS, physiology

1120. **Fitch W, McGeorge AP, MacKenzie ET:** Anaesthesia for studies of the cerebral circulation: a comparison of phencyclidine and althesin in the baboon. Br J Anaesth 50(10):985–91, Oct 78
*ALTHESIN, pharmacodynamics/ ANESTHESIA, GENERAL/ ANIMAL/ BRAIN, metabolism/ CARBON DIOXIDE, blood/ *CEREBROVASCULAR CIRCULATION, drug effects/ COMPARATIVE STUDY/ ELECTROENCEPHALOGRAPHY/ MONKEYS/ OXYGEN CONSUMPTION/ PAPIO/ *PHENCYCLIDINE, pharmacodynamics/ *PREGNANEDIONES, pharmacodynamics

1121. **Fitzgerald RH Jr, Kelly PJ, Snyder RJ, et al:** Penetration of methicillin, oxacillin, and cephalothin into bone and synovial tissues. Antimicrob Agents Chemother 14(5):723–6, Nov 78
*BONE AND BONES, metabolism/ CEPHALOTHIN, blood/ *CEPHALOTHIN, metabolism/ HIP JOINT, surgery/ HUMAN/ JOINT PROSTHESIS/ METHICILLIN, blood/ *METHICILLIN, metabolism/ OXACILLIN, blood/ *OXACILLIN, metabolism/ *SYNOVIAL MEMBRANE, metabolism

1122. **Fitzpatrick FA:** Gas chromatography of the prostaglandins. Adv Prostaglandin Thromboxane Res 5:95–118, 1978
ANIMAL/ CHROMATOGRAPHY, GAS, methods/ FLAME IONIZATION/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, chemical synthesis

1123. **Fitzsimons JT:** Angiotensin, thirst, and sodium appetite: retrospect and prospect. Fed Proc 37(13):2669–75, Nov 78
ANGIOTENSINS, pharmacodynamics/ *ANGIOTENSINS, physiology/ ANIMAL/ DOGS/ ESTRUS, drug effects/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ NEUROHUMORS, physiology/ RATS/ *RENIN, history/ RENIN, physiology/ *SODIUM, metabolism/ *THIRST, physiology/ WATER-ELECTROLYTE BALANCE, drug effects

1124. **Fixley MS:** Comment. Bronchodilator therapy. J Kans Med Soc 80(1):22–4, Jan 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *BRONCHIAL SPASM, drug therapy/ BRONCHODILATOR AGENTS, classification/ *BRONCHODILATOR AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ SYMPATHOMIMETICS, therapeutic use/ THEOPHYLLINE, therapeutic use/ XANTHINES, therapeutic use

1125. **Flakiewicz-Kula A:** Ciąża i poród w przebiegu choroby Addisona. Ginekol Pol 49(7):643–6, Jul 78 (Eng. Abstr.) (Pol)
*ADDISON'S DISEASE/ ADDISON'S DISEASE, drug therapy/ ADDISON'S DISEASE, physiopathology/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR COMPLICATIONS/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY/ *PREGNANCY, PROLONGED

1126. **Flecknell PA, Gibbs C, Kelly DF:** Myelosclerosis in a cat. J Comp Pathol 88(4):627–31, Oct 78
ANEMIA, veterinary/ ANIMAL/ BONE AND BONES, radiography/ CASE REPORT/ *CAT DISEASES, pathology/ CAT DISEASES, radiography/ CATS/ FEMUR, pathology/ MALE/ MYELOFIBROSIS, complications/ MYELOFIBROSIS, pathology/ *MYELOFIBROSIS, veterinary

1127. **Fleisch H, Bonjour JP, Rizzoli R, et al:** Effect of vitamin D metabolites on calcium and phosphate metabolism. Contrib Nephrol 13:96–103, 1978

ANIMAL/ *CALCIUM, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINAL ABSORPTION, drug effects/ KIDNEY, drug effects/ KIDNEY, metabolism/ PARATHYROID GLANDS, physiology/ *PHOSPHATES, metabolism/ RATS/ THYROIDECTOMY

1128. **Fleischer AS, Rudman DR, Payne NS, et al:** Hypothalamic hypothyroidism and hypogonadism in prolonged traumatic coma. J Neurosurg 49(5):650–7, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, cerebrospinal fluid/ ADULT/ *BRAIN INJURIES, ACUTE, complications/ COMA, cerebrospinal fluid/ *COMA, complications/ FSH, blood/ HUMAN/ *HYPOGONADISM, etiology/ *HYPOTHYROIDISM, etiology/ LH, blood/ MALE/ MIDDLE AGE/ TESTOSTERONE, blood/ THYROTROPIN, blood/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

1129. **Fleischman AR, Rosen JF, Nathenson G:** 25-Hydroxycholecalciferol for early neonatal hypocalcemia. Occurrence in premature newborns. Am J Dis Child 132(10):973–7, Oct 78
HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYPOCALCEMIA, occurrence/ *HYPOCALCEMIA, prevention & control/ INFANT, NEWBORN/ INFANT, PREMATURE, DISEASES, occurrence/ *INFANT, PREMATURE, DISEASES, prevention & control/ MAGNESIUM, blood/ PHOSPHATES, blood/ PROSPECTIVE STUDIES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1130. **Fletcher RT, Chader GJ:** Cyclic nucleotides and protein kinase systems in the developing chick retina and pigment epithelium. Biochim Biophys Acta 544(1):45–52, 15 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CHICK EMBRYO/ EPITHELIUM, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *PIGMENTS, metabolism/ *PROTEIN KINASE, metabolism/ RETINA, embryology/ *RETINA, metabolism/ VISION

1131. **Flickinger GL, Elsner C, Illingworth DV, et al:** Estrogen and progesterone receptors in the female genital tract of humans and monkeys. Ann NY Acad Sci 286:180–9, 11 Mar 77
ANIMAL/ CELL NUCLEUS, metabolism/ CERVIX UTERI, metabolism/ CYTOSOL, metabolism/ ENDOMETRIUM, metabolism/ ESTRADIOL, pharmacodynamics/ *FALLOPIAN TUBES, metabolism/ FEMALE/ HUMAN/ MENSTRUATION/ MONKEYS/ MYOMETRIUM, metabolism/ OVARY, physiology/ PROGESTERONE, pharmacodynamics/ *RECEPTORS, ESTROGEN/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, PROGESTERONE/ RECEPTORS, PROGESTERONE, drug effects/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERINE NEOPLASMS, metabolism/ *UTERUS, metabolism/ VAGINA, metabolism

1132. **Fliegner JR:** Third stage management: how important is it? Med J Aust 2(5):190–3, 26 Aug 78
COMPARATIVE STUDY/ *DELIVERY/ ERGONOVINE, therapeutic use/ FEMALE/ *HEMORRHAGE, POSTPARTUM, occurrence/ HEMORRHAGE, POSTPARTUM, prevention & control/ HUMAN/ LABOR STAGE, THIRD/ OXYTOCIN, therapeutic use/ PLACENTA/ PREGNANCY/ TIME FACTORS/ TRACTION/ *UTERINE PROLAPSE, occurrence

1133. **Flint AP, Kingston EJ, Robinson JS, et al:** Initiation of parturition in the goat: evidence for control by foetal glucocorticoid through activation of placental C21-steroid 17alpha-hydroxylase. J Endocrinol 78(3):367–78, Sep 78
ANIMAL/ *DEXAMETHASONE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FEMALE/ FETUS, drug effects/ *FETUS, metabolism/ *GOATS, physiology/ *LABOR, INDUCED/ PLACENTA, enzymology/ PREGNANCY/ PROGESTERONE, metabolism/ *STEROID HYDROXYLASES, metabolism/ *STEROID-17-HYDROXYLASE, metabolism

1134. **Floman Y:** Prostaglandin E production by cultured inflamed rat synovium; stimulation by colchicine and inhibition by chloroquine. Prostaglandins Med 1(1):39–48, Jul 78
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ ARTHRITIS, metabolism/ CELL-FREE SYSTEM/ *CHLOROQUINE, pharmacodynamics/ *COLCHICINE, pharmacodynamics/ CORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ MALE/ *PROSTAGLANDINS E, biosynthesis/ RATS/ STREPTOCOCCUS PYOGENES, immunology/ *SYNOVITIS, metabolism/ TISSUE CULTURE

1135. **Floret D, Renaud H, Monnet P:** Sexual precocity and thoracic polyembryoma: Klinefelter syndrome? [letter] J Pediatr 94(1):163, Jan 79
CASE REPORT/ CHILD/ HUMAN/ *KLINEFELTER'S SYNDROME, complications/ MALE/ *PUBERTY, PRECOCIOUS, etiology/ *TERATOID TUMOR, complications/ *THORACIC NEOPLASMS, complications

1136. **Florey E, Rathmayer M:** The effects of octopamine and other amines on the heart and on neuromuscular transmission in decapod crustaceans: further evidence for a role as neurohormone. Comp Biochem Physiol [C] 61C(1):229–37, 1978
ANIMAL/ BIOGENIC AMINES, pharmacodynamics/ CRABS, physiology/ CRAYFISH, physiology/ *CRUSTACEA, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EVOKED POTENTIALS, drug effects/ HEART RATE, drug effects/ *HEART, drug effects/ MUSCLES, drug effects/ *NEURAL TRANSMISSION, drug effects/ NEUROHUMORS, physiology/ NEUROSECRETORY SYSTEMS, analysis/ NORSYNEPHRINE, pharmacodynamics/ *NORSYNEPHRINE, physiology/ PICROTOXIN, pharmacodynamics/ SEROTONIN, pharmacodynamics

1137. **Flower RJ:** Biochemistry of prostaglandins. Biochem Soc Trans 6(4):713–4, 1978
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ PLATELET AGGREGATION/ *PROSTAGLANDINS, metabolism/ THROMBOXANES, physiology

1138. **Foix A, Napoli J, Comparatore D, et al:** Valoración de una asociación estrógeno progestágeno en dosis reducidas con fines anticonceptivos. Obstet Ginecol Lat Am 36(1–2):23–31, Jan–Feb 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ DRUG COMBINATIONS/ DRUG EVALUATION/ ENDOMETRIUM, drug effects/ ENGLISH ABSTRACT/ *ESTRADIOL, administration & dosage/ ESTRADIOL, adverse effects/ *FAMILY PLANNING/ FEMALE/ HUMAN/ *NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ OVULATION, drug effects/ PREGNANCY

1139. **Foley JE, Gross DM, Nelson PK, et al:** The effects of arachidonic acid on erythropoietin production in exhypoxic polycythemic mice and the isolated perfused canine kidney. J Pharmacol Exp Ther 207(2):402–9, Nov 78
ANIMAL/ ANOXIA, blood/ ANOXIA, metabolism/ *ARACHIDONIC ACIDS, pharmacodynamics/ DOGS/ *ERYTHROPOIESIS, drug effects/ *ERYTHROPOIETIN, biosynthesis/ FEMALE/ IN VITRO/ *KIDNEY, drug effects/ KIDNEY, metabolism/ MICE/ POLYCYTHEMIA, blood/ PROSTAGLANDINS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1140. **Folstein MF, McHugh PR:** Defective long-term caloric regulation in obesity.
Natl Inst Drug Abuse Res Monogr Ser (20):182–8, Jul 78
ANIMAL/ *CALORIC INTAKE/ *DIET/ HUMAN/ HUNGER/ HYPOTHALAMUS, physiopathology/ MONKEYS/ *OBESITY, physiopathology/ RHESUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1141. **Fonshtein LM, Abilev SK, Akin'shina LP:** Izuchenie metabolicheskoĭ aktivatsii khimicheskikh soedineniĭ s pomoshch'iu mikroorganizmov. Soobshchenie I. Effekt induktorov mikrosomal'nykh sistem. Genetika 14(9):1564–70, Sep 78 **(Rus)**
BARBITURATES, administration & dosage/ BENZIDINES, administration & dosage/ CYCLOPHOSPHAMIDE, administration & dosage/

DRUG INTERACTIONS/ HYDROCORTISONE, administration & dosage/ *MICROSOMES, metabolism/ MORPHOLINES, administration & dosage/ MUTAGENS, administration & dosage/ NITROSO COMPOUNDS, administration & dosage/ PHENOBARBITAL, administration & dosage/ PRIMIDONE, administration & dosage/ *PSYCHOTROPIC DRUGS, administration & dosage/ *SALMONELLA TYPHIMURIUM, metabolism

1142. **Fontaine J, Famaey JP, Seaman I, et al:** Inhibition of caerulein and physalaemin-induced contractions of guinea-pig isolated ileum by non-steroidal antiinflammatory drugs and various steroids and their reversal by prostaglandin E1. Prostaglandins Med 1(5):351-7, Nov 78
ANIMAL/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ BETAMETHASONE, pharmacodynamics/ *CAERULEIN, pharmacodynamics/ DRUG ANTAGONISM/ FEMALE/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ *KININS, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ *PHYSALAEMIN, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ SEX HORMONES, pharmacodynamics/ *STEROIDS, pharmacodynamics

1143. **Forbes GB, Taves DR, Smith FA, et al:** Bone mineral turnover in a patient with osteogenesis imperfecta estimated by fluoride excretion. Calcif Tissue Res 25(3):283-7, 18 Aug 78
*BONE AND BONES, metabolism/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *FLUORIDES, metabolism/ FOLLOW-UP STUDIES/ HUMAN/ INFANT, NEWBORN/ MALE/ OSTEOGENESIS IMPERFECTA, drug therapy/ *OSTEOGENESIS IMPERFECTA, metabolism/ *SODIUM FLUORIDE, metabolism/ SODIUM FLUORIDE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1144. **Forcier RJ, McIntyre OR, Nissen NI, et al:** Combination chemotherapy of non-Hodgkin lymphoma. Med Pediatr Oncol 4(4):351-62, 1978
*ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *LYMPHOSARCOMA, drug therapy/ MALE/ METHOTREXATE, administration & dosage/ PREDNISONE, administration & dosage/ REMISSION/ *SARCOMA, RETICULUM CELL, drug therapy/ STREPTONIGRIN, administration & dosage/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, administration & dosage

1145. **Ford K, Peveto R, Schreiber MH:** Autonomous hyperparathyroidism: documentation of results of parathyroidectomy by hand radiographs. Tex Med 74(10):50-1, Oct 78
ADULT/ EVALUATION STUDIES/ FEMALE/ *HAND, radiography/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS, surgery

1146. **Foreman MM, Moss RL:** Role of hypothalamic alpha and beta adrenergic receptors in the control of lordotic behavior in the ovariectomized-estrogen primed rat. Pharmacol Biochem Behav 9(2):235-41, Aug 78
ANIMAL/ CASTRATION/ CATECHOLAMINES, pharmacodynamics/ ESTRONE, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, physiology/ LH-FSH RELEASING HORMONE, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ *RECEPTORS, ADRENERGIC, ALPHA, physiology/ *RECEPTORS, ADRENERGIC, BETA, physiology/ *SEX BEHAVIOR, ANIMAL, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1147. **Foreman PA:** Acupuncture: fact or fantasy? NZ Dent J 74(338):197-202, Oct 78
*ACUPUNCTURE/ ACUPUNCTURE, history/ ACUPUNCTURE, methods/ ANALGESIA/ ANESTHESIA, DENTAL/ BRAIN, physiology/ ELECTRIC STIMULATION/ ENDORPHINS, physiology/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ PAIN, physiopathology

1148. **Fornasier VL, Stapleton K, Williams CC:** Histologic changes in Paget's disease treated with calcitonin. Hum Pathol 9(4):455-61, Jul 78
AGED/ ALKALINE PHOSPHATASE, analysis/ BIOPSY/ BONE AND BONES, pathology/ BONE MATRIX, pathology/ *CALCITONIN, therapeutic use/ CELL NUMBER/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OSTEITIS DEFORMANS, drug therapy/ *OSTEITIS DEFORMANS, pathology/ OSTEITIS DEFORMANS, radiography/ OSTEOCLASTS, pathology

1149. **Forno LS, Barbour PJ, Norville RL:** Presenile dementia with Lewy bodies and neurofibrillary tangles. Arch Neurol 35(12):818-22, Dec 78
AGE FACTORS/ *BRAIN STEM, pathology/ CASE REPORT/ DEMENTIA, PRESENILE, complications/ HUMAN/ HYDROCEPHALUS, NORMAL PRESSURE, complications/ HYPOTHALAMUS, ultrastructure/ *LIMBIC SYSTEM, pathology/ MALE/ MIDDLE AGE/ NEUROFIBRILS, pathology/ NEURONS, pathology/ NEURONS, ultrastructure

1150. **Forrest AP, Roberts MM, Stewart HJ:** Aminoglutethimide in breast cancer [letter] Lancet 2(8100):1149, 25 Nov 78
*AMINOGLUTETHIMIDE, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ DRUG EVALUATION/ FEMALE/ HUMAN

1151. **Forsgren B, Gunnarsson PO, Johansson SA, et al:** Radioimmunoassay of estramustine phosphate in plasma. Acta Pharm Suec 15(3):200-10, 1978
ANIMAL/ DOGS/ *ESTRAMUSTINPHOSPHATE, blood/ ESTRAMUSTINPHOSPHATE, metabolism/ GLUCURONIDASE, pharmacodynamics/ IMMUNE SERUMS/ IMMUNIZATION/ *NITROGEN MUSTARD COMPOUNDS, blood/ *RADIOIMMUNOASSAY, methods

1152. **Fossati P, Buvat J, Asfour M, et al:** Influence de l'hyperprolactinémie primaire sur le comportement sexuel masculin. Probl Actuels Endocrinol Nutr (21):151-64, 1977 **(Fre)**
ADENOMA, complications/ ADULT/ HUMAN/ IMPOTENCE, drug therapy/ *IMPOTENCE, etiology/ MALE/ MIDDLE AGE/ PITUITARY NEOPLASMS, complications/ *PROLACTIN, blood/ SELLA TURCICA/ 2-BROMOERGOCRYPTINE, therapeutic use

1153. **Foster JP:** Plasma LH concentrations after single or double injections of synthetic LH-RH in dairy cows. J Reprod Fertil 54(1):119-21, Sep 78
ANIMAL/ CATTLE/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ HORMONES, SYNTHETIC, administration & dosage/ HORMONES, SYNTHETIC, pharmacodynamics/ *LH, blood/ LH, secretion/ LH-FSH RELEASING HORMONE, administration & dosage/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ TIME FACTORS

1154. **Fournier A, Coevoet B, Leroux JL, et al:** Propranolol for renal osteodystrophy [letter] Lancet 2(8104-5):1372, 23-30 Dec 78
HUMAN/ INJECTIONS, INTRAVENOUS/ PARATHYROID HORMONE, antagonists & inhibitors/ *PROPRANOLOL, administration & dosage/ *RENAL OSTEODYSTROPHY, prevention & control

1155. **Fournier M, Mornex R:** Les investigations paracliniques dans l'hypothyroïdie. Rev Prat 28(43):3301-4, 3307-9, 1 Oct 78 (Eng. Abstr.) **(Fre)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES, diagnostic use/ RADIOIMMUNOASSAY/ *THYROID FUNCTION TESTS, methods/ THYROID HORMONES, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood

1156. **Fowler PB:** Thyroid extract [letter] Br Med J 2(6144):1089, 14 Oct 78
HUMAN/ *HYPOTHYROIDISM, drug therapy/ *PATIENT COMPLIANCE/ *THYROID GLAND,

DESICCATED, standards/ THYROID GLAND, DESICCATED, therapeutic use/ *THYROID HORMONES, standards/ THYROXINE, therapeutic use

1157. **Fowler RE, Fox NL, Edwards RG, et al:** Steroid production from 17alpha-hydroxypregnenolone and dehydroepiandrosterone by human granulosa cells in vitro. J Reprod Fertil 54(1):109–17, Sep 78
*ANDROSTENEDIONE, biosynthesis/ CELLS, CULTURED/ *DEHYDROEPIANDROSTERONE, metabolism/ *ESTRADIOL, biosynthesis/ FEMALE/ *GRANULOSA CELLS, metabolism/ HUMAN/ *HYDROXYPREGNENOLONE, metabolism/ *PROGESTERONE, biosynthesis

1158. **Fox J, Pickard DW, Care AD, et al:** Effect of low phosphorus diets on intestinal calcium absorption and the concentration of calcium-binding protein in intact and parathyroidectomized pigs. J Endocrinol 78(3):379–87, Sep 78
ANIMAL/ *CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ COMPARATIVE STUDY/ DIET/ FEMALE/ INTESTINAL ABSORPTION/ MALE/ *PARATHYROID GLANDS, physiology/ *PHOSPHORUS, metabolism/ *SWINE, metabolism

1159. **Fozard JR, Carr SR:** Spasmogen release from an extracranial vascular bed evoked by neurohumoral stimuli and periods of vascular stasis. Res Clin Stud Headache 6:41–52, 1978
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL ASSAY/ EAR/ FEMALE/ HISTAMINE, pharmacodynamics/ INDOMETHACIN, pharmacodynamics/ MALE/ MIGRAINE, etiology/ *MIGRAINE, physiopathology/ PERFUSION/ *PROSTAGLANDINS E, physiology/ RABBITS/ SEROTONIN, pharmacodynamics/ TYRAMINE, pharmacodynamics/ *VASODILATION/ *VASOMOTOR SYSTEM, drug effects

1160. **Frame B, Parfitt AM:** Osteomalacia: current concepts. Ann Intern Med 89(6):966–82, Dec 78 (133 ref.)
BONE DEVELOPMENT/ CALCIUM, blood/ HUMAN/ HYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYLATION/ KIDNEY, metabolism/ LIVER, metabolism/ MALABSORPTION SYNDROMES, complications/ OSTEOBLASTS, physiology/ *OSTEOMALACIA/ OSTEOMALACIA, blood/ OSTEOMALACIA, diagnosis/ OSTEOMALACIA, etiology/ OSTEOMALACIA, physiopathology/ OSTEOMALACIA, therapy/ PHOSPHATES, blood/ REVIEW/ VITAMIN D DEFICIENCY, complications/ VITAMIN D, metabolism/ VITAMIN D, pharmacodynamics/ VITAMIN D, therapeutic use

1161. **Francavilla A, Jones AF, Starzl TE:** Cyclic AMP metabolism and adenylate cyclase concentration in patients with advanced hepatic cirrhosis. Gastroenterology 75(6):1026–32, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ADENYL CYCLASE, metabolism/ ADOLESCENCE/ ADULT/ BLOOD SUGAR, analysis/ CHILD/ CHILD, PRESCHOOL/ GLUCAGON, diagnostic use/ HUMAN/ INFANT/ INSULIN, blood/ *LIVER CIRRHOSIS, blood/ LIVER CIRRHOSIS, enzymology/ *LIVER, enzymology/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1162. **Francavilla A, Porter KA, Benichou J, et al:** Liver regeneration in dogs: morphologic and chemical changes. J Surg Res 25(5):409–19, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADENYL CYCLASE, analysis/ ANIMAL/ DOGS/ GLUCAGON, blood/ *HEPATECTOMY, methods/ HYPERPLASIA/ HYPERTROPHY/ INSULIN, blood/ *LIVER REGENERATION/ LIVER, enzymology/ *LIVER, pathology/ LIVER, ultrastructure/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1163. **Francesconi RP, Stokes JW, Banderet LE, et al:** Sustained operations and sleep deprivation: effects on indices of stress. Aviat Space Environ Med 49(11):1271–4, Nov 78
CATECHOLAMINES, urine/ HUMAN/ MALE/ *MILITARY MEDICINE/ *SLEEP DEPRIVATION/ *STRESS, physiopathology/ STRESS, psychology/ STRESS, urine/ *TASK PERFORMANCE AND ANALYSIS/ TIME FACTORS/ 17-HYDROXYCORTICOSTEROIDS, urine

1164. **Franchimont P, Kicovic PM, Mattei A, et al:** Effects of oral testosterone undecanoate in hypogonadal male patients. Clin Endocrinol (Oxf) 9(4):313–20, Oct 78
ADOLESCENCE/ ADULT/ ANDROSTENEDIONE, blood/ FSH, blood/ HUMAN/ HYPOGONADISM, blood/ *HYPOGONADISM, drug therapy/ HYPOGONADISM, physiopathology/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ MENTAL PROCESSES, drug effects/ MIDDLE AGE/ SEX BEHAVIOR, drug effects/ STANOLONE, blood/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, therapeutic use/ THYROTROPIN RELEASING HORMONE, diagnostic use

1165. **Francis D, Salmon D, Moore B:** A mutant strain of Polysphondylium pallidum deficient in production of cyclic AMP. Dev Biol 67(1):232–36, Nov 78
ADENINE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ COMPARATIVE STUDY/ *FUNGAL PROTEINS, biosynthesis/ LIGHT/ MOLECULAR WEIGHT/ MUTATION/ *MYXOMYCETES, metabolism/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1166. **Frankel SH, Ellis PP:** Effect of oral contraceptives on tear production. Ann Ophthalmol 10(11):1585–8, Nov 78
ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ *TEARS, drug effects/ TEARS, secretion

1167. **Franklin RM, Prendergast RA, Silverstein AM:** Nonspecific signals for B-cell localization and activation. J Exp Med 148(6):1705–10, 1 Dec 78
ANIMAL/ *B-LYMPHOCYTES, immunology/ CELL MOVEMENT/ CLONE CELLS, immunology/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ IGA, biosynthesis/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTE TRANSFORMATION, drug effects/ MAMMAE, immunology/ MAMMAE, transplantation/ PLASMA CELLS, immunology/ RABBITS/ TRANSPLANTATION, AUTOLOGOUS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1168. **Franks S, Nabarro JD:** Prolactin secretion in patients with chromophobe adenomas of the pituitary: incidence and presentation of hyperprolactinaemia: results of surgical treatment. Ann Clin Res 10(3):157–63, 1978
*ADENOMA, CHROMOPHOBE, blood/ ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, CHROMOPHOBE, surgery/ ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ *PITUITARY NEOPLASMS, blood/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, surgery/ *PROLACTIN, blood

1169. **Franz JR, Hull EM, Snyder AM, et al:** The effect of maternal progesterone on brain monoamine oxidase activity of neonatal rats. Brain Res 158(2):397–406, 15 Dec 78
ANIMAL/ *ANIMALS, NEWBORN/ *BRAIN, enzymology/ FEMALE/ MALE/ *MATERNAL-FETAL EXCHANGE/ *MONOAMINE OXIDASE, metabolism/ PHENETHYLAMINES, metabolism/ PREGNANCY/ PROGESTERONE, administration & dosage/ *PROGESTERONE, blood/ RATS/ SEROTONIN, metabolism/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, enzymology

1170. **Fraser IS:** Danazol--a new medical treatment for endometriosis [editorial] Med J Aust 2(2):56–7, 15 Jul 78
DANAZOL, adverse effects/ *DANAZOL, therapeutic use/ *ENDOMETRIOSIS, drug therapy/ FEMALE/ HUMAN/ *PELVIC NEOPLASMS, drug therapy/ *PREGNADIENES, therapeutic use

1171. **Fraunfelder FT:** What's new in ocular toxicology? Sight Sav Rev 48(2):53–8, Summer 78

ANESTHESIA, LOCAL, adverse effects/ CANNABIS/ CARBONIC ANHYDRASE INHIBITORS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ ECHOTHIOPHATE IODIDE, adverse effects/ *EYE DISEASES, chemically induced/ HUMAN/ PHENYLEPHRINE, adverse effects/ PRACTOLOL, adverse effects/ QUININE, adverse effects/ REGISTRIES/ STEROIDS, adverse effects/ UNITED STATES

1172. **Fray JC:** Stretch receptor control of renin release in perfused rat kidney: effect of high perfusate potassium.
J Physiol (Lond) 282:207–17, Sep 78
ANIMAL/ BLOOD PRESSURE/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, blood supply/ KIDNEY, physiology/ *KIDNEY, secretion/ MALE/ MECHANORECEPTORS, physiology/ PAPAVERINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ *POTASSIUM, physiology/ RATS/ REGIONAL BLOOD FLOW, drug effects/ *RENIN, secretion/ SECRETORY RATE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOCONSTRICTION

1173. **Frederiksen P, Thommesen P:** Histiocytosis X. III. Clinical value of serial biopsies.
Acta Radiol Oncol Radiat Phys Biol 17(5):362–8, 1978
ADULT/ BIOPSY/ BONE AND BONES, pathology/ CASE REPORT/ CHILD, PRESCHOOL/ EPIDERMIS, pathology/ FEMALE/ *HISTIOCYTOMA, pathology/ *HISTIOCYTOSIS X, pathology/ *HODGKIN'S DISEASE, pathology/ HUMAN/ LYMPH NODES, pathology/ MALE/ MIDDLE AGE/ MUCOUS MEMBRANE, pathology/ RETROSPECTIVE STUDIES/ SKIN NEOPLASMS, pathology/ SKIN, pathology

1174. **Fredholm BB:** Local regulation of lipolysis in adipose tissue by fatty acids, prostaglandins and adenosine. Med Biol 56(5):249–61, Oct 78 (111 ref.)
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *ADENOSINE, physiology/ ADENYL CYCLASE, metabolism/ *ADIPOSE TISSUE, metabolism/ ANIMAL/ CATECHOLAMINES, pharmacodynamics/ *FATTY ACIDS, NONESTERIFIED, physiology/ FEEDBACK/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ HUMAN/ *LIPIDS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ REVIEW

1175. **Fredholm BB, Sandberg G, Ernström U:** Cyclic AMP in freshly prepared thymocyte suspensions, Evidence for stimulation by endogenous adenosine. Biochem Pharmacol 27(23):2675–82, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE, physiology/ ANIMAL/ GUINEA PIGS/ IN VITRO/ MALE/ PURINE NUCLEOSIDES, metabolism/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, metabolism/ TEMPERATURE/ TIME FACTORS

1176. **Freedman RS, Pihl E, Kusyk C, et al:** Characterization of an ovarian carcinoma cell line. Cancer 42(5):2352–9, Nov 78
ADENOCARCINOMA, familial & genetic/ *ADENOCARCINOMA, pathology/ ANIMAL/ CELL LINE/ CHROMOSOME ABERRATIONS/ ENDOMETRIOSIS, familial & genetic/ *ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ MICE/ MICE, NUDE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ OVARIAN NEOPLASMS, familial & genetic/ *OVARIAN NEOPLASMS, pathology/ TRANSPLANTATION, HETEROLOGOUS

1177. **Freeman BM, Manning AC:** Short-term stressor effects of reserpine. Br Poult Sci 19(5):623–30, Sep 78
ADRENAL GLANDS, metabolism/ AGE FACTORS/ ANIMAL/ BLOOD SUGAR, analysis/ *CHICKENS, metabolism/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ MALE/ PROPRANOLOL, pharmacodynamics/ *RESERPINE, pharmacodynamics/ STRESS, metabolism/ *STRESS, veterinary

1178. **Freeman J, Tappin J, Karat AB, et al:** Dexamethasone in acute stroke [letter] Br Med J 2(6150):1500, 25 Nov 78
ACUTE DISEASE/ *CEREBROVASCULAR DISORDERS, drug therapy/ CEREBROVASCULAR DISORDERS, mortality/ CLINICAL RESEARCH/ *DEXAMETHASONE, therapeutic use/ HUMAN/ MANNITOL, therapeutic use

1179. **Freeman MA, Hammer A:** Patellar fracture after replacement of the tibio-femoral joint with the ICLH prosthesis.
Arch Orthop Trauma Surg 92(1):63–7, 11 Aug 78
ARTHRITIS, RHEUMATOID, surgery/ FEMALE/ *FRACTURES, SPONTANEOUS, etiology/ FRACTURES, SPONTANEOUS, radiography/ HUMAN/ *JOINT PROSTHESIS, adverse effects/ *KNEE JOINT, surgery/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, complications/ *PATELLA/ PATELLA, injuries/ PATELLA, radiography/ *POSTOPERATIVE COMPLICATIONS, etiology/ POSTOPERATIVE COMPLICATIONS, radiography

1180. **Freeny PC, Cummings KB, Simmons JR:** Selective testicular venography for localization of nonpalpable testis. Urology 12(5):617–8, Nov 78
ADULT/ CASE REPORT/ CRYPTORCHISM, radiography/ HUMAN/ MALE/ *PHLEBOGRAPHY/ *TESTIS, blood supply

1181. **Fregly MJ:** Attenuation of thirst in estrogen-treated rats.
Fed Proc 37(13):2694–8, Nov 78
ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ ISOPROTERENOL, antagonists & inhibitors/ *ISOPROTERENOL, pharmacodynamics/ NORETHYNODREL, pharmacodynamics/ RATS/ RENIN, pharmacodynamics/ *THIRST, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1182. **Frei JV, Swenson DH, Warren W, et al:** Alkylation of deoxyribonucleic acid in vivo in various organs of C57BL mice by the carcinogens N-methyl-N-nitrosourea, N-ethyl-N-nitrosourea and ethyl methanesulphonate in relation to induction of thymic lymphoma. Some applications of high-pressure liquid chromatography. Biochem J 174(3):1031–44, 15 Sep 78
ALKYLATION/ ANIMAL/ *CARCINOGENS, pharmacodynamics/ *DNA, metabolism/ ETHYL METHANESULFONATE, pharmacodynamics/ ETHYLNITROSOUREA, pharmacodynamics/ *LYMPHOMA, chemically induced/ LYMPHOMA, metabolism/ METHYLNITROSOUREA, pharmacodynamics/ MICE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ *THYMUS NEOPLASMS, chemically induced/ THYMUS NEOPLASMS, metabolism/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1183. **Freidin J:** Twenty years' experience with parathyroid exploration. Aust NZ J Surg 48(3):261–9, Jun 78
ADENOMA, pathology/ ADULT/ AGED/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ *HYPERPARATHYROIDISM, surgery/ HYPERPLASIA, pathology/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, pathology/ POSTOPERATIVE CARE

1184. **Frenette L, Kandalaft N, Bénard B, et al:** L'hyperparathyroïdie primaire: étude de 21 cas, dans la région des cantons de l'est. Union Med Can 107(12):1173–8, Dec 78 **(Fre)**
FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, occurrence/ MALE/ QUEBEC/ SEX FACTORS

1185. **Frens J, Van Miert AS, Van Duin CT:** Prostaglandins are not essential in experimental fever of rats [proceedings]
Br J Pharmacol 64(3):439P, Nov 78
ANIMAL/ FEVER, chemically induced/ *FEVER, physiopathology/ *PROSTAGLANDINS, physiology/ RATS

1186. **Freudenthal RI, Kerchner G, Persing R, et al:** Dietary subacute toxicity of ethylene thiourea in the laboratory rat.
J Environ Pathol Toxicol 1(1):147–61, Sep-Oct 78
AMITROLE, toxicity/ ANIMAL/ BODY WEIGHT,

drug effects/ DIET/ *ETHYLENETHIOUREA, toxicity/ FEMALE/ *IMIDAZOLES, toxicity/ IODINE RADIOISOTOPES, diagnostic use/ LIVER, pathology/ MALE/ PROPYLTHIOURACIL, toxicity/ RATS/ SKIN, pathology/ THYROID GLAND, pathology/ THYROID HORMONES, blood/ TIME FACTORS

1187. **Frick A, Durasin I:** Maximal reabsorptive capacity for inorganic phosphate (TmPi) in the absence of parathyroid hormone in the rat: decrease of the TmPi during prolonged administration of phosphate and the role of calcium. Pfluegers Arch 377(1):9–14, 18 Oct 78
ANIMAL/ *CALCIUM, metabolism/ FEMALE/ GLOMERULAR FILTRATION RATE/ *PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ PHOSPHATES, pharmacodynamics/ RATS/ SODIUM, metabolism/ THYROIDECTOMY

1188. **Friedburg D, Meissner B:** Fluorescein angiography of the corneal limbus--drug effects on capillary blood flow. Albrecht Von Graefes Arch Klin Exp Ophthalmol 207(3):213–9, 16 Aug 78
ADULT/ CAPILLARIES, drug effects/ *CORNEA, blood supply/ DEXAMETHASONE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ETHYLMORPHINE, pharmacodynamics/ FEMALE/ *FLUORESCEIN ANGIOGRAPHY/ HUMAN/ MALE/ MIDDLE AGE/ REGIONAL BLOOD FLOW, drug effects/ TOLAZOLINE, pharmacodynamics

1189. **Friedler RM, Tuma S, Koffler A, et al:** Effect of cholera toxin on renal tubular reabsorption of glucose and bicarbonate. Proc Soc Exp Biol Med 159(1):48–53, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ *BICARBONATES, metabolism/ CHOLERA TOXIN, administration & dosage/ *CHOLERA TOXIN, pharmacodynamics/ DOGS/ EXTRACELLULAR SPACE, metabolism/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ *GLUCOSE, metabolism/ INFUSIONS, INTRA-ARTERIAL/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ RENAL ARTERY/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1190. **Friedman DL, Chambers DA:** Cyclic nucleotide-binding proteins detected by photoaffinity labeling in nucleus and cytoplasm of bovine liver. Proc Natl Acad Sci USA 75(11):5286–90, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AFFINITY LABELS/ ANIMAL/ *CARRIER PROTEINS, metabolism/ CATTLE/ *CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *LIVER, metabolism/ MOLECULAR WEIGHT/ RECEPTORS, CYCLIC AMP, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1191. **Friedman G, Stein O, Stein Y:** Lipoprotein lipase of cultured mesenchymal rat heart cells. III. Effect of glucocorticoids and insulin on enzyme formation. Biochim Biophys Acta 531(2):222–32, 22 Nov 78
ANIMAL/ CELLS, CULTURED/ *DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ GLUCAGON, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ *INSULIN, pharmacodynamics/ *LIPOPROTEIN LIPASE, biosynthesis/ MALE/ *MYOCARDIUM, enzymology/ PROGESTERONE, pharmacodynamics/ RATS/ SOMATOTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

1192. **Friedman RJ, Burns ER:** Role of platelets in the proliferative response of the injured artery. Prog Hemost Thromb 4:249–78, 1978 (138 ref.)
ANIMAL/ *ARTERIES, injuries/ ARTERIES, ultrastructure/ *ARTERIOSCLEROSIS, etiology/ *ATHEROSCLEROSIS, etiology/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, physiopathology/ CELL DIFFERENTIATION/ CELL SURVIVAL/ DIPYRIDAMOLE, pharmacodynamics/ DISEASE MODELS, ANIMAL/ HOMOCYSTINE/ HYPOPHYSECTOMY/ MUSCLE, SMOOTH, cytology/ RABBITS/ RATS/ REVIEW/ SWINE/ THROMBOPENIA, blood/ VON WILLEBRAND'S DISEASE, blood

1193. **Friedman Y, Lang M, Burke G:** Inhibition of thyroidal cyclic AMP-dependent protein kinase by thyroid hormone. Endocr Res Commun 5(2):109–24, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CATTLE/ ENZYME ACTIVATION/ PROTEIN KINASE, isolation & purification/ *PROTEIN KINASE, metabolism/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology/ *THYROID HORMONES, pharmacodynamics/ THYRONINES, pharmacodynamics/ *THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, pharmacodynamics/ TYROSINE, pharmacodynamics

1194. **Friedmann G, Heuser L:** Computertomographische Untersuchungen des Retroperitonealraumes. Internist (Berlin) 19(10):586–93, Oct 78 **(Ger)**
ADRENAL GLANDS, radiography/ AORTIC ANEURYSM, radiography/ BLADDER NEOPLASMS, radiography/ HUMAN/ KIDNEY DISEASES, radiography/ KIDNEY, radiography/ LYMPH NODES, radiography/ MALE/ PROSTATIC NEOPLASMS, radiography/ RETROPERITONEAL NEOPLASMS, radiography/ *RETROPERITONEAL SPACE, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ URETERAL OBSTRUCTION, radiography

1195. **Friedrich E:** Rechtliche Aspekte des Transsexualismus. Beitr Gerichtl Med 36:191–5, 1978 (Eng. Abstr.) **(Ger)**
ADULT/ AUSTRIA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *JURISPRUDENCE/ MALE/ PSYCHOTHERAPY/ *SEX REVERSAL, GONADAL/ SEX REVERSAL, GONADAL, psychology/ *TRANSSEXUALISM, therapy

1196. **Friesen HG, Tolis G:** The use of bromocriptine in the galactorrhoea–amenorrhoea syndromes: the Canadian cooperative study. Clin Endocrinol (Oxf) 6 Suppl:91S–99S, 1977
*AMENORRHEA, drug therapy/ FEMALE/ *GALACTORRHEA, drug therapy/ HUMAN/ *LACTATION DISORDERS, drug therapy/ PARITY/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, secretion/ SYNDROME/ 2-BROMOERGOCRYPTINE, administration & dosage/ 2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, therapeutic use

1197. **Frink R, Krupp PP, Young RA:** Seasonal ultrastructural variations in pinealocytes of the woodchuck, Marmota monax. J Morphol 158(1):91–107, Oct 78
ANIMAL/ FEMALE/ MALE/ *MARMOTS, anatomy & histology/ MARMOTS, physiology/ *PINEAL BODY, cytology/ PINEAL BODY, ultrastructure/ *RODENTS, anatomy & histology/ *SEASONS

1198. **Froidevaux A, Mégevand R:** Les métastases thyroïdiennes: présentation de deux cas. Helv Chir Acta 44(1–2):175–85, Mar 77 (Eng. Abstr.) **(Fre)**
ADULT/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL NEOPLASMS/ HUMAN/ KIDNEY NEOPLASMS/ LUNG NEOPLASMS/ NEOPLASM METASTASIS/ PROGNOSIS/ THYROID NEOPLASMS, mortality/ *THYROID NEOPLASMS, surgery/ UROGENITAL NEOPLASMS

1199. **Froimowitz M:** Conformational energies and geometries of narcotics, using a potential function method. Natl Inst Drug Abuse Res Monogr Ser (22):359–73, 1978
CHEMISTRY, PHYSICAL/ DOPAMINE/ ENKEPHALINS/ MODELS, CHEMICAL/ MOLECULAR CONFORMATION/ MOLECULAR MODELS/ *NARCOTICS/ QUANTUM THEORY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THERMODYNAMICS/ TRANQUILIZING AGENTS, MAJOR

1200. **Fryer CJ, Fitzpatrick PJ, Rider WD, et al:** Radiation pneumonitis: experience following a large single dose of radiation. Int J Radiat Oncol Biol Phys 4(11–12):931–6, Nov–Dec 78

ANTIBIOTICS, therapeutic use/ CASE REPORT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, radiotherapy/ PNEUMONIA, drug therapy/ *PNEUMONIA, etiology/ PREDNISONE, therapeutic use/ RADIATION INJURIES, drug therapy/ *RADIATION INJURIES, etiology/ RADIOTHERAPY DOSAGE/ SYNDROME/ TIME FACTORS

1201. **Fuchs AR:** Hormonal control of myometrial function during pregnancy and parturition.
Acta Endocrinol [Suppl] (Copenh) (221):1-70, 1978 (121 ref.)
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ CASTRATION/ DIHYDROPROGESTERONE, blood/ ELECTRIC STIMULATION/ ESTRADIOL, blood/ ESTROGENS, blood/ *ESTROGENS, physiology/ ESTRONE, blood/ FEMALE/ LABOR, INDUCED/ OXYTOCIN, blood/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ PRESSURE/ PROGESTERONE, blood/ *PROGESTERONE, physiology/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ RABBITS/ RATS/ REVIEW/ *UTERINE CONTRACTION/ UTERINE CONTRACTION, drug effects/ VASOPRESSINS, blood

1202. **Fuchs C, Dorn D, Henning HV, et al:**
Calcium-phosphat-stoffwechsel und Hämofiltration.
Klin Wochenschr 56(23):1163-9, 1 Dec 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ FILTRATION/ HEMODIALYSIS, methods/ HUMAN/ *KIDNEY FAILURE, CHRONIC, metabolism/ *KIDNEY FAILURE, CHRONIC, therapy/ MAGNESIUM, metabolism/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, metabolism/ *PHOSPHATES, metabolism/ PLASMA

1203. **Fujii H, Zehr JE:** The effect of beta adrenergic receptor blockade on the renin response to respiratory acidosis.
Jpn Circ J 42(7):865-70, Jul 78
*ACIDOSIS, RESPIRATORY, blood/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ CARBON DIOXIDE/ DOGS/ FEMALE/ MALE/ PROPRANOLOL, pharmacodynamics/ *RENIN, blood

1204. **Fujikawa S:** [Management of juvenile rheumatoid arthritis (author's transl)] Ryumachi 18(5):353-8, Sep 78 **(Jpn)**
ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ ARTHRITIS, JUVENILE RHEUMATOID, rehabilitation/ *ARTHRITIS, JUVENILE RHEUMATOID, therapy/ ASPIRIN, administration & dosage/ ASPIRIN, adverse effects/ ASPIRIN, therapeutic use/ HUMAN/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use

1205. **Fujimoto M, Matsumura Y:** [Mechanism of transport of Ca and P in the kidney] Nippon Rinsho 36(10):3304-13, Oct 78 (45 ref.) **(Jpn)**
ANIMAL/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CALCIUM, urine/ HUMAN/ KIDNEY TUBULES, physiology/ *KIDNEY, metabolism/ NEPHRONS, physiology/ PARATHYROID HORMONE, physiology/ PHOSPHATES, metabolism/ *PHOSPHORUS, metabolism/ REVIEW

1206. **Fujimoto Y:** [Hyperparathyroidism] Nippon Rinsho 36(10):3359-62, Oct 78 **(Jpn)**
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, diagnosis

1207. **Fujita T:** [Ca and P metabolism and its control: introduction] Nippon Rinsho 36(10):3288-91, Oct 78 **(Jpn)**
CALCIUM METABOLISM DISORDERS, metabolism/ *CALCIUM, metabolism/ HUMAN/ PHOSPHORUS METABOLISM DISORDERS, metabolism/ *PHOSPHORUS, metabolism

1208. **Fujita T, Kobayashi S:** Paraneurons of the gut.
Neuro-endocrine correlations in the GEP endocrine system. pp. 97-105.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977. (51 ref.)
ANIMAL/ CHEMORECEPTORS, ultrastructure/ ENDOCRINE GLANDS, metabolism/ GASTROINTESTINAL SYSTEM, innervation/ *GASTROINTESTINAL SYSTEM, metabolism/ GASTROINTESTINAL SYSTEM, ultrastructure/ HUMAN/ MONOGRAPH/ *NEUROHUMORS, metabolism/ PANCREAS, innervation/ *PANCREAS, metabolism/ PANCREAS, ultrastructure/ REVIEW

1209. **Fujita Y, Mori T, Suzuki A, et al:** [Steroid hormone formation in vitro by humman ovarian follicles during the process of maturation and ovulation correlated with follicle structures (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1043-57, 20 Sep 78 (Eng. Abstr.) **(Jpn)**
ACETATES, metabolism/ ANDROGENS, biosynthesis/ ENGLISH ABSTRACT/ ESTROGENS, biosynthesis/ FEMALE/ *GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, metabolism/ HUMAN/ IN VITRO/ MENSTRUATION, FOLLICULAR PHASE/ *OVULATION/ PROGESTERONE, biosynthesis/ *SEX HORMONES, biosynthesis

1210. **Fujiwara Y:** [Human repair-defective genetic diseases and protection from radiation (author's transl)] Radioisotopes 27(9):547-55, Sep 78 **(Jpn)**
ATAXIA TELANGIECTASIA, metabolism/ *DNA REPAIR/ DNA REPLICATION/ *DNA, radiation effects/ EYE NEOPLASMS, metabolism/ FANCONI'S ANEMIA, metabolism/ *HEREDITARY DISEASES, metabolism/ HUMAN/ PROGERIA, metabolism/ *RADIATION PROTECTION/ RETINOBLASTOMA, metabolism/ ULTRAVIOLET RAYS/ X-RAYS/ XERODERMA PIGMENTOSUM, metabolism

1211. **Fukuchi S, Nakajima K, Sasano N, et al:** [Microdetermination of corticosteroids in adrenocortical zones in various adrenal diseases (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(7):898-908, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ADENOMA, analysis/ *ADRENAL CORTEX HORMONES, analysis/ *ADRENAL CORTEX, analysis/ *ADRENAL GLAND DISEASES, metabolism/ ADRENAL GLAND NEOPLASMS, analysis/ ALDOSTERONE, analysis/ CORTICOSTERONE, analysis/ CUSHING'S SYNDROME, metabolism/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, analysis/ HYPERALDOSTERONISM, metabolism/ MICROCHEMISTRY/ PHEOCHROMOCYTOMA, analysis

1212. **Fukushima N, Konno M, Sato T, et al:** A case of septo-optic dysplasia. Tohoku J Exp Med 126(2):193-7, Oct 78
CASE REPORT/ CHILD, PRESCHOOL/ HUMAN/ MALE/ *OPTIC NERVE, abnormalities/ *SEPTUM PELLUCIDUM, abnormalities/ SOMATOTROPIN, deficiency/ THYROTROPIN RELEASING HORMONE, deficiency/ VASOPRESSINS, deficiency

1213. **Fulkerson WJ:** Synchronous episodic release of cortisol in the sheep. J Endocrinol 79(1):131-2, Oct 78
ADRENAL GLANDS, secretion/ ANIMAL/ FEMALE/ HYDROCORTISONE, blood/ *HYDROCORTISONE, secretion/ *PERIODICITY/ SHEEP, blood/ *SHEEP, physiology

1214. **Fuller RW, Snoddy HD, Mason NR, et al:** Effect of 1-(m-trifluoromethylphenyl)-piperazine on 3H-serotonin binding to membranes from rat brain in vitro and on serotonin turnover in rat brain in vivo. Eur J Pharmacol 52(1):11-6, 1 Nov 78
P-CHLOROAMPHETAMINE, antagonists & inhibitors/ ANIMAL/ *BRAIN, drug effects/ BRAIN, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ MALE/ *PIPERAZINES, pharmacodynamics/ RATS/ RECEPTORS, SEROTONIN, drug effects/ *SEROTONIN, metabolism/ *SYNAPTIC MEMBRANES, drug effects/ SYNAPTIC MEMBRANES, metabolism

1215. **Fuller RW, Snoddy HD, Clemens JA:** The effect of quipazine, a serotonin receptor agonist, on serum corticosterone concentration in rats. Endocr Res Commun 5(2):161-71, 1978
ANIMAL/ ATROPINE, pharmacodynamics/ *CORTICOSTERONE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FLUOXETIN, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ METHERGOLINE, pharmacodynamics/ *QUINOLINES, pharmacodynamics/ *QUIPAZINE, pharmacodynamics/ RATS/ SEROTONIN

ANTAGONISTS, pharmacodynamics/
5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

1216. **Fuller RW, Hemrick SK, Mills J:** Inhibition of monoamine oxidase by N-phenacyl-cyclopropylamine.
Biochem Pharmacol 27(18):2255-61, 1978
AMINES, pharmacodynamics/ ANIMAL/ BRAIN CHEMISTRY, drug effects/ *CYCLOPROPANES, pharmacodynamics/ HARMALINE, pharmacodynamics/ MALE/ *MONOAMINE OXIDASE INHIBITORS/ MYOCARDIUM, enzymology/ PHENETHYLAMINES, metabolism/ PHENYL ETHERS, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

1217. **Fumarola D:** Considerazioni su alcuni effetti metabolici delle endotossine batteriche. Recenti Prog Med 65(2):171-90, Aug 78 (145 ref.) (Eng. Abstr.) **(Ita)**
ANIMAL/ BONE AND BONES, drug effects/ CARBOHYDRATES, metabolism/ DOGS/ *ENDOTOXINS, pharmacodynamics/ ENGLISH ABSTRACT/ FROGS/ GUINEA PIGS/ HISTAMINE LIBERATION, drug effects/ HORMONES, metabolism/ HUMAN/ KIDNEY, drug effects/ LIPIDS, metabolism/ LIVER, drug effects/ LIVER, metabolism/ *METABOLISM, drug effects/ MYOCARDIUM, metabolism/ PROSTAGLANDINS, metabolism/ PROTEINS, metabolism/ RATS/ REVIEW/ *SHOCK, SEPTIC, metabolism

1218. **Fumoux F, Czernichow P, Arnauld E, et al:** Effect of hypotension induced by sodium nitrocyanoferrate (III) on the release of arginine-vasopressin in the unanaesthetized monkey. J Endocrinol 78(3):449-50, Sep 78
ANIMAL/ *ARGIPRESSIN, secretion/ HYPOTENSION, chemically induced/ *HYPOTENSION, metabolism/ MALE/ MONKEYS/ NITROPRUSSIDE/ RHESUS MONKEYS

1219. **Funkhouser JD, Peevy KJ, Mockridge PB, et al:** Distribution of dexamethasone between mother and fetus after maternal administration. Pediatr Res 12(11):1053-6, Nov 78
ANIMAL/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RATS

1220. **Furukawa T, Peter JB:** X-linked muscular dystrophy.
Ann Neurol 2(5):414-6, Nov 77
ADOLESCENCE/ ADULT/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *MUSCULAR DYSTROPHY, familial & genetic/ PEDIGREE/ SEX CHROMOSOME ABNORMALITIES, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X CHROMOSOME

1221. **Furuya E, Graef V, Nishikaze O:** An improved method based on the Porter--Silber reaction for determining 17-hydroxycorticosteroids in urine. Anal Biochem 90(2):644-50, 15 Oct 78
ADULT/ ALCOHOL, ETHYL/ CHROMATOGRAPHY, GAS/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ METHODS/ PREGNANCY/ SULFURIC ACIDS/ *17-HYDROXYCORTICOSTEROIDS, urine

1222. **Fuss M, Verbeelen D, Geurts J, et al:** The use of a test for the differential diagnosis of hypercalciuria. Eur Urol 4(5):325-9, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ AGED/ CALCIUM, blood/ CALCIUM, diagnostic use/ *CALCIUM, urine/ DIAGNOSIS, DIFFERENTIAL/ FASTING/ HUMAN/ *KIDNEY DISEASES, diagnosis/ MALE/ MIDDLE AGE

1223. **Fuss M, Bergans A, Corvilain J:** Hypercalcaemia due to immobilisation in Paget's disease of bone [letter] Lancet 2(8096):941, 28 Oct 78
AGED/ CASE REPORT/ HUMAN/ *HYPERCALCEMIA, etiology/ MALE/ MOVEMENT DISORDERS, complications/ *MOVEMENT DISORDERS, metabolism/ *OSTEITIS DEFORMANS, complications

1224. **Fuxe K, Löfström A, Hökfelt T, et al:** Influence of central catecholamines on LHRH-containing pathways.
Clin Obstet Gynaecol 5(2):251-69, Aug 78 (83 ref.)
ADRENERGIC RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ CASTRATION/ *CATECHOLAMINES, physiology/ CAUDATE NUCLEUS, metabolism/ DOPAMINE, metabolism/ ESTRUS/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ *HYPOTHALAMUS, metabolism/ *LH-FSH RELEASING HORMONE, metabolism/ MAMMILLARY BODIES, metabolism/ *MEDIAN EMINENCE, metabolism/ NEURAL PATHWAYS/ NOREPINEPHRINE, metabolism/ OVULATION, drug effects/ PROLACTIN, physiology/ PROLACTIN, secretion/ RATS/ RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, DOPAMINE, physiology/ REVIEW/ SEPTAL NUCLEI, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1225. **Fuxe K, Ogren SO, Everitt BJ, et al:** The effect of antidepressant drugs of the imipramine type on various monoamine systems and their relation to changes in behaviour and neuroendocrine function. pp. 67-94.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
*ADRENAL CORTEX, drug effects/ AMITRIPTYLINE, pharmacodynamics/ ANIMAL/ *ANTIDEPRESSIVE AGENTS, TRICYCLIC, pharmacodynamics/ BRAIN, drug effects/ CORTICOSTERONE, blood/ CORTICOTROPIN, blood/ DESIPRAMINE, pharmacodynamics/ DOPAMINE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ LH, blood/ MALE/ MICE/ MONOGRAPH/ NOREPINEPHRINE, metabolism/ *PITUITARY GLAND, drug effects/ PROLACTIN, blood/ PROTRIPTYLINE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ SEROTONIN, metabolism/ *SEX BEHAVIOR, ANIMAL, drug effects/ SPINAL CORD, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

G

1226. **Gabaeva NS, Mihaĭlova OP, Markova LG:** Stroenie follikuliarnogo épiteliia gonad nevskoĭ minogi Lampetra fluviatilis (k klassifikatsii follikuliarnykh épiteliev pozvonochnykh). Arkh Anat Gistol Embriol 75(10):54-62, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ *CYCLOSTOMES, anatomy & histology/ ENGLISH ABSTRACT/ EPITHELIUM/ FEMALE/ *LAMPREYS, anatomy & histology/ MALE/ *OVARY, anatomy & histology/ SEASONS/ *TESTIS, anatomy & histology

1227. **Gabrilove JL, Luria M:** Persistent gynecomastia resulting from scalp inunction of estradiol: a model for persistent gynecomastia. Arch Dermatol 114(11):1672-3, Nov 78
ALOPECIA, drug therapy/ CASE REPORT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, adverse effects/ *GYNECOMASTIA, chemically induced/ HUMAN/ MALE/ MIDDLE AGE/ MODELS, BIOLOGICAL/ SCALP/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1228. **Gage FH, Thompson RG, Valdes JJ:** Endogenous norepinephrine and serotonin within the hippocampal formation during the development and recovery from septal hyperreactivity. Pharmacol Biochem Behav 9(3):359-67, Sep 78
ANIMAL/ BEHAVIOR, ANIMAL, physiology/ BRAIN CHEMISTRY/ *HIPPOCAMPUS, analysis/ MALE/ *NOREPINEPHRINE, analysis/ RATS/ *SEPTAL NUCLEI, physiology/ *SEROTONIN, analysis

1229. **Gagerman E, Idahl LA, Meissner HP, et al:** Insulin release, cGMP, cAMP, and membrane potential in acetylcholine-stimulated islets. Am J Physiol 235(5):E493-500, Nov 78
*ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CARBACHOL, pharmacodynamics/ GLUCOSE, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/

*INSULIN, secretion/ ISLANDS OF LANGERHANS, innervation/ *ISLANDS OF LANGERHANS, physiology/ *MEMBRANE POTENTIALS, drug effects/ MICE/ MICE, OBESE/ RECEPTORS, CHOLINERGIC, drug effects

1230. **Gahne B, Juneja RK:** Polymorphic post-albumin of cattle and horse plasma identified as vitamin D binding protein (Gc protein). Anim Blood Groups Biochem Genet 9(1):37-40, 1978
ALLELES/ ANIMAL/ CARRIER PROTEINS, blood/ *CARRIER PROTEINS, genetics/ CATTLE/ COMPARATIVE STUDY/ HORSES/ HUMAN/ PHENOTYPE/ *POLYMORPHISM (GENETICS)/ SERUM ALBUMIN/ SPECIES SPECIFICITY/ *VITAMIN D, blood

1231. **Galant SP, Underwood SB, Lundak TC, et al:** Heterogeneity of human lymphocyte subpopulations to pharmacologic stimulation. I. Lymphocyte responsiveness to beta adrenergic agents. J Allergy Clin Immunol 62(6):349-56, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADOLESCENCE/ ADULT/ ASTHMA, metabolism/ B-LYMPHOCYTES, drug effects/ CELL SEPARATION/ COMPARATIVE STUDY/ HUMAN/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ KINETICS/ *LYMPHOCYTES, drug effects/ LYMPHOCYTES, immunology/ LYMPHOCYTES, metabolism/ MALE/ ROSETTE FORMATION/ T-LYMPHOCYTES, drug effects

1232. **Galardy RE, Stafford SS, Schaefer ML, et al:** Biologically active derivatives of angiotensin for labeling cellular receptors. J Med Chem 21(12):1279-83, Dec 78
*ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, chemical synthesis/ ANGIOTENSIN II, diagnostic use/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ AORTA, drug effects/ AVIDIN, analogs & derivatives/ AVIDIN, chemical synthesis/ AVIDIN, diagnostic use/ AVIDIN, pharmacodynamics/ FLUORESCENCE/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PEPTIDE FRAGMENTS, chemical synthesis/ PEPTIDE FRAGMENTS, diagnostic use/ PEPTIDE FRAGMENTS, pharmacodynamics/ RABBITS/ *RECEPTORS, ANGIOTENSIN, analysis/ *RECEPTORS, HORMONE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1233. **Galkin AA, Timin EN:** Kinetika rasslableniia gladkoĭ myshtsy taenia coli morskoĭ svinki. Vliianie papaverina i poliarizatsii. Biull Eksp Biol Med 86(10):447-50, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CALCIUM, metabolism/ COLON, drug effects/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ GUINEA PIGS/ IN VITRO/ *ION CHANNELS, drug effects/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE RELAXATION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *PAPAVERINE, physiology

1234. **Gall SA, DiSaia PJ, Schmidt H, et al:** Toxicity manifestations following intravenous Corynebacterium parvum administration to patients with ovarian and cervical carcinoma. Am J Obstet Gynecol 132(5):555-60, 1 Nov 78
BLOOD PRESSURE/ BODY TEMPERATURE/ CARCINOMA, EPIDERMOID, immunology/ CARCINOMA, EPIDERMOID, therapy/ CERVIX NEOPLASMS, immunology/ *CERVIX NEOPLASMS, therapy/ EPITHELIUM, immunology/ FEMALE/ HUMAN/ *IMMUNOTHERAPY, adverse effects/ INFUSIONS, PARENTERAL/ OVARIAN NEOPLASMS, immunology/ *OVARIAN NEOPLASMS, therapy/ *PROPIONIBACTERIUM ACNES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1235. **Gallagher M, Kapp BS:** Manipulation of opiate activity in the amygdala alters memory processes. Life Sci 23(19):1973-7, 9 Nov 78
AMYGDALOID BODY, drug effects/ *AMYGDALOID BODY, physiology/ ANIMAL/ DEXTRORPHAN, pharmacodynamics/ ENKEPHALINS, physiology/ GANGLIA, BASAL, drug effects/ GANGLIA, BASAL, physiology/ LEVORPHANOL, pharmacodynamics/ MALE/ MEMORY, drug effects/ *MEMORY, physiology/ NALOXONE, pharmacodynamics/ RATS/ RECEPTORS, NARCOTIC, drug effects/ RECEPTORS, NARCOTIC, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1236. **Gallo AB, Licht P, Farmer SW, et al:** Fractionation and biological actions of pituitary gonadotropins from a marsupial, the wallaby (Macropus eugenii). Biol Reprod 19(3):680-7, Oct 78
AMINO ACIDS, analysis/ ANIMAL/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ FEMALE/ *FSH/ FSH, immunology/ FSH, isolation & purification/ FSH, pharmacodynamics/ *KANGAROOS/ *LH/ LH, immunology/ LH, isolation & purification/ LH, pharmacodynamics/ MALE/ *MARSUPIALIA/ PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ SHEEP/ SPECIES SPECIFICITY/ TESTIS, drug effects/ UNITED STATES GOV'T SUPPORTED

1237. **Galton DJ:** The triglyceride storage diseases--a review. Int J Obes 1(1):3-13, 1977 (12 ref.)
ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ ADIPOSE TISSUE, pathology/ CHILD, PRESCHOOL/ CHROMATOGRAPHY, THIN LAYER/ DIAGNOSIS, DIFFERENTIAL/ GLYCERIDES, analysis/ GLYCERIN, metabolism/ HUMAN/ LIPID METABOLISM, INBORN ERRORS, classification/ *LIPID METABOLISM, INBORN ERRORS, diagnosis/ MALE/ PEDIGREE/ REVIEW/ *TRIGLYCERIDES, metabolism

1238. **Ganguly R, Banerjee MR:** RNA synthesis in isolated nuclei of lactating mammary cells in presence of unmodified and mercury-labeled CTP. Nucleic Acids Res 5(11):4463-77, Nov 78
AMANITINS, pharmacodynamics/ ANIMAL/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ *CYTIDINE TRIPHOSPHATE, analogs & derivatives/ CYTIDINE TRIPHOSPHATE, pharmacodynamics/ *CYTOSINE NUCLEOTIDES, analogs & derivatives/ FEMALE/ LACTATION/ *MAMMAE, metabolism/ *MERCURY, pharmacodynamics/ MICE/ POLY A, biosynthesis/ PREGNANCY/ *RNA, biosynthesis/ TRANSCRIPTION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1239. **Ganguly S, Sarkar D, Ghosh JJ:** Lactate dehydrogenase isoenzymes in human endometrium, uterine fluids & erythrocytes in uterine dysfunction. Indian J Biochem Biophys 15(2):101-4, Apr 78
ADULT/ *ENDOMETRIUM, enzymology/ *ERYTHROCYTES, enzymology/ ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ MENSTRUATION/ MUSCLES, enzymology/ MYOCARDIUM, enzymology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *UTERINE DISEASES, enzymology/ *UTERUS, enzymology

1240. **Ganten D, Speck G:** The brain renin-angiotensin system: a model for the synthesis of peptides in the brain. Biochem Pharmacol 27(20):2379-89, 1978 (111 ref.)
ANGIOTENSIN II, biosynthesis/ ANGIOTENSIN II, blood/ ANGIOTENSIN II, pharmacodynamics/ *ANGIOTENSIN II, physiology/ ANIMAL/ BLOOD-BRAIN BARRIER/ BRAIN, drug effects/ *BRAIN, metabolism/ HUMAN/ *PEPTIDES, biosynthesis/ RECEPTORS, ANGIOTENSIN, drug effects/ RENIN, biosynthesis/ RENIN, blood/ *RENIN, physiology/ REVIEW

1241. **Garabedian M, Lieberherr M, N'Guyen TM, et al:** The in vitro production and activity of 24, 25-dihydroxycholecalciferol in cartilage and calvarium. Clin Orthop (135):241-8, Sep 78
ANIMAL/ BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CALCIUM, metabolism/ CARTILAGE, enzymology/ *CARTILAGE, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ *DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, metabolism/ KIDNEY, enzymology/ KIDNEY, metabolism/ MINERALS, metabolism/ PARATHYROID HORMONE, secretion/ RATS/ *SKULL, metabolism/ 25-HYDROXYCHOLECALCIFEROL-1-HYDROX metabolism

1242. **Garattini S:** Platelet-drug interactions: an open field. pp.

61-73.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 1624p 1977. (53 ref.)
ANIMAL/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, metabolism/ CYPROHEPTADINE, pharmacodynamics/ DIPYRIDAMOLE, blood/ DITAZOL, blood/ DOXORUBICIN, pharmacodynamics/ IBUPROFEN, blood/ MONOGRAPH/ NICOTINIC ACIDS, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ REVIEW/ SEROTONIN, pharmacodynamics/ SPECIES SPECIFICITY/ THEOPHYLLINE, blood

1243. **Garattini S, Samanin R:** Amphetamine and fenfluramine, two drugs for studies on food intake. Int J Obes 2(3):349-51, 1978
*AMPHETAMINES, pharmacodynamics/ ANIMAL/ *APPETITE, drug effects/ BRAIN, physiology/ CATECHOLAMINES, secretion/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *FEEDING BEHAVIOR, drug effects/ *FENFLURAMINE, pharmacodynamics/ RATS/ SEROTONIN, secretion

1244. **Garau L, Govoni S, Stefanini E, et al:** Dopamine receptors: pharmacological and anatomical evidences indicate that two distinct dopamine receptor populations are present in rat striatum. Life Sci 23(17-18):1745-50, 30 Oct 78
ADENYL CYCLASE, metabolism/ ANIMAL/ *CORPUS STRIATUM, metabolism/ HALOPERIDOL, pharmacodynamics/ MALE/ RATS/ RECEPTORS, DOPAMINE, classification/ *RECEPTORS, DOPAMINE, drug effects/ SPIPERONE, pharmacodynamics/ SULPIRIDE, pharmacodynamics/ TIME FACTORS

1245. **Garbers DL:** Immobilization of rat lung soluble guanylate cyclase on alkyl-agarose gels. J Cyclic Nucleotide Res 4(4):271-9, Aug 78
AMINES/ ANIMAL/ CATIONS, DIVALENT, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ *ENZYMES, IMMOBILIZED, metabolism/ *GUANYL CYCLASE, metabolism/ KINETICS/ LUNG, enzymology/ RATS/ SEPHAROSE/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1246. **Garbers DL:** Purification of soluble guanylate cyclase from rat lung. J Biol Chem 254(1):240-3, 10 Jan 79
ANIMAL/ *GUANYL CYCLASE, isolation & purification/ GUANYL CYCLASE, metabolism/ KINETICS/ *LUNG, enzymology/ MOLECULAR WEIGHT/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1247. **Garcia MC, Ginther OJ:** Regulation of plasma LH by estradiol and progesterone in ovariectomized mares. Biol Reprod 19(2):447-53, Sep 78
ANIMAL/ BREEDING/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HORSES, blood/ HORSES, physiology/ *LH, blood/ *PROGESTERONE, pharmacodynamics/ SEASONS

1248. **García Ramos J, Rodríguez Ortiz H, Eguía Lis MC:** On the mechanism of the cortical depression induced by afferent stimulation. Acta Physiol Lat Am 27(4):147-56, 1977
ANIMAL/ CATS/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ *RADIAL NERVE, physiology/ *SEROTONIN, pharmacodynamics/ *SPREADING CORTICAL DEPRESSION, drug effects/ *STRYCHNINE, pharmacodynamics

1249. **García-Sánchez JL, Buño W Jr, Fuentes J, et al:** Non-rhythmical hippocampal units, theta rhythm and afferent stimulation. Brain Res Bull 3(3):213-9, May-Jun 78
ACTION POTENTIALS, drug effects/ AFFERENT PATHWAYS, physiology/ ANIMAL/ ELECTRIC STIMULATION/ *ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS, drug effects/ HIPPOCAMPUS, cytology/ HIPPOCAMPUS, drug effects/ *HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ NEURONS, physiology/ *NEURONS, AFFERENT, physiology/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ RETICULAR FORMATION, physiology/ SEPTAL NUCLEI, physiology/ THALAMUS, physiology/ *THETA RHYTHM

1250. **García-Sevilla JA, Ahtee L, Magnusson T, et al:** Opiate-receptor mediated changes in monoamine synthesis in rat brain. J Pharm Pharmacol 30(10):613-21, Oct 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ *BIOGENIC AMINES, biosynthesis/ BRAIN, drug effects/ *BRAIN, metabolism/ CATALEPSY, chemically induced/ ENDORPHINS, administration & dosage/ ENDORPHINS, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ NALTREXONE, pharmacodynamics/ RATS/ *RECEPTORS, NARCOTIC, physiology/ TIME FACTORS

1251. **Gardas A:** Sfingoglikolipidy błony komórkowej. Postepy Biochem 24(3):309-31, 1978 **(Pol)**
ABO BLOOD-GROUP SYSTEM/ BACTERIAL TOXINS, metabolism/ *BLOOD GROUPS/ CELL DIFFERENTIATION/ CELL TRANSFORMATION, NEOPLASTIC/ CELL TRANSFORMATION, VIRAL/ *GLYCOSPHINGOLIPIDS, metabolism/ *MEMBRANE LIPIDS, metabolism/ PLANT EXTRACTS, metabolism/ RECEPTORS, DRUG, metabolism/ RECEPTORS, HORMONE, metabolism

1252. **Gardee R, Greaves D:** Infant-feeding practices among immigrants in Glasgow [letter] Br Med J 2(6150):1498, 25 Nov 78
ASIA, ethnology/ HUMAN/ *INFANT NUTRITION/ INFANT/ *RICKETS, prevention & control/ SCOTLAND

1253. **Gardiner A, Brown MM:** Unusual chromosomal variant in Klinefelter's syndrome. Br Med J 2(6145):1123, 21 Oct 78
ADULT/ BODY HEIGHT/ CASE REPORT/ HUMAN/ *KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ *SEX CHROMOSOMES, ultrastructure/ *X CHROMOSOME, ultrastructure

1254. **Gardiner TH, McAnalley BH:** Effect of lung edema on the pulmonary absorption of drugs. Life Sci 23(17-18):1827-33, 30 Oct 78
ABSORPTION/ ANIMAL/ DEXAMETHASONE, metabolism/ *DRUGS, metabolism/ IN VITRO/ ISONIAZID, metabolism/ *LUNG, metabolism/ MALE/ *PULMONARY EDEMA, metabolism/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1255. **Gardner FH:** Androgen therapy of aplastic anaemia. Clin Haematol 7(3):571-85, Oct 78 (65 ref.)
ACUTE DISEASE/ ANDROGENS, immunology/ ANDROGENS, metabolism/ *ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, complications/ ANEMIA, APLASTIC, diagnosis/ *ANEMIA, APLASTIC, drug therapy/ ANIMAL/ CHILD/ GUINEA PIGS/ HEMATOPOIESIS, drug effects/ HUMAN/ LEUKEMIA, complications/ MALE/ MICE/ RABBITS/ RATS/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1256. **Gardner JD:** Receptors for gastrointestinal hormones. Gastroenterology 76(1):202-14, Jan 79
ANIMAL/ CAERULEIN, metabolism/ GASTRINS, metabolism/ *GASTROINTESTINAL HORMONES, metabolism/ HUMAN/ IODINE RADIOISOTOPES/ ISOTOPE LABELING/ MATHEMATICS/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, metabolism/ SECRETIN, metabolism/ VASOACTIVE INTESTINAL PEPTIDE, metabolism

1257. **Garfield RE, Sims SM, Kannan MS, et al:** Possible role of gap junctions in activation of myometrium during parturition. Am J Physiol 235(5):C168-79, Nov 78
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ FREEZE FRACTURING/ *INTERCELLULAR JUNCTIONS, physiology/ *LABOR/ *MYOMETRIUM, physiology/ MYOMETRIUM, ultrastructure/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, pharmacodynamics/ RATS/ *UTERINE CONTRACTION/ *UTERUS, physiology

1258. **Garg DC, Ng P, Weidler DJ, et al:** Preliminary in vitro and in vivo investigations on methylprednisolone and its acetate. Res Commun Chem Pathol Pharmacol 22(1):37-48, Oct 78
ACETATES, blood/ ANIMAL/ BIOLOGICAL AVAILABILITY/ CATS/ FLUORIDES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, blood/ HYDROLYSIS/ KINETICS/ *METHYLPREDNISOLONE, analogs & derivatives/

*METHYLPREDNISOLONE, blood/ TIME FACTORS

1259. **Garg SK, Chhina GS, Singh B:** Topographic localisation of insulinogenic and insulinoprival areas in the hypothalamus. Experientia 34(9):1237–8, 15 Sep 78
ANIMAL/ CEREBRAL CORTEX, physiology/ ELECTRIC STIMULATION/ *HYPOTHALAMUS, physiology/ *INSULIN, blood/ MALE/ MONKEYS/ PREOPTIC AREA, physiology/ RHESUS MONKEYS

1260. **Garibaldi LR, Borrone C, de Martini I, et al:** Dextrothyroxine treatment of phosphorylase-kinase deficiency glycogenosis in four boys. Helv Paediatr Acta 33(4–5):435–41, Nov 78
ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ BLOOD SUGAR, analysis/ CHILD, PRESCHOOL/ CHOLESTEROL, blood/ DEXTROTHYROXINE, administration & dosage/ *DEXTROTHYROXINE, therapeutic use/ *GLYCOGENOSIS, drug therapy/ GLYCOGENOSIS, enzymology/ HUMAN/ MALE/ *PHOSPHORYLASE KINASE, deficiency/ TRIGLYCERIDES, blood

1261. **Garibaldi LR, Battistini E:** Aspetti clinici e terapeutici della dermatomiosite nell'età pediatrica. Minerva Pediatr 30(22):1793–5, 30 Nov 78 **(Ita)**
*ADRENAL CORTEX HORMONES, therapeutic use/ CALCINOSIS, drug therapy/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *DERMATOMYOSITIS/ DERMATOMYOSITIS, diagnosis/ DERMATOMYOSITIS, drug therapy/ *DIPHOSPHONATES, therapeutic use/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PHYSICAL THERAPY

1262. **Garnier H, Bacourt F, Boucaut P, et al:** Traitement chirurgical des goitres nodulaires toxiques. Chirurgie 104(4):727–31, Jun 78 (Eng. Abstr.) **(Fre)**
ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR, surgery/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ THYROID NEOPLASMS, surgery

1263. **Garte SJ, Belman S:** Effects of multiple phorbol myristate acetate treatments on cyclic nucleotide levels in mouse epidermis. Biochem Biophys Res Commun 84(2):489–94, 29 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MICE/ *PHORBOLS, pharmacodynamics/ SKIN, drug effects/ *SKIN, metabolism/ *TETRADECANOYLPHORBOL ACETATE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1264. **Gartrell N:** Testosterone levels and women's sexual preference [letter] Am J Psychiatry 135(12):1574, Dec 78
FEMALE/ *HOMOSEXUALITY/ *HOMOSEXUALITY, FEMALE/ HUMAN/ *TESTOSTERONE, blood

1265. **Gau GS, Ryder TA:** New vistas in histopathology [letter] Lancet 2(8099):1105, 18 Nov 78
EVALUATION STUDIES/ FEMALE/ *FROZEN SECTIONS/ HUMAN/ IMMUNOENZYME TECHNICS/ *MICROTOMY/ PLACENTA, analysis/ *PLACENTA, pathology/ PLACENTAL LACTOGEN, analysis/ PREGNANCY

1266. **Gautier D, Le Van F, Fromantin M:** Influence de l'hormone mâle sur la libido dans l'impubérisme et l'hypogonadisme á l'âge de 20 ans. Probl Actuels Endocrinol Nutr (21):57–67, 1977 **(Fre)**
ADULT/ HUMAN/ *HYPOGONADISM, drug therapy/ *LIBIDO, drug effects/ MALE/ *PUBERTY, drug effects/ *TESTOSTERONE, pharmacodynamics/ TESTOSTERONE, therapeutic use

1267. **Gay J:** Theories regarding endocrine contributions to the onset of labor. JOGN Nurs 7(5):42–7, Sep–Oct 78
COITUS/ COUNSELING/ ESTROGENS, physiology/ FEMALE/ FETUS, physiology/ *HORMONES, physiology/ HUMAN/ *LABOR ONSET/ *LABOR/ LABOR, PREMATURE/ MALE/ NURSE-PATIENT RELATIONS/ OXYTOCIN, physiology/ PREGNANCY/ PROGESTERONE, physiology/ PROSTAGLANDINS, physiology

1268. **Gaylarde PM, Brock AP, Sarkany I:** Observations on the interactions between non-steroid anti-inflammatory agents and corticosteroids. Australas J Dermatol 19(2):39–44, Aug 78
ADRENAL CORTEX HORMONES, antagonists & inhibitors/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ DRUG INTERACTIONS/ DRUG THERAPY, COMBINATION/ GUINEA PIGS/ OINTMENTS/ SALICYLIC ACIDS, antagonists & inhibitors/ *SALICYLIC ACIDS, pharmacodynamics/ *SKIN, drug effects

1269. **Gazenko OG, Genin AM, Il'in EA, et al:** Osnovnye rezul'taty éksperimenta s mlekopitaiushchimi na biosputnike 'Kosmos-782'. Kosm Biol Aviakosm Med 12(6):43–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ *ANIMALS, LABORATORY, physiology/ BODY WEIGHT/ BONE AND BONES, physiology/ ENGLISH ABSTRACT/ MALE/ MUSCLES, physiology/ ORGAN WEIGHT/ RATS/ RESTRAINT, PHYSICAL, instrumentation/ *SPACE FLIGHT/ STRESS, physiopathology/ TIME FACTORS/ USSR/ WEIGHTLESSNESS, adverse effects

1270. **Gebauer U, Fleisch H:** Effect of 1,25-dihydroxycholecalciferol on adenosine 3',5'-cyclic monophosphate production in calvaria of mice. Calcif Tissue Res 25(3):223–5, 18 Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ *BONE AND BONES, metabolism/ CELLS, CULTURED/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ MICE

1271. **Gedamu L, Dixon GH, Gurdon JB:** Studies of the injection of poly(A)+ protamine mRNA into Xenopus laevis oocytes. Exp Cell Res 117(2):325–34, Dec 78
GLOBIN, biosynthesis/ OOCYTES, metabolism/ POLY A/ *PROTAMINES, biosynthesis/ *RNA, MESSENGER, genetics/ TESTIS/ *TRANSLATION, GENETIC/ TROUT/ XENOPUS

1272. **Geisthövel W, von zur Mühlen A:** Untersuchungen über die Hypophysen-Testes-Funktion bei Männern mit chronischen Lebererkrankungen. Klin Wochenschr 56(18):929–35, 15 Sep 78 (Eng. Abstr.) **(Ger)**
ADULT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FSH, blood/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ *LIVER DISEASES, physiopathology/ LH, blood/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood

1273. **Gelfand MC, Winchester JF, Knepshield JH, et al:** Biochemical correlates of reversal of hepatic coma coated with charcoal hemoperfusion. Trans Am Soc Artif Intern Organs 24:239–42, 1978
ADOLESCENCE/ ADULT/ AMINO ACIDS, blood/ AMINO ACIDS, cerebrospinal fluid/ AMMONIA, blood/ CATECHOLAMINES, cerebrospinal fluid/ *CHARCOAL, therapeutic use/ FEMALE/ *HEMOPERFUSION/ *HEPATIC COMA, therapy/ HUMAN/ LIVER, pathology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, cerebrospinal fluid/ SEROTONIN, cerebrospinal fluid

1274. **Geller J, Albert J, Yen SS:** Treatment of advanced cancer of prostate with megestrol acetate. Urology 12(5):537–41, Nov 78
ACID PHOSPHATASE, metabolism/ BONE AND BONES, radionuclide imaging/ DEHYDROEPIANDROSTERONE, blood/ HUMAN/ MALE/ MEGESTROL, pharmacodynamics/ *MEGESTROL, therapeutic use/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, pathology/ RECURRENCE/ TESTOSTERONE, blood

1275. **Gellis SS, Feingold M, Sotos JF, et al:** Picture of the month. Kocher-Debré-Semelaigne syndrome. Am J Dis Child 132(10):1033–4, Oct 78
CASE REPORT/ *CRETINISM, diagnosis/

CRETINISM, pathology/ HUMAN/ HYPERTROPHY/ *MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, pathology/ SYNDROME

1276. **Gembicki M, Kosowicz J:** Growth hormone and prolactin radioimmunoassay in early diagnosis of pituitary tumors. Endokrynol Pol 29(6):509-16, Nov-Dec 78
HUMAN/ *PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, secretion/ *PROLACTIN, blood/ *SOMATOTROPIN, blood

1277. **Gemme G:** La malattia reumatoide nel bambino. Acquisizioni attuali e considerazioni del pediatra. Minerva Pediatr 30(22):1741-50, 30 Nov 78 **(Ita)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ AGE FACTORS/ *ANTI-INFLAMMATORY AGENTS, administration & dosage/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ *ARTHRITIS, JUVENILE RHEUMATOID/ ARTHRITIS, JUVENILE RHEUMATOID, diagnosis/ ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ ASPIRIN, administration & dosage/ ASPIRIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHLOROQUINE, administration & dosage/ CHLOROQUINE, therapeutic use/ CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ GOLD, administration & dosage/ GOLD, therapeutic use/ HUMAN/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, therapeutic use/ MALE/ PENICILLAMINE, administration & dosage/ PENICILLAMINE, therapeutic use/ PHENYLBUTAZONE, administration & dosage/ PHENYLBUTAZONE, therapeutic use/ WISSLER'S SYNDROME, diagnosis/ WISSLER'S SYNDROME, drug therapy

1278. **Gemzell CA:** Experience with the induction of ovulation. J Reprod Med 21(3 Suppl):205-7, Sep 78
ABORTION/ ANOVULATION, drug therapy/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ *GONADOTROPINS, PITUITARY, therapeutic use/ HUMAN/ MENOTROPINS, therapeutic use/ *OVULATION INDUCTION, methods/ PITUITARY NEOPLASMS, complications/ PREGNANCY/ PREGNANCY, MULTIPLE/ STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology

1279. **Genazzani AR, Pecciarini-Snickars L, Franchi F, et al:** Diagnostic approach to the hirsute patient. Horm Res 9(6):379-93, 1978
ADOLESCENCE/ ADULT/ AGE FACTORS/ *ANDROGENS, blood/ CHILD/ CHILD, PRESCHOOL/ CORTICOTROPIN, diagnostic use/ DEXAMETHASONE, diagnostic use/ FEMALE/ HIRSUTISM, blood/ *HIRSUTISM, diagnosis/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ INFANT, NEWBORN/ MIDDLE AGE/ SEX HORMONE BINDING GLOBULIN, metabolism

1280. **Genth E, Detering-Hübner B, Stankovic A, et al:** Schilddrüsenerkrankungen bei rheumatoider Arthritis. Med Welt 29(45):1746-53, 10 Nov 78 **(Ger)**
ANTI-INFLAMMATORY AGENTS, adverse effects/ *ARTHRITIS, RHEUMATOID, complications/ FEMALE/ GOITER, chemically induced/ HUMAN/ HYPOTHYROIDISM, chemically induced/ MALE/ MIDDLE AGE/ *THYROID DISEASES, etiology

1281. **Gentilini P, Laffi G:** Funzione renale nelle epatopatie croniche. Minerva Med 69(47):3215-30, 6 Oct 78 (159 ref.) **(Ita)**
ENDOTOXINS, blood/ HUMAN/ KIDNEY DISEASES, etiology/ KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY, blood supply/ *KIDNEY, physiopathology/ KININS, biosynthesis/ *LIVER DISEASES, physiopathology/ NATRIURESIS/ PLASMA VOLUME/ PROLACTIN, blood/ PROSTAGLANDINS, biosynthesis/ REVIEW/ VASOACTIVE INTESTINAL PEPTIDE, biosynthesis/ VASOCONSTRICTION/ VASOMOTOR SYSTEM, physiopathology

1282. **Georgiev TN, Valkov IM:** Virilizing adrenal rest tumor of the ovary--a clinicomorphological study. Endokrynol Pol 29(6):537-41, Nov-Dec 78
*ADENOMA, VIRILIZING, pathology/ ADULT/ *ARRHENOBLASTOMA, pathology/ CASE REPORT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, pathology

1283. **Gerasimenko PP:** Sochetanie gormonal'no-aktivnoĭ opukholi nadpochechnika s gipertenzivnym zabolevaniem pochek. Kardiologiia 18(11):51-7, Nov 78 (Eng. Abstr.) **(Rus)**
ADRENAL CORTEX FUNCTION TESTS/ ADRENAL CORTEX HORMONES, urine/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLANDS, physiopathology/ ADRENAL MEDULLA, physiopathology/ ADULT/ AGED/ CASE REPORT/ CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA, diagnosis/ *HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENOVASCULAR, diagnosis/ MALE/ MIDDLE AGE

1284. **Gerber JG, Nies AS, Friesinger GC, et al:** The effect of PGI2 on canine renal function and hemodynamics. Prostaglandins 16(4):519-28, Oct 78
ANIMAL/ *DIURESIS, drug effects/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ INJECTIONS, INTRA-ARTERIAL/ KIDNEY, blood supply/ *KIDNEY, drug effects/ MALE/ NATRIURESIS, drug effects/ POTASSIUM, urine/ PROSTAGLANDINS X, administration & dosage/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE, drug effects

1285. **Gergely P, Dombrádi V, Bot G:** Regulation of phosphoprotein phosphatase by phosphorylation of other proteins in skeletal muscle. FEBS Lett 93(2):239-41, 15 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ENZYME ACTIVATION/ EGTA, pharmacodynamics/ GLYCOGEN SYNTHETASE, metabolism/ LIGANDS/ *MUSCLES, enzymology/ PHOSPHOPROTEIN PHOSPHATASES, antagonists & inhibitors/ *PHOSPHOPROTEIN PHOSPHATASES, metabolism/ PHOSPHORYLASE A, metabolism/ PHOSPHORYLASE KINASE, metabolism/ PHOSPHORYLATION/ PROTEIN KINASE, metabolism/ RABBITS

1286. **Gerrard JM, White JG:** Prostaglandins and thromboxanes: 'middlemen' modulating platelet function in hemostasis and thrombosis. Prog Hemost Thromb 4:87-125, 1978 (171 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL/ ARACHIDONIC ACIDS, physiology/ ATHEROSCLEROSIS, blood/ BLOOD COAGULATION/ *BLOOD PLATELETS, physiology/ CALCIUM, metabolism/ *HEMOSTASIS/ HUMAN/ PROSTAGLANDINS G, pharmacodynamics/ PROSTAGLANDINS H, pharmacodynamics/ PROSTAGLANDINS, isolation & purification/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RATS/ REVIEW/ *THROMBOSIS, physiopathology/ THROMBOXANE A2, pharmacodynamics/ THROMBOXANES, isolation & purification/ *THROMBOXANES, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1287. **Gerritsen SW, Akkerman JW, Sixma JJ:** Correction of the bleeding time in patients with storage pool deficiency by infusion of cryoprecipitate. Br J Haematol 40(1):153-60, Sep 78
ADENOSINE DIPHOSPHATE, blood/ ADENOSINE TRIPHOSPHATE, blood/ ADULT/ ALBINISM, therapy/ *BLOOD COAGULATION/ BLOOD PLATELET DISORDERS, blood/ *BLOOD PLATELET DISORDERS, therapy/ BLOOD PLATELETS, analysis/ BONE MARROW, cytology/ CEROID, analysis/ CHILD, PRESCHOOL/ COLD/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ MACROPHAGES, analysis/ MALE/ MIDDLE AGE/ PRECIPITATION/ SEROTONIN, blood/ SERUM ALBUMIN, administration & dosage/ *SERUM ALBUMIN, therapeutic use/ SYNDROME

1288. **Gershengorn MC:** Bihormonal regulation of the thyrotropin-releasing hormone receptor in mouse pituitary thyrotropic tumor cells in culture. J Clin Invest 62(5):937-43,

Nov 78
CELLS, CULTURED/ NEOPLASMS, EXPERIMENTAL, metabolism/ PITUITARY NEOPLASMS, metabolism/ *RECEPTORS, HORMONE, drug effects/ RECEPTORS, HORMONE, metabolism/ *THYROTROPIN RELEASING HORMONE, metabolism/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, metabolism/ *TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1289. **Gervais A, Busch U, Wood JM, et al:** Effect of a toxic in vivo dose of ouabain on guinea-pig heart mitochondria. J Mol Cell Cardiol 10(11):1003-15, Nov 78
ADENOSINE DIPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ GUINEA PIGS/ MITOCHONDRIA, HEART, drug effects/ *MITOCHONDRIA, HEART, metabolism/ *OUABAIN, pharmacodynamics/ OUABAIN, toxicity/ OXIDATIVE PHOSPHORYLATION, drug effects/ OXYGEN CONSUMPTION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1290. **Gervais C, Benezet O, Fabre S:** Acidose tubulaire rénale réversible au cours d'une insuffisance rénale aiguë à diurèse conservée. Nouv Presse Med 7(35):3155, 14 Oct 78 **(Fre)**
ACIDOSIS, RENAL TUBULAR, chemically induced/ *ACIDOSIS, RENAL TUBULAR, etiology/ AGED/ CASE REPORT/ DIURESIS/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ KIDNEY FAILURE, ACUTE, chemically induced/ *KIDNEY FAILURE, ACUTE, etiology/ TOBRAMYCIN, adverse effects

1291. **Gessner T, Dresner JH, Freedman HJ, et al:** Presence of glucuronyltransferase activity in human lymphocytes. Res Commun Chem Pathol Pharmacol 22(1):187-97, Oct 78
B-LYMPHOCYTES, enzymology/ CELL LINE/ GLUCURONATES, metabolism/ HUMAN/ IN VITRO/ *LYMPHOCYTES, enzymology/ TESTOSTERONE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UDP GLUCURONOSYLTRANSFERASE, metabolism

1292. **Geyer MA, Dawsey WJ, Mandell AJ:** Fading: a new cytofluorimetric measure quantifying serotonin in the presence of catecholamines at the cellular level in brain. J Pharmacol Exp Ther 207(2):650-67, Nov 78
ANIMAL/ *BRAIN CHEMISTRY/ BRAIN CHEMISTRY, drug effects/ BRAIN MAPPING/ BRAIN, cytology/ CHLORIMIPRAMINE, pharmacodynamics/ DOPAMINE, analysis/ EXTRACELLULAR SPACE, analysis/ FENFLURAMINE, pharmacodynamics/ FLUOXETIN, pharmacodynamics/ *HISTOCYTOCHEMISTRY, methods/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/ NOREPINEPHRINE, analysis/ PARGYLINE, pharmacodynamics/ RATS/ *SEROTONIN, analysis/ SPECTROMETRY, FLUORESCENCE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1293. **Ghanadian R, Smith CB, Chisholm GD:** Receptor protein for dihydrotestosterone in nuclei of the female prostate of Praomys (Mastomys) natalensis. Invest Urol 16(2):119-22, Sep 78
ANIMAL/ CELL NUCLEUS, analysis/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ GENITALIA, FEMALE, analysis/ *GENITALIA, FEMALE, metabolism/ PROSTATE, analysis/ *PROSTATE, metabolism/ RECEPTORS, ANDROGEN, analysis/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ *RODENTS, metabolism/ TRITIUM

1294. **Ghosal S, Biswas K, Srivastava RS, et al:** Toxic substances produced by Fusarium V: occurrence of zearalenone, diacetoxyscirpenol, and T-2 toxin in moldy corn infected with Fusarium moniliforme Sheld. J Pharm Sci 67(12):1768-9, Dec 78
*CORN, analysis/ CORN, microbiology/ *EPOXYTRICHOTHECENES, analysis/ *FUSARIUM, analysis/ *MYCOTOXINS, analysis/ *RESORCINOLS, analysis/ *SESQUITERPENES, analysis/ *T-2 TOXIN, analysis/ *ZEARALENONE, analysis

1295. **Ghraf R, Lax ER, Oza S, et al:** Transformation of C18-, C19- and C21-steroids by cultures of Candida albicans. J Steroid Biochem 6(11-12):1531-6, Nov-Dec 75
ADRENAL CORTEX HORMONES, metabolism/ ANDROGENS, metabolism/ *CANDIDA ALBICANS, metabolism/ ESTROGENS, metabolism/ KINETICS/ PROGESTERONE, metabolism/ *STEROIDS, metabolism/ TESTOSTERONE, metabolism

1296. **Giannessi D, Zucchelli GC, Simonini N, et al:** Methodological validation of HCS, estriol, estradiol and progesterone radioimmunoassay in pregnancy. J Nucl Med Allied Sci 22(2):71-8, Apr-Jun 78
*ESTRADIOL, blood/ *ESTRIOL, blood/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY, methods

1297. **Giardina G, Durando C, Devalle G, et al:** Attuali orientamenti per il trattamento dei tumori trofoblastici. Minerva Ginecol 30(10):893-6, Oct 78 **(Ita)**
CHORIOCARCINOMA, prevention & control/ *CITROVORUM FACTOR, therapeutic use/ *DACTINOMYCIN, therapeutic use/ FEMALE/ HUMAN/ *METHOTREXATE, therapeutic use/ PREGNANCY/ *TROPHOBLASTIC TUMOR, drug therapy/ *UTERINE NEOPLASMS, drug therapy

1298. **Gibb W, Lavoie JC, Roux JF:** 3beta-Hydroxysteroid dehydrogenase activity in human fetal membranes. Steroids 32(3):365-72, Oct 78
*AMNION, enzymology/ *CHORION, enzymology/ DEHYDROEPIANDROSTERONE/ FEMALE/ HUMAN/ IN VITRO/ MICROSOMES, enzymology/ NAD, metabolism/ NADP, metabolism/ PLACENTA, enzymology/ PREGNANCY/ PREGNENOLONE/ SUBCELLULAR FRACTIONS, enzymology/ SUBSTRATE SPECIFICITY/ *3-HYDROXYSTEROID DEHYDROGENASES, metabolism

1299. **Giddings HB, Surks MI:** Cerebral embolization in atrial fibrillation complicating hyperthyroidism. JAMA 240(23):2567, 1 Dec 78
*AURICULAR FIBRILLATION, complications/ CASE REPORT/ *CEREBRAL EMBOLISM AND THROMBOSIS, complications/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ MIDDLE AGE/ REMISSION/ UNITED STATES GOV'T SUPPORTED

1300. **Gijsbers AJ, Millar JA, O'Sullivan K, et al:** Activation of occult amoebiasis by corticosteroids [letter] Br Med J 2(6148):1372-3, 11 Nov 78
ADULT/ CASE REPORT/ *CECAL DISEASES, chemically induced/ *DYSENTERY, AMEBIC, chemically induced/ HUMAN/ MALE/ *PREDNISOLONE, adverse effects/ ULCER, chemically induced

1301. **Gil-Ad I, Locatelli V, Cocchi D, et al:** Effect of hyperprolactinemia and 2-BR-alpha-ergocryptine on neuroendocrine mechanism(s) for gonadotropin control. Life Sci 23(22):2245-56, 27 Nov 78
ANIMAL/ CASTRATION/ FEMALE/ FSH, blood/ *GONADOTROPINS, metabolism/ HYPOTHALAMUS, MEDIAL, metabolism/ LH, blood/ LH-FSH RELEASING HORMONE, metabolism/ MALE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ *NEUROSECRETORY SYSTEMS, drug effects/ PITUITARY GLAND, ANTERIOR/ PITUITARY NEOPLASMS, metabolism/ *PROLACTIN, blood/ RATS/ SEX FACTORS/ *2-BROMOERGOCRYPTINE, pharmacodynamics

1302. **Gil Recasens ME, de Lourdes Collado M, Hicks JJ:** Nuevos conceptos relacionados con la implantación. II. Reacción decidual. Ginecol Obstet Mex 44(263):211-21, Sep 78 (Eng. Abstr.) **(Spa)**
DECIDUA, physiology/ DNA, biosynthesis/ ENGLISH ABSTRACT/ ESTROGENS, physiology/ FEMALE/ HUMAN/ *NIDATION/ OVULATION/ PREGNANCY/ PROGESTERONE, physiology/

RNA, biosynthesis

1303. **Gilbert H, Apuzzo M, Marshall L, et al:** Neoplastic epidural spinal cord compression. A current perspective. JAMA 240(25):2771–3, 15 Dec 78
DEXAMETHASONE, therapeutic use/ *EPIDURAL SPACE/ EPIDURAL SPACE, pathology/ HUMAN/ LUNG NEOPLASMS, pathology/ NEOPLASM METASTASIS/ PARAPLEGIA, pathology/ PROGNOSIS/ *SPINAL CANAL/ SPINAL CANAL, pathology/ SPINAL CORD COMPRESSION, drug therapy/ *SPINAL CORD COMPRESSION, etiology/ SPINAL CORD COMPRESSION, pathology/ SPINAL CORD COMPRESSION, radiotherapy/ *SPINAL NEOPLASMS, complications/ SPINAL NEOPLASMS, pathology/ SPINAL NEOPLASMS, therapy

1304. **Gilbert JC, Lambie AT, Osore H:** Effects of aldosterone and spironolactone on renal ATPase activities [proceedings] Br J Pharmacol 64(3):408P, Nov 78
*ADENOSINE TRIPHOSPHATASE, metabolism/ *ALDOSTERONE, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION/ IN VITRO/ *KIDNEY, enzymology/ RATS/ *SPIRONOLACTONE, pharmacodynamics

1305. **Gill DL, Marshall NJ, Ekins RP:** Characterization of thyrotropin binding to specific receptors in human fat tissue. Mol Cell Endocrinol 12(1):41–51, Oct 78
*ADIPOSE TISSUE, metabolism/ BINDING, COMPETITIVE/ CELL MEMBRANE, metabolism/ HUMAN/ KINETICS/ *RECEPTORS, HORMONE, metabolism/ *THYROTROPIN, metabolism

1306. **Gillenwater JY, Morris SA, Bryan PR, et al:** Response of the rabbit vas deferens in vivo to vasoactive drugs. Invest Urol 16(3):213–8, Nov 78
ANIMAL/ *BETHANECHOL COMPOUNDS, pharmacodynamics/ CASTRATION/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ *GUANETHIDINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ NOREPINEPHRINE, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VAS DEFERENS, drug effects/ VAS DEFERENS, metabolism/ VASECTOMY

1307. **Gilles-Baillien M, Verbert M:** Seasonal changes in the electrical parameters of the small intestine, colon and bladder mucosa of land tortoises (testudo hermanni hermanni Gmelin). Experientia 34(9):1174–5, 15 Sep 78
ALDOSTERONE, blood/ ANIMAL/ *BLADDER, physiology/ ELECTRIC CONDUCTIVITY/ *HIBERNATION/ *INTESTINAL MUCOSA, physiology/ SEASONS/ TURTLES, blood/ *TURTLES, physiology/ WATER-ELECTROLYTE BALANCE

1308. **Gillespie JJ, Arnold LK:** Anaplastic dysgerminoma. Cancer 42(4):1886–9, Oct 78
ADOLESCENCE/ ANAPLASIA, pathology/ CASE REPORT/ *DYSGERMINOMA, pathology/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ NEOPLASM INVASIVENESS/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, pathology/ RISK/ TIME FACTORS

1309. **Gist DH:** Adrenocortical effects on carbohydrate metabolism in Anolis carolinensis. Gen Comp Endocrinol 35(4):500–2, Aug 78
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ *BLOOD SUGAR, metabolism/ *CORTICOSTERONE, pharmacodynamics/ *GLYCOGEN, metabolism/ LIVER GLYCOGEN, metabolism/ *LIZARDS, metabolism/ MALE/ MUSCLES, metabolism/ UNITED STATES GOV'T SUPPORTED

1310. **Giudicelli Y, Pecquery R:** beta-Adrenergic receptors and catecholamine-sensitive adenylate cyclase in rat fat-cell membranes: influence of growth, cell size and aging. Eur J Biochem 90(2):413–9, Oct 78
*ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, growth & development/ *ADIPOSE TISSUE, metabolism/ AGING/ ANIMAL/ BINDING, COMPETITIVE/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, metabolism/ *RECEPTORS, ADRENERGIC, BETA, metabolism

1311. **Giudicelli Y, Brulle D, Nordmann R:** Influence of acetaldehyde on stimulated lipolysis and cyclic AMP formation in isolated rat fat cells. Comparison with ethanol. Biochem Pharmacol 27(21):2559–61, 1978
*ACETALDEHYDE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADIPOSE TISSUE, cytology/ *ADIPOSE TISSUE, metabolism/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ GLYCERIN, metabolism/ *LIPIDS, metabolism/ NOREPINEPHRINE, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics

1312. **Giugliano D, Torella R, Sgambato S, et al:** Prostaglandin E1 increases basal glucagon in man. Pharmacol Res Commun 10(9):813–21, Oct 78
ADULT/ ANIMAL/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ *GLUCAGON, blood/ HUMAN/ INSULIN, pharmacodynamics/ MALE/ *PROSTAGLANDINS E, pharmacodynamics/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ TIME FACTORS

1313. **Giuliani L, Pescatore D, Giberti C, et al:** Usefulness and limitation of estrogen receptor protein (ERP) assay in human renal cell carcinomas. Eur Urol 4(5):342–7, 1978
*ADENOCARCINOMA, diagnosis/ ADULT/ BINDING SITES/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ *NEOPLASM PROTEINS, analysis/ PROTEIN BINDING/ *RECEPTORS, ESTROGEN, analysis

1314. **Gjerris A, Lindholm J, Riishede J:** Pituitary oncocytic tumor with Cushing's disease. Cancer 42(4):1818–22, Oct 78
ADENOMA, complications/ ADENOMA, secretion/ *ADENOMA, ultrastructure/ ADULT/ CASE REPORT/ *CUSHING'S SYNDROME, complications/ ENDOPLASMIC RETICULUM, ultrastructure/ FEMALE/ HUMAN/ HYDROCORTISONE, secretion/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, ultrastructure/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, secretion/ *PITUITARY NEOPLASMS, ultrastructure

1315. **Glass AR, Smith CE, Kidd GS, et al:** Response of the hypothalamic-pituitary-testicular axis to surgery. Fertil Steril 30(5):560–4, Nov 78
ANDROSTENEDIONE, blood/ ANESTHESIA, GENERAL/ ANESTHESIA, LOCAL/ ANESTHESIA, SPINAL/ DEPRESSION, CHEMICAL/ ESTRADIOL, blood/ ESTRADIOL, pharmacodynamics/ FSH, blood/ HUMAN/ HYDROXYPROGESTERONES, blood/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, surgery/ LH, blood/ MALE/ MIDDLE AGE/ *TESTIS, physiopathology/ TESTIS, surgery/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ TESTOSTERONE, secretion

1316. **Glezerman M, Levin S, Bernstein D:** Reifenstein's syndrome--a target cell failure. Andrologia 10(5):353–6, Sep-Oct 78
ADULT/ CASE REPORT/ FSH, blood/ *GYNECOMASTIA, familial & genetic/ HUMAN/ HYPOGONADISM, familial & genetic/ HYPOSPADIAS, familial & genetic/ LH, blood/ MALE/ OLIGOSPERMIA, familial & genetic/ PROLACTIN, blood/ *PSEUDOHERMAPHRODITISM, familial & genetic/ SYNDROME/ TESTOSTERONE, blood

1317. **Glonek T, Marotta SF:** 31P magnetic resonance of intact endocrine tissue: adrenal glands of dogs. Horm Metab Res 10(5):420–4, Sep 78
ADENINE NUCLEOTIDES, metabolism/ *ADRENAL GLANDS, metabolism/ ANIMAL/ DOGS/ MALE/ NUCLEAR MAGNETIC RESONANCE/ *PHOSPHATES, metabolism/

PHOSPHATIDYLETHANOLAMINES, metabolism

1318. **Gloor E:** Tumeur sclérosante du stroma ovarien. Présentation d'un cas. J Gynecol Obstet Biol Reprod (Paris) 7(4):785–8, May–Jun 78 (Eng. Abstr.) **(Fre)**
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ PREGNANCY/ *STERILITY, FEMALE, etiology

1319. **Glorieux FH, Bordier PJ, Marie P, et al:** Inadequate bone response to phosphate and vitamin D in familial hypophosphatemic rickets (FHR). Adv Exp Med Biol 103:227–32, 1978
*BONE AND BONES, pathology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPOPHOSPHATEMIA, FAMILIAL, complications/ *HYPOPHOSPHATEMIA, FAMILIAL, drug therapy/ HYPOPHOSPHATEMIA, FAMILIAL, metabolism/ HYPOPHOSPHATEMIA, FAMILIAL, pathology/ *PHOSPHATES, therapeutic use/ *RICKETS, VITAMIN D RESISTANT, drug therapy/ RICKETS, VITAMIN D RESISTANT, etiology/ RICKETS, VITAMIN D RESISTANT, metabolism/ RICKETS, VITAMIN D RESISTANT, pathology/ *VITAMIN D, therapeutic use

1320. **Gluck FB, Nusynowitz ML, Montgomery M:** Primary hypothyroidism and pituitary insufficiency. South Med J 71(12):1521–3, Dec 78
ADULT/ CASE REPORT/ HUMAN/ HYPOPITUITARISM, blood/ *HYPOPITUITARISM, complications/ HYPOTHYROIDISM, blood/ *HYPOTHYROIDISM, complications/ MALE/ PITUITARY NEOPLASMS, complications/ SELLA TURCICA, radiography/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1321. **Gluckman E, Devergie A, Faille A, et al:** Treatment of severe aplastic anemia with antilymphocyte globulin and androgens. Exp Hematol 6(8):679–87, Sep 78
ADOLESCENCE/ ADULT/ *ANDROGENS, therapeutic use/ ANEMIA, APLASTIC, blood/ ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, mortality/ *ANEMIA, APLASTIC, therapy/ *ANTILYMPHOCYTE SERUM, therapeutic use/ BONE MARROW, cytology/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COLONY-FORMING UNITS ASSAY/ DRUG EVALUATION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

1322. **Gluckman PD, Ballard PL, Kaplan SL, et al:** Prolactin in umbilical cord blood and the respiratory distress syndrome. J Pediatr 93(6):1011–4, Dec 78
BETAMETHASONE, therapeutic use/ DEHYDROEPIANDROSTERONE, blood/ FEMALE/ FETAL BLOOD/ GESTATIONAL AGE/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ LUNG, embryology/ PREGNANCY/ *PROLACTIN, blood/ PROLACTIN, physiology/ *RESPIRATORY DISTRESS SYNDROME, etiology/ RESPIRATORY DISTRESS SYNDROME, occurrence/ RESPIRATORY DISTRESS SYNDROME, prevention & control/ SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1323. **Glynn P, Cooper DM:** Inhibition of bovine adrenocortical adenylate cyclase activity by adenosine. Biochim Biophys Acta 526(2):605–12, 12 Oct 78
ADENOSINE DEAMINASE, pharmacodynamics/ ADENOSINE, analogs & derivatives/ *ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, antagonists & inhibitors/ *ADRENAL CORTEX, enzymology/ ADRENAL GLAND NEOPLASMS, enzymology/ ANIMAL/ BINDING SITES/ CATTLE/ CELL MEMBRANE, enzymology/ COMPARATIVE STUDY/ NEOPLASMS, EXPERIMENTAL, enzymology

1324. **Godfrey S, Balfour-Lynn L, Tooley M:** A three- to five-year follow-up of the use of the aerosol steroid, beclomethasone dipropionate, in childhood asthma. J Allergy Clin Immunol 62(6):335–9, Dec 78
ADMINISTRATION, ORAL/ ADOLESCENCE/ AEROSOLS/ *ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, adverse effects/ *BECLOMETHASONE, therapeutic use/ BODY HEIGHT, drug effects/ BODY WEIGHT, drug effects/ CHILD/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MALE/ STEROIDS, administration & dosage/ STEROIDS, therapeutic use/ TIME FACTORS

1325. **Godin M, Fillastre JP:** Traitement des hypercalcémies sévères. Rev Prat 28(41):3133–4, 3137–8, 3141, 21 Sep 78 (Eng. Abstr.) **(Fre)**
ACUTE DISEASE/ CALCITONIN, therapeutic use/ ENGLISH ABSTRACT/ FUROSEMIDE, therapeutic use/ HEMODIALYSIS/ HUMAN/ HYPERCALCEMIA, etiology/ *HYPERCALCEMIA, therapy/ MITHRAMYCIN, therapeutic use/ WATER-ELECTROLYTE IMBALANCE, therapy

1326. **Godkin JD, Coté C, Duby RT:** Embryonic stimulation of ovine and bovine corpora lutea. J Reprod Fertil 54(2):375–8, Nov 78
ANIMAL/ CATTLE/ *CORPUS LUTEUM, metabolism/ *EMBRYO/ FEMALE/ IN VITRO/ PREGNANCY/ PRENIDATION PHASE, ANIMAL/ *PROGESTERONE, biosynthesis/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1327. **Goebel R, Rjosk HK:** Danazol. Ein neues synthetisches Gestagen--Behandlungsergebnisse bei Endometriose, Mastopathie und langjähriger primärer Ehesterillität. Geburtshilfe Frauenheilkd 38(11):932–40, Nov 78 (Eng. Abstr.) **(Ger)**
ACNE, chemically induced/ BODY WEIGHT/ *BREAST DISEASES, drug therapy/ DANAZOL, administration & dosage/ DANAZOL, adverse effects/ *DANAZOL, therapeutic use/ DYSMENORRHEA, drug therapy/ DYSPAREUNIA, drug therapy/ *ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ GENITAL NEOPLASMS, FEMALE, drug therapy/ HUMAN/ LH, blood/ *PREGNADIENES, therapeutic use/ PROGESTERONE, blood/ PROLACTIN, blood/ *STERILITY, FEMALE, drug therapy

1328. **Goebel R:** Biochemical parameters for surveillance of high-risk pregnancies. Horm Res 9(6):339–64, 1978
ABORTION/ ALPHA FETOPROTEINS, metabolism/ AMNIOTIC FLUID, metabolism/ ESTRIOL, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ PLACENTAL LACTOGEN, blood/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY COMPLICATIONS, therapy/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PROGESTERONE, blood/ RISK

1329. **Goel VK, Joshi BC:** Effect of progesterone on the magnum proteins during primary stimulation of chick oviduct. Br Poult Sci 19(5):591–4, Sep 78
*ALBUMINS, secretion/ ANIMAL/ *CHICKENS, metabolism/ CONALBUMIN, secretion/ FEMALE/ OVALBUMIN, secretion/ *OVIDUCTS, drug effects/ OVIDUCTS, metabolism/ *PROGESTERONE, pharmacodynamics

1330. **Goffart M, Canguilhem B, Hildwein G, et al:** The sympathico-adrenomedullary system and non-shivering thermogenesis in Perodicticus potto (Prosimii, Lorisidae, Lorisinae). Comp Biochem Physiol [C] 61C(1):189–201, 1978
ADRENAL GLANDS, anatomy & histology/ *ADRENAL MEDULLA, secretion/ ANIMAL/ BIBLIOGRAPHY/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ BROWN FAT, metabolism/ *COLD/ *EPINEPHRINE, secretion/ FEMALE/ MALE/ *NOREPINEPHRINE, secretion/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ *PROSIMIANS, physiology/ SHIVERING/ TEMPERATURE/ TIME FACTORS/ 17-HYDROXYCORTICOSTEROIDS, urine

1331. **Gogin EE, Gerasimov GM, Martyniuk AD:** Novye vozmozhnosti differentsial'noĭ diagnostiki i terapii arterial'noĭ gipertenzii. Klin Med (Mosk) 56(10):30–5, Oct 78 **(Rus)**
ADULT/ ALDOSTERONE, blood/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERTENSION, diagnosis/ HYPERTENSION, drug therapy/ HYPERTENSION, RENOVASCULAR,

diagnosis/ HYPERTENSION, RENOVASCULAR, drug therapy/ MIDDLE AGE/ RENIN, blood

1332. **Goglidze RI, Dzhokhadze DI:** Sootnoshenie iadryshkovoĭ i karyoplazmaticheskoĭ form RNK-polimerazy v iadrakh kletok razlichnykh tkaneĭ v norme i posle vvedeniia gidrokortizona. Probl Endokrinol (Mosk) 24(6):73–7, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BRAIN, enzymology/ CELL NUCLEOLUS, enzymology/ *CELL NUCLEUS, enzymology/ DACTINOMYCIN, pharmacodynamics/ ENGLISH ABSTRACT/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, pharmacodynamics/ KIDNEY, enzymology/ LIVER, enzymology/ MALE/ NMN ADENYLYLTRANSFERASE, metabolism/ RATS/ *RNA POLYMERASES, metabolism/ *RNA, biosynthesis/ SPLEEN, enzymology/ STIMULATION, CHEMICAL/ TRANSCRIPTION, GENETIC, drug effects

1333. **Goischke HK:** Die Beziehungen der Nebennierenrinde zu Schilddrüsenfunktionsstörungen. Med Klin 73(43):1523–6, 27 Oct 78 (26 ref.) **(Ger)**
ADDISON'S DISEASE, complications/ *ADRENAL CORTEX, secretion/ COMA, drug therapy/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ HYPERTHYROIDISM, physiopathology/ HYPERTHYROIDISM, therapy/ HYPOTHYROIDISM, physiopathology/ MYXEDEMA, complications/ REVIEW/ THYROID DISEASES, complications/ *THYROID HORMONES, physiology/ THYROID HORMONES, therapeutic use/ TRIIODOTHYRONINE, therapeutic use

1334. **Golanov EV, Kaliuzhnyĭ LV:** Analgeziruiushchiĭ éffekt élektrostimuliatsii dorsomedial'nogo gipotalamusa u krolikov. Dokl Akad Nauk SSSR 242(2):469072, 1978 **(Rus)**
*ANALGESIA/ ANIMAL/ BRAIN MAPPING/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ *HYPOTHALAMUS, physiology/ NEURAL PATHWAYS, physiology/ *PAIN, physiopathology/ RABBITS/ RAPHE NUCLEI, physiology

1335. **Gold EW, Fox OD, Weissfeld S, et al:** Corticosteroid-induced avascular necrosis: an experimental study in rabbits. Clin Orthop (135):272–80, Sep 78
*ADRENAL CORTEX HORMONES/ ANIMAL/ BONE AND BONES, pathology/ LIPIDS, blood/ MALE/ METHYLPREDNISOLONE/ OSTEONECROSIS, blood/ *OSTEONECROSIS, chemically induced/ OSTEONECROSIS, pathology/ PROSTAGLANDINS B, blood/ PROSTAGLANDINS F, blood/ RABBITS

1336. **Goldenberg DM, Sharkey RM, Primus FJ:** Immunocytochemical detection of carcinoembryonic antigen in conventional histopathology specimens. Cancer 42(3 Suppl):1546–53, Sep 78
*CARCINOEMBRYONIC ANTIGEN/ CARCINOEMBRYONIC ANTIGEN, analysis/ COLITIS, metabolism/ COLON, analysis/ COLONIC NEOPLASMS, metabolism/ HUMAN/ *IMMUNOENZYME TECHNICS/ INTESTINAL MUCOSA, analysis/ NEOPLASM METASTASIS/ NEOPLASMS, analysis/ *NEOPLASMS, metabolism/ OVARIAN NEOPLASMS, metabolism

1337. **Goldman JK, Bernardis LL, Kodis M:** Early changes in gluconeogenesis and lipogenesis following destruction of the ventromedial hypothalamic nuclei. Metabolism 27(12 Suppl 2):2006–8, Dec 78
ANIMAL/ *GLUCONEOGENESIS/ GLYCOGEN, biosynthesis/ *HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, MEDIAL, physiology/ *LIPIDS, biosynthesis/ LIVER GLYCOGEN, biosynthesis/ *LIVER, metabolism/ MALE/ MUSCLES, metabolism/ PROTEINS, biosynthesis/ RATS/ TRITIUM/ UNITED STATES GOV'T SUPPORTED

1338. **Goldstein A, Grevert P:** Placebo analgesia, endorphins, and naloxone [letter] Lancet 2(8104–5):1385, 23–30 Dec 78
*ANALGESIA/ ANESTHESIA, DENTAL/ DRUG ANTAGONISM/ *ENDORPHINS, physiology/ HUMAN/ *NALOXONE, pharmacodynamics/ *PAIN, POSTOPERATIVE, prevention & control/ *PLACEBOS, therapeutic use/ TOOTH EXTRACTION

1339. **Goldzieher JW, Chenault CB, de la Peña A, et al:** Comparative studies of the ethynyl estrogens used in oral contraceptives. VII. Effects with and without progestational agents on ultracentrifugally fractionated plasma lipoproteins in humans, baboons, and beagles. Fertil Steril 30(5):522–33, Nov 78
ANIMAL/ BLOOD PROTEINS, metabolism/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL/ *CONTRACEPTIVES, ORAL, SYNTHETIC/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTROGENS, SYNTHETIC, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *LIPOPROTEINS, blood/ LIPOPROTEINS, HDL, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ MEGESTROL, pharmacodynamics/ MESTRANOL, pharmacodynamics/ MONKEYS/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ PHOSPHOLIPIDS, blood/ *PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ TRIGLYCERIDES, blood/ ULTRACENTRIFUGATION

1340. **Goligorskiĭ MS, Fedorov AN:** Nefrokal'tsinoz pri khronicheskoĭ pochechnoĭ nedostatochnosti. Urol Nefrol (Mosk) (6):32–6, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CALCIUM, metabolism/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, metabolism/ KINETICS/ NEPHRECTOMY/ *NEPHROCALCINOSIS, etiology/ NEPHROCALCINOSIS, metabolism/ RABBITS/ RATS

1341. **Golikov AP, Babkov VK, Borisenko AP, et al:** Primenenie giperstata dlia kupirovaniia gipertonicheskikh krizov. Kardiologiia 18(11):96–102, Nov 78 (Eng. Abstr.) **(Rus)**
ADRENAL GLANDS, drug effects/ ADULT/ AGED/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DIAZOXIDE, therapeutic use/ DRUG EVALUATION/ *EMERGENCIES/ ENGLISH ABSTRACT/ FEMALE/ HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, drug therapy/ KALLIKREIN, blood/ KININS, blood/ MALE/ MIDDLE AGE/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ TIME FACTORS

1342. **Golofeevskiĭ VIu:** K voprosu ob uchastii endokrinnykh kletok slizistoĭ obolochki zhekudka i dvenadtsatiperstnoĭ kishki v reguliatsii zheludochnogo kislotoobrazovaniia. Ter Arkh 50(10):13–7, 1978 (Eng. Abstr.) **(Rus)**
CELL COUNT/ COMPARATIVE STUDY/ DUODENAL ULCER, pathology/ *DUODENUM, cytology/ *ENDOCRINE GLANDS, cytology/ ENGLISH ABSTRACT/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, cytology/ GASTROINTESTINAL HORMONES, physiology/ HUMAN/ *INTESTINAL MUCOSA, cytology/ MALE/ STOMACH DISEASES, pathology

1343. **Golomb HM, Catovsky D, Golde DW:** Hairy cell leukemia: a clinical review based on 71 cases. Ann Intern Med 89(5 Pt 1):677–83, Nov 78
ADULT/ AGED/ AGRANULOCYTOSIS, etiology/ FEMALE/ HUMAN/ LEUKEMIA, HAIRY CELL, complications/ *LEUKEMIA, HAIRY CELL, diagnosis/ LEUKEMIA, HAIRY CELL, therapy/ MALE/ MIDDLE AGE/ PROGNOSIS/ SPLENECTOMY/ STEROIDS, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1344. **Goltzené F, Lagueux M, Charlet M, et al:** The follicle cell epithelium of maturing ovaries of Locusta migratoria: a new biosynthetic tissue for ecdysone.
Hoppe Seylers Z Physiol Chem 359(10):1427–34, Oct 78
ANIMAL/ *ECDYSONE, biosynthesis/ EPITHELIUM, metabolism/ FEMALE/ *GRAAFIAN FOLLICLE, metabolism/ *GRASSHOPPERS, metabolism/ KINETICS/ OOCYTES, physiology/ OVARY, physiology/ *SEX MATURATION

1345. **Gomez F, Friesen HG:** Principles of radioreceptor assay for prolactin. Clin Endocrinol (Oxf) 6 Suppl:1S–7S, 1977
ANIMAL/ FEMALE/ HUMAN/ MAMMAE, analysis/ PROLACTIN, isolation & purification/ *PROLACTIN, physiology/ RABBITS/ RADIOLIGAND ASSAY/ RATS/ RECEPTORS,

HORMONE, isolation & purification/ *RECEPTORS, HORMONE, physiology

1346. **Gomez GA, Stutzman L:** Cell cycle agents and cyclophosphamide in the treatment of diffuse histiocytic lymphoma. Eur J Cancer 14(10):1051–5, Oct 78
ADULT/ AGED/ CITROVORUM FACTOR, therapeutic use/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, therapeutic use/ *CYTARABINE, administration & dosage/ CYTARABINE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MALE/ *METHOTREXATE, administration & dosage/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ REMISSION/ *SARCOMA, RETICULUM CELL, drug therapy/ VINCRISTINE, administration & dosage/ VINCRISTINE, therapeutic use

1347. **Gomot L:** L'hermaphrodisme chez les mollusques gastéropodes. Probl Actuels Endocrinol Nutr (21):323–53, 1977 (50 ref.) **(Fre)**
ANIMAL/ CASTRATION/ FEMALE/ GONADS, cytology/ GONADS, radiation effects/ *HERMAPHRODITISM/ INVERTEBRATE HORMONES, physiology/ MALE/ *MOLLUSCA/ MOLLUSCA, analysis/ REVIEW/ SEX DIFFERENTIATION

1348. **Gondo S, Venkatasubramanian K, Vieth WR, et al:** Modeling the role of cyclic AMP in catabolite repression of inducible enzyme biosynthesis in microbial cells. Biotechnol Bioeng 20(11):1797–815, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *BACTERIA, enzymology/ DNA, BACTERIAL, metabolism/ *ENZYME REPRESSION/ *ENZYMES, biosynthesis/ GLUCOSE, pharmacodynamics/ KINETICS/ MATHEMATICS/ MODELS, BIOLOGICAL/ MODELS, CHEMICAL/ RNA, BACTERIAL, biosynthesis/ RNA, MESSENGER, biosynthesis/ STREPTOMYCES, enzymology

1349. **Gong H Jr, Tierney DF:** Adult respiratory distress syndrome. Compr Ther 4(9):6–14, Sep 78
ADRENAL CORTEX HORMONES, therapeutic use/ CATHETERIZATION/ FLUID THERAPY/ HEPARIN, therapeutic use/ HUMAN/ INTUBATION, INTRATRACHEAL/ MIDDLE AGE/ OXYGEN INHALATION THERAPY/ POSITIVE PRESSURE RESPIRATION/ PULMONARY ARTERY/ RESPIRATION, ARTIFICIAL/ RESPIRATORY DISTRESS SYNDROME, ADULT, diagnosis/ RESPIRATORY DISTRESS SYNDROME, ADULT, etiology/ *RESPIRATORY DISTRESS SYNDROME, ADULT, therapy

1350. **Gonvers JJ, Fontolliet C, Boumghar M, et al:** Tumeurs hépatiques et anticonceptionnels oraux
Schweiz Med Wochenschr 108(48):1899–901, 2 Dec 78 (Eng. Abstr.) **(Fre)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ *LIVER DISEASES, chemically induced/ MESTRANOL, adverse effects

1351. **Gonzáles-Vegas JA, Fuenmayor D:** Effects of thyroid state on brain stem responses to iontophoretic noradrenaline. Experientia 34(11):1527–8, 15 Nov 78
ANIMAL/ *BRAIN STEM, drug effects/ BRAIN STEM, physiopathology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, physiopathology/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ RATS

1352. **Gonzalez A, Lopez R, Figueroa I, et al:** Glycerol in experimental lung contusion. Surg Forum 28:176–7, 1977
ANIMAL/ *CONTUSIONS, drug therapy/ DOGS/ GLYCERIN, administration & dosage/ *GLYCERIN, therapeutic use/ INFUSIONS, PARENTERAL/ *LUNG, injuries/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use

1353. **Goodkin F:** Hypothalamic implications of crib death [letter] Lancet 2(8097):997, 4 Nov 78
HUMAN/ *HYPOTHALAMUS, physiopathology/ INFANT/ *REFLEX, ABNORMAL, complications/ *SUDDEN INFANT DEATH, etiology

1354. **Goodrich C, Choy M:** Body temperature and 5-hydroxytryptamine during early postnatal maturation in mice. Dev Psychobiol 11(6):531–40, Nov 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ *ANIMALS, NEWBORN, growth & development/ *BODY TEMPERATURE/ BODY TEMPERATURE, drug effects/ BRAIN, metabolism/ HYDRAZINES, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ MICE/ SEROTONIN, administration & dosage/ SEROTONIN, metabolism/ *SEROTONIN, physiology

1355. **Gorbacheva LN:** Obmen triptofana po kinureninovomu i serotoninovomu putiam pri nefropatii beremennykh. Akush Ginekol (Mosk) (11):16–20, Nov 78 (Eng. Abstr.) **(Rus)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *KIDNEY DISEASES, urine/ *KYNURENINE, urine/ *PREGNANCY COMPLICATIONS, urine/ PREGNANCY TOXEMIAS, urine/ PREGNANCY/ PUERPERIUM/ *SEROTONIN, urine/ *TRYPTOPHAN, urine

1356. **Gordeladze JO, Halse J, Djøseland O, et al:** A simple procedure for the determination of hydroxyproline in urine and bone. Biochem Med 20(1):23–30, Aug 78
ACROMEGALY, urine/ ADULT/ ANIMAL/ *BONE AND BONES, analysis/ COLORIMETRY/ COMPARATIVE STUDY/ FEMALE/ FEMUR, analysis/ HUMAN/ *HYDROXYPROLINE, analysis/ HYDROXYPROLINE, urine/ HYPOPHYSECTOMY/ MALE/ METHODS/ MIDDLE AGE/ RATS

1357. **Gordin A, Eriksson L, Blom AK, et al:** Lack of behavioural effects following intraventricular infusion of somatostatin in the conscious goat. Pharmacol Biochem Behav 9(2):255–7, Aug 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ BLOOD SUGAR, metabolism/ FEMALE/ GOATS/ INJECTIONS, INTRAVENOUS/ INJECTIONS, INTRAVENTRICULAR/ INSULIN, metabolism/ MALE/ SOMATOTROPIN RELEASE INHIBITING HORMONE, administration & dosage/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN, blood

1358. **Gordon DB:** Renin lowers blood-pressure. Lancet 2(8097):970–2, 4 Nov 78
ANGIOTENSIN II, antagonists & inhibitors/ ANGIOTENSIN II, physiology/ ANIMAL/ ANTIHYPERTENSIVE AGENTS/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ HUMAN/ HYPERTENSION, etiology/ *HYPERTENSION, prevention & control/ KALLIKREIN, physiology/ KIDNEY, secretion/ MICE/ RATS/ RENIN, blood/ RENIN, deficiency/ *RENIN, physiology/ SARALASIN, physiology/ SQ 20881, pharmacodynamics/ VASODILATOR AGENTS

1359. **Gordon JL, Olverman HJ, Drummond AH:** Interaction of platelets with biogenic amines. pp. 361–72.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (21 ref.)
ANIMAL/ *BIOGENIC AMINES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ *BLOOD PLATELETS, metabolism/ CELL MEMBRANE, metabolism/ DOPAMINE, pharmacodynamics/ HUMAN/ MONOGRAPH/ RATS/ RECEPTORS, SEROTONIN, metabolism/ REVIEW/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics

1360. **Gordon R, Murphy C, Someren A:** Suprarenal mass: renal or adrenal? J Med Assoc Ga 67(10):818–20, Oct 78
*ADENOCARCINOMA, radiography/ *ADRENAL GLAND NEOPLASMS, radiography/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *KIDNEY NEOPLASMS, radiography/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ TOMOGRAPHY, COMPUTERIZED AXIAL

1361. **Gorelick DA, Catlin DH, George R, et al:** Beta-endorphin is behaviorally active in rats after chronic intravenous administration. Pharmacol Biochem Behav 9(3):385–6, Sep 78

ANIMAL/ AVOIDANCE LEARNING, drug effects/ BEHAVIOR, ANIMAL, drug effects/ *CONDITIONING, OPERANT, drug effects/ *ENDORPHINS, pharmacodynamics/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1362. **Gorray KC, Quay WB:** Effects of pinealectomy and of sham-pinealectomy on blood glucose levels in the alloxan-diabetic rat. Horm Metab Res 10(5):389-92, Sep 78
ALLOXAN/ ANIMAL/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ CIRCADIAN RHYTHM/ *DIABETES MELLITUS, EXPERIMENTAL, blood/ DIABETES MELLITUS, EXPERIMENTAL, physiopathology/ MALE/ *PINEAL BODY, physiopathology/ PINEAL BODY, surgery/ POSTOPERATIVE COMPLICATIONS, blood/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1363. **Gosden AF:** An automated procedure for the estimation of thiocyanate in forage kale. J Sci Food Agric 29(7):597-600, Jul 78
*ANIMAL FEED, analysis/ *BRASSICA, analysis/ COLORIMETRY, methods/ *THIOCYANATES, analysis

1364. **Gosden RG:** Significance of prolactin in spontaneously persistent oestrous rats. J Endocrinol 78(3):451-2, Sep 78
AGING/ ANIMAL/ COMPARATIVE STUDY/ *ESTRUS/ FEMALE/ OVARY, drug effects/ *PROLACTIN, physiology/ RATS/ 2-BROMOERGOCRYPTINE, pharmacodynamics

1365. **Gotelli GR, Wall JH, Kabra PM, et al:** Improved liquid chromatographic determination of placental estriol in urine. Clin Chem 24(12):2132-4, Dec 78
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ *ESTRIOL, urine/ FEMALE/ HUMAN/ MALE/ *PLACENTA, metabolism/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1366. **Gottesfeld Z, Jacobowitz DM:** Cholinergic projection of the diagonal band to the interpeduncular nucleus of the rat brain. Brain Res 156(2):329-32, 10 Nov 78
AMYGDALOID BODY, anatomy & histology/ ANIMAL/ BRAIN MAPPING/ CHOLINE ACETYLTRANSFERASE, metabolism/ *CHOLINERGIC FIBERS, anatomy & histology/ DENERVATION/ *LIMBIC SYSTEM, anatomy & histology/ MALE/ *MESENCEPHALON, anatomy & histology/ MESENCEPHALON, enzymology/ NEURAL PATHWAYS, anatomy & histology/ NEURAL PATHWAYS, enzymology/ RATS/ SEPTUM PELLUCIDUM, enzymology/ TEGMENTUM MESENCEPHALI, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology/ THALAMIC NUCLEI, enzymology

1367. **Gottesmann T, Moeschlin S:** Langzeiterfolge der immunsuppressiven Therapie bei der chronisch-aggressiven Hepatitis. Dtsch Med Wochenschr 103(50):1989-93, 15 Dec 78 (Eng. Abstr.) **(Ger)**
AGED/ AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HEPATITIS B ANTIGENS, analysis/ *HEPATITIS, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ TIME FACTORS

1368. **Gould MN, Clifton KH:** The survival of rat mammary gland cells following irradiation in vivo under different endocrinological conditions. Int J Radiat Oncol Biol Phys 4(7-8):629-32, Jul-Aug 78
ANIMAL/ CELL CYCLE, radiation effects/ CELL SURVIVAL, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ *ENDOCRINE GLANDS, physiology/ FEMALE/ MAMMAE, cytology/ *MAMMAE, radiation effects/ MAMMAE, transplantation/ MODELS, BIOLOGICAL/ NEOPLASMS, EXPERIMENTAL, physiopathology/ PITUITARY NEOPLASMS, physiopathology/ PROLACTIN, physiology/ RADIATION TOLERANCE/ RATS/ TRANSPLANTATION, HOMOLOGOUS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1369. **Goumy P, Dalens B, Malpuech G:** Association d'une dysraphie de la ligne médiane et d'une insuffisance antéhypophysaire congénitale avec micropénis et hypoglycémie néonatale. Pediatrie 33(6):551-9, Sep 78 (Eng. Abstr.) **(Fre)**
*ABNORMALITIES, MULTIPLE/ CASE REPORT/ *CLEFT LIP, complications/ *CLEFT PALATE, complications/ *DWARFISM, PITUITARY, complications/ ENGLISH ABSTRACT/ HUMAN/ *HYPOGLYCEMIA, congenital/ INFANT, NEWBORN/ MALE/ *PENIS, abnormalities/ PITUITARY GLAND, ANTERIOR

1370. **Grace HJ, Campbell GD:** XYY karyotype, female phenotype and gonadal dysgenesis. A case report. S Afr Med J 54(7):284-6, 12 Aug 78
ADOLESCENCE/ CASE REPORT/ DERMATOGLYPHICS/ FEMALE/ GONADS, growth & development/ HUMAN/ KARYOTYPING/ PEDIGREE/ PHENOTYPE/ SEX CHROMOSOMES/ *TURNER'S SYNDROME, physiopathology

1371. **Gradwell E:** Histological changes in the thyroid gland in rats on acclimatisation to simulated high altitude. J Pathol 125(1):33-7, May 78
*ACCLIMATIZATION/ *ALTITUDE/ ANIMAL/ BIOMETRY/ BODY WEIGHT/ EPITHELIUM, anatomy & histology/ FEMALE/ MALE/ ORGAN WEIGHT/ RATS/ *THYROID GLAND, anatomy & histology

1372. **Grady RR, Kitay JI, Spyker JM, et al:** Postnatal endocrine dysfunction induced by prenatal methylmercury or cadmium exposure in mice. J Environ Pathol Toxicol 1(3):187-97, Jan-Feb 78
ADRENAL GLANDS, metabolism/ ANIMAL/ BODY WEIGHT, drug effects/ *CADMIUM, toxicity/ CORTICOSTERONE, blood/ CORTICOSTERONE, metabolism/ *ENDOCRINE DISEASES, chemically induced/ ENDOCRINE DISEASES, congenital/ FEMALE/ LIVER, metabolism/ MALE/ MATERNAL-FETAL EXCHANGE/ *METHYL MERCURY COMPOUNDS, toxicity/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT, drug effects/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED

1373. **Graham AN:** Near-drowning in an infant: case report. NZ Med J 88(625):443-5, 13 Dec 78
CASE REPORT/ CEREBRAL ANOXIA, prevention & control/ CHILD, PRESCHOOL/ DEXAMETHASONE, administration & dosage/ *DROWNING, rehabilitation/ DRUG THERAPY, COMBINATION/ HUMAN/ IMMERSION/ INFUSIONS, PARENTERAL/ MALE/ MEPERIDINE, administration & dosage/ OXYGEN INHALATION THERAPY/ PHENOBARBITAL, administration & dosage/ *RESUSCITATION, methods/ THIOPENTAL, administration & dosage/ TIME FACTORS

1374. **Graham JR, Bana D, Yap A:** Headache, hypertension and renal disease. Res Clin Stud Headache 6:147-54, 1978
BLOOD PRESSURE/ GLOMERULONEPHRITIS, physiopathology/ HEADACHE, blood/ *HEADACHE, etiology/ HEADACHE, physiopathology/ *HEMODIALYSIS, adverse effects/ HUMAN/ *HYPERTENSION, complications/ JUXTAGLOMERULAR APPARATUS, physiopathology/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY, transplantation/ NEPHRECTOMY/ RENIN, blood

1375. **Graham SE, Thornton H, Atha J:** The effects of menstruation and Microgynon 30 on sway behaviour. Agressologie 19(B):55-6, 1978
ADOLESCENCE/ ADULT/ DRUG COMBINATIONS/ *EQUILIBRIUM, drug effects/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *MENSTRUATION/ *NORGESTREL, pharmacodynamics/ *POSTURE

1376. **Grahame-Smith DG, Green AR:** The effect of electroconvulsive shock on brain monoamine function in the rat. pp. 141-54.

In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
AMPHETAMINE, pharmacodynamics/ ANIMAL/ BEHAVIOR, ANIMAL, physiology/ BRAIN, metabolism/ *BRAIN, physiology/ DIMETHYLTRYPTAMINE, pharmacodynamics/ *DOPAMINE, physiology/ *ELECTROSHOCK/ FLUROTHYL, pharmacodynamics/

HYDROXYINDOLEACETIC ACID, metabolism/ LEVODOPA, pharmacodynamics/ MONOGRAPH/ MOTOR ACTIVITY/ *NOREPINEPHRINE, physiology/ PENTOBARBITAL, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ SYNAPTIC RECEPTORS, physiology/ TRANYLCYPROMINE, pharmacodynamics/ TRYPTOPHAN, metabolism/ TRYPTOPHAN, pharmacodynamics

1377. **Granot J, Rosenheck K:** On the role of ATP and divalent metal ions in the storage of catecholamines. H NMR studies of bovine adrenal chromaffin granules. FEBS Lett 95(1):45–8, 1 Nov 78
*ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL MEDULLA, metabolism/ ANIMAL/ *CATECHOLAMINES, metabolism/ *CATIONS, DIVALENT, metabolism/ CATTLE/ CHELATING AGENTS/ *CHROMAFFIN GRANULES, metabolism/ *CHROMAFFIN SYSTEM, metabolism/ COBALT, metabolism/ NUCLEAR MAGNETIC RESONANCE

1378. **Granström E, Samuelsson B:** Quantitative measurement of prostaglandins and thromboxanes: general considerations. Adv Prostaglandin Thromboxane Res 5:1–13, 1978
ANIMAL/ BODY FLUIDS, analysis/ CELLS, analysis/ HALF-LIFE/ HUMAN/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, blood/ PROSTAGLANDINS, urine/ *THROMBOXANES, analysis

1379. **Granström E, Kindahl H:** Radioimmunoassay of prostaglandins and thromboxanes. Adv Prostaglandin Thromboxane Res 5:119–210, 1978
ANIMAL/ ANTIBODIES, analysis/ ANTIBODY FORMATION/ BINDING SITES/ BLOOD SPECIMEN COLLECTION, veterinary/ EMULSIONS/ HUMAN/ IMMUNIZATION/ LIGANDS/ MATHEMATICS/ METHODS/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, immunology/ RADIOIMMUNOASSAY, instrumentation/ RADIOIMMUNOASSAY, methods/ REFERENCE STANDARDS/ SPECIES SPECIFICITY/ *THROMBOXANES, analysis/ THROMBOXANES, immunology

1380. **Grant AM, Edwards OM, Howard AN, et al:** Thyroidal hormone metabolism in obesity during semi-starvation. Clin Endocrinol (Oxf) 9(3):227–31, Sep 78
ADULT/ BASAL METABOLISM/ *DIET, REDUCING/ FEMALE/ HALF-LIFE/ HUMAN/ MIDDLE AGE/ *OBESITY, blood/ OBESITY, diet therapy/ THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

1381. **Grant JA:** Bronchial asthma. Tex Med 74(12):37–44, Dec 78
ADRENAL CORTEX HORMONES, therapeutic use/ *ASTHMA/ ASTHMA, diagnosis/ ASTHMA, therapy/ BRONCHODILATOR AGENTS, therapeutic use/ HUMAN/ IMMUNOTHERAPY/ PARASYMPATHOLYTICS, therapeutic use/ SYMPATHOMIMETICS, therapeutic use

1382. **Graves DJ, Uhing RJ, Janski AM, et al:** Use of a double-headed peptide substrate to study the specificity of cAMP-dependent protein kinase and posphorylase kinase. J Biol Chem 253(22):8010–2, 25 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CATTLE/ ENZYME ACTIVATION/ KINETICS/ MOLECULAR CONFORMATION/ MOLECULAR MODELS/ MUSCLES, enzymology/ *OLIGOPEPTIDES, chemical synthesis/ *PHOSPHORYLASE KINASE, metabolism/ *PROTEIN KINASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1383. **Gray DH, Katz JM, Speak K:** The effects of varying oxygen tensions upon bone resorption in vitro. J Bone Joint Surg [Br] 60-B(4):575–8, Nov 78
ANIMAL/ BONE AND BONES, cytology/ BONE AND BONES, metabolism/ *BONE RESORPTION, drug effects/ CALCIUM CHLORIDE, metabolism/ MICE/ *OXYGEN, pharmacodynamics/ TISSUE CULTURE

1384. **Gray P:** Correlation between estrus and reduced light avoidance in mice. Horm Behav 10(3):277–84, Jun 78
ANIMAL/ ENVIRONMENT, CONTROLLED/ *ESCAPE REACTION/ *ESTRUS/ FEMALE/ *LIGHT/ RATS

1385. **Greaves MW, Hensby CN, Black AK, et al:** Inflammatory reactions induced by ultraviolet irradiation. Bull Cancer (Paris) 65(3):299–303, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ARACHIDONIC ACIDS, biosynthesis/ CELL DIFFERENTIATION/ ERYTHEMA, etiology/ ERYTHEMA, metabolism/ HUMAN/ INDOMETHACIN, pharmacodynamics/ *INFLAMMATION, etiology/ METHOXSALEN, pharmacodynamics/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ PROSTAGLANDINS, physiology/ SKIN, drug effects/ *SKIN, radiation effects/ *ULTRAVIOLET RAYS, adverse effects

1386. **Greeley GH Jr, Mahesh VB:** Triiodothyronine (T3) modulation of gonadotropin secretion in the female rat. Endocr Res Commun 5(2):135–59, 1978
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *FSH, blood/ KINETICS/ *LH, blood/ LH-FSH RELEASING HORMONE, pharmacodynamics/ PARATHYROID GLANDS, physiology/ PROESTRUS, drug effects/ PROGESTERONE, pharmacodynamics/ RATS/ THYROIDECTOMY/ *TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1387. **Green AR:** The effects of dietary tryptophan and its peripheral metabolism on brain-5-hydroxytryptamine synthesis and function. Essays Neurochem Neuropharmacol 3:103–27, 1978 (136 ref.)
ANIMAL/ BLOOD PROTEINS, metabolism/ *BRAIN, metabolism/ DIET/ HUMAN/ INSULIN, physiology/ LIVER DISEASES, metabolism/ LIVER, enzymology/ PROTEIN BINDING/ REVIEW/ *SEROTONIN, biosynthesis/ SEROTONIN, physiology/ TRYPTOPHAN OXYGENASE, metabolism/ TRYPTOPHAN, blood/ *TRYPTOPHAN, metabolism

1388. **Green D, Howells GR, Thorne MC:** Plutonium-239 deposition in the skeleton of the mouse. Int J Radiat Biol 34(1):27–36, Jul 78
ANIMAL/ AUTORADIOGRAPHY/ *BONE AND BONES, metabolism/ COMPUTERS/ FEMALE/ FEMUR, metabolism/ ILIUM, metabolism/ LUMBAR VERTEBRAE, metabolism/ MICE/ MICE, INBRED CBA/ MODELS, BIOLOGICAL/ *PLUTONIUM, metabolism

1389. **Green IC, Howell SL, El Seifi S, et al:** Binding of 3H-progesterone by isolated rat islets of Langerhans. Diabetologia 15(4):349–55, Oct 78
ANIMAL/ BINDING, COMPETITIVE/ IN VITRO/ *ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, ultrastructure/ KINETICS/ *PROGESTERONE, metabolism/ RATS/ *RECEPTORS, PROGESTERONE, metabolism/ SUBCELLULAR FRACTIONS, metabolism

1390. **Green JP, Weinstein H, Maayani S:** Defining the histamine H2-receptor in brain: the interaction with LSD. Natl Inst Drug Abuse Res Monogr Ser (22):38–59, 1978 (76 ref.)
ADENYL CYCLASE, metabolism/ ANIMAL/ BEHAVIOR, drug effects/ *BRAIN, drug effects/ BRAIN, enzymology/ CYPROHEPTADINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ HISTAMINE H2 RECEPTOR BLOCKADERS, pharmacodynamics/ HUMAN/ IN VITRO/ *LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, HISTAMINE H1, drug effects/ *RECEPTORS, HISTAMINE H2, drug effects/ *RECEPTORS, HISTAMINE, drug effects/ RECEPTORS, SEROTONIN, drug effects/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 2-BROMOLYSERGIC ACID DIETHYLAMIDE, pharmacodynamics

1391. **Gréen K, Hamberg M, Samuelsson B, et al:** Measurement of prostaglandins, thromboxanes, prostacyclin and their metabolites by gas liquid chromatography---mass

spectrometry. Adv Prostaglandin Thromboxane Res 5:39–94, 1978
ACETYLATION/ ANIMAL/ ARACHIDONIC ACIDS, blood/ ARACHIDONIC ACIDS, chemical synthesis/ BLOOD PLATELETS, metabolism/ CHROMATOGRAPHY, GAS/ DEUTERIUM, diagnostic use/ DIAZOMETHANE/ HUMAN/ ISOTOPE LABELING/ METHODS/ METHYLATION/ *PROSTAGLANDINS X, analysis/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, chemical synthesis/ PROSTANOIC ACIDS, chemical synthesis/ SPECTRUM ANALYSIS, MASS/ *THROMBOXANES, analysis/ THROMBOXANES, chemical synthesis/ TRIMETHYLSILYL COMPOUNDS, chemical synthesis/ TRITIUM, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1392. **Gréen K, Hamberg M, Samuelsson B, et al:** Extraction and chromatographic procedures for purification of prostaglandins, thromboxanes, prostacyclin, and their metabolites. Adv Prostaglandin Thromboxane Res 5:15–38, 1978
CHROMATOGRAPHY, GEL, methods/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CHROMATOGRAPHY, THIN LAYER/ HUMAN/ ION EXCHANGE RESINS/ METHODS/ *PROSTAGLANDINS X, isolation & purification/ *PROSTAGLANDINS, isolation & purification/ SILICIC ACID/ SOLVENTS/ *THROMBOXANES, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1393. **Greene SA, Symes E, Brook CG:** 5-alpha-Reductase deficiency causing male pseudohermaphroditism. Arch Dis Child 53(9):751–3, Sep 78
CASE REPORT/ CHILD, PRESCHOOL/ HUMAN/ MALE/ *OXIDOREDUCTASES, deficiency/ PSEUDOHERMAPHRODITISM, enzymology/ *PSEUDOHERMAPHRODITISM, etiology/ STANOLONE, biosynthesis/ *TESTOSTERONE 5-ALPHA-REDUCTASE, deficiency

1394. **Greene WA, Foote RH:** Release rate of testosterone and estrogens from polydimethylsiloxane implants for extended periods in vivo compared with loss in vitro. Int J Fertil 23(2):128–32, 1978
ANIMAL/ CATTLE/ COMPARATIVE STUDY/ DELAYED-ACTION PREPARATIONS/ DIMETHYLPOLYSILOXANES/ DRUG IMPLANTS/ ESTRADIOL, administration & dosage/ *ESTRADIOL, metabolism/ ESTRONE, administration & dosage/ *ESTRONE, metabolism/ MALE/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism

1395. **Greentree LB:** Dangers of vitamin B6 in nursing mothers [letter] N Engl J Med 300(3):141–2, 18 Jan 79
*BREAST FEEDING/ FEMALE/ HUMAN/ *LACTATION, drug effects/ *PYRIDOXINE, adverse effects

1396. **Greenwald GS:** Ovulatory response of hypophysectomized hamsters to deferred injection of LH. J Reprod Fertil 54(2):323–4, Nov 78
ANIMAL/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, physiology/ HAMSTERS/ HYPOPHYSECTOMY/ *LH, pharmacodynamics/ MESOCRICETUS/ *OVULATION, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1397. **Greenway FL, Swerdloff RS:** The effect of aspirin (prostaglandin synthetase inhibitor) on ovulation. Fertil Steril 30(3):364–5, Sep 78
*ASPIRIN, pharmacodynamics/ FEMALE/ HUMAN/ LH, blood/ *OVULATION, drug effects/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors

1398. **Greep RO:** The genesis of research on the progestins. Ann NY Acad Sci 286:1–9, 11 Mar 77 (60 ref.)
ANIMAL/ CORPUS LUTEUM, physiology/ FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 16TH CENT./ HISTORY OF MEDICINE, 17TH CENT./ HISTORY OF MEDICINE, 18TH CENT./ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ MENSTRUATION/ OVULATION/ PREGNANCY/ *PROGESTATIONAL HORMONES, history/ PROGESTATIONAL HORMONES, isolation & purification/ PROGESTATIONAL HORMONES, physiology/ REVIEW

1399. **Greger R, Lang F, Oberleithner H, et al:** Outflux of 45calcium along the rat nephron. Adv Exp Med Biol 103:125–8, 1978 (19 ref.)
ANIMAL/ CALCIUM RADIOISOTOPES, diagnostic use/ *CALCIUM, metabolism/ CALCIUM, urine/ KIDNEY TUBULES, metabolism/ *NEPHRONS, metabolism/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ RATS/ REVIEW/ THYROIDECTOMY

1400. **Gregoraszczuk E, Stokłosowa S:** Growth pattern of the cultured porcine corpus luteum cells. Bull Acad Pol Sci [Biol] 26(8):567–9, Nov 78
ANIMAL/ CELLS, CULTURED/ *CORPUS LUTEUM, cytology/ CULTURE MEDIA/ FEMALE/ *LUTEIN CELLS, cytology/ MENSTRUATION, LUTEAL PHASE/ *SWINE, physiology

1401. **Greiner JV, Chylack LT Jr:** Posterior subcapsular cataracts: histopathologic study of steroid-associated cataracts. Arch Ophthalmol 97(1):135–44, Jan 79
*ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ CATARACT, chemically induced/ *CATARACT, pathology/ CELL MEMBRANE, pathology/ HUMAN/ *LENS, CRYSTALLINE, pathology/ LENS, CRYSTALLINE, ultrastructure/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, pathology

1402. **Greiner JW, Kramer RE, Colby HD:** Interaction of metyrapone with adrenal microsomal cytochrome P450 in the guinea pig. Biochem Pharmacol 27(17):2147–51, 1978
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, enzymology/ ANIMAL/ *CYTOCHROME P-450, metabolism/ ETHYLMORPHINE-N-DEMETHYLASE, metabolism/ HYDROXYLASES, metabolism/ MALE/ *METYRAPONE, pharmacodynamics/ MICROSOMES, drug effects/ *MICROSOMES, enzymology/ MITOCHONDRIA, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1403. **Grejs J:** Vergleichende Prüfung von Diflucortolon-21-valerat Creme und Hydrocortison-17-butyrat Creme bei Hautkranken. Ther Ggw 117(12):1930–7, Dec 78 **(Ger)**
COMPARATIVE STUDY/ FEMALE/ FLUOCORTOLONE, analogs & derivatives/ FLUOCORTOLONE, administration & dosage/ *FLUOCORTOLONE, therapeutic use/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ OINTMENTS/ *PREGNADIENEDIOLS, therapeutic use/ *SKIN DISEASES, drug therapy

1404. **Grennert L, Persson PH:** Effects of extensive population screening on the outcome of twin pregnancies. Prog Clin Biol Res 24 Pt C:109–11, 1978
BIRTH WEIGHT/ FEMALE/ FETAL DEATH, prevention & control/ GENETICS/ HUMAN/ INFANT MORTALITY/ INFANT, PREMATURE/ INFANT, SMALL FOR GESTATIONAL AGE/ *MASS SCREENING/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ *PREGNANCY, MULTIPLE/ PRENATAL CARE/ *PRENATAL DIAGNOSIS/ REST/ *TWINS/ ULTRASONICS, diagnostic use

1405. **Gresik E, Michelakis A, Barka T, et al:** Immunocytochemical localization of renin in the submandibular gland of the mouse. J Histochem Cytochem 26(10):855–61, Oct 78
ANIMAL/ CYTOPLASMIC GRANULES, enzymology/ ENDOPLASMIC RETICULUM, enzymology/ FEMALE/ GOLGI APPARATUS, enzymology/ IMMUNOENZYME TECHNICS/ MALE/ MICE/ *RENIN, analysis/ *SUBMANDIBULAR GLAND, enzymology/ SUBMANDIBULAR GLAND, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1406. **Grieninger G, Hertzberg KM, Pindyck J:** Fibrinogen synthesis in serum-free hepatocyte cultures: stimulation by glucocorticoids. Proc Natl Acad Sci USA 75(11):5506–10,

Nov 78
BLOOD PROTEINS, biosynthesis/ CELLS, CULTURED/ CHICK EMBRYO/ DEXAMETHASONE, pharmacodynamics/ *FIBRINOGEN, biosynthesis/ *GLUCOCORTICOIDS, pharmacodynamics/ HEPARIN, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IMMUNOELECTROPHORESIS, TWO-DIMENSIONAL/ LIVER, drug effects/ *LIVER, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1407. **Griffin JE, Wilson JD:** Hereditary male pseudohermaphroditism. Clin Obstet Gynaecol 5(2):457–79, Aug 78 (53 ref.)
CHOLESTEROL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ GONADOTROPINS, physiology/ HUMAN/ MULLERIAN DUCTS, embryology/ OXIDOREDUCTASES, deficiency/ PSEUDOHERMAPHRODITISM, diagnosis/ PSEUDOHERMAPHRODITISM, etiology/ *PSEUDOHERMAPHRODITISM, familial & genetic/ RECEPTORS, HORMONE, physiology/ REVIEW/ SEX DIFFERENTIATION/ STANOLONE, metabolism/ STANOLONE, physiology/ TESTICULAR FEMINIZATION, metabolism/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1408. **Griffith OR, Marshall I, Nasmyth PA:** Blockade of pre-synaptic alpha-adrenoceptors by metiamide [proceedings] Br J Pharmacol 64(3):416P, Nov 78
*ADRENERGIC ALPHA RECEPTOR BLOCKADERS/ ANIMAL/ IN VITRO/ MALE/ *METIAMIDE, pharmacodynamics/ MICE/ *SYNAPSES, drug effects/ *THIOUREA, analogs & derivatives

1409. **Grigorescu R, Mihu V:** Corticoterapia generală în uveitele endogene. Rev Chir [Oftalmol] 22(3):225–7, Jul–Sep 78 (Eng. Abstr.) **(Rum)**
*ADRENAL CORTEX HORMONES, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ *UVEITIS, drug therapy

1410. **Grigor'ian GA:** Issledovanie mekhanizmov, obuslovlivaiushchikh povtornoe nazhatie na pedal' pri samostimuliatsii mozga. Zh Vyssh Nerv Deiat 28(5):1012–9, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ ELECTRIC STIMULATION, methods/ ENGLISH ABSTRACT/ FOOD DEPRIVATION, physiology/ *HYPOTHALAMUS, physiology/ MALE/ MOTIVATION, physiology/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ SATIATION, physiology/ *SELF STIMULATION, physiology/ TIME FACTORS

1411. **Grim CE:** Renovascular hypertension: how to make the diagnosis in your office. Hypertension X. J Indiana State Med Assoc 71(12):1133–5, Dec 78
AUSCULTATION/ HUMAN/ *HYPERTENSION, RENAL, diagnosis/ *HYPERTENSION, RENOVASCULAR, diagnosis/ HYPERTENSION, RENOVASCULAR, surgery/ RENAL ARTERY STENOSIS, diagnosis/ RENIN, blood/ UROGRAPHY

1412. **Grimelius L, Akerström G, Johansson H, et al:** Estimation of parenchymal cell content of human parathyroid glands using the image analyzing computer technique. Am J Pathol 93(3):793–800, Dec 78
ADULT/ *CELL COUNT, methods/ *COMPUTERS/ EVALUATION STUDIES/ HUMAN/ MATHEMATICS/ ORGAN WEIGHT/ *PARATHYROID GLANDS, cytology

1413. **Grimm DJ, Dawson CA, Hakim TS, et al:** Pulmonary vasomotion and the distribution of vascular resistance in a dog lung lobe. J Appl Physiol 45(4):545–50, Oct 78
ANIMAL/ ANOXIA/ BLOOD PRESSURE/ DOGS/ ELECTRIC STIMULATION/ HISTAMINE, pharmacodynamics/ *LUNG, blood supply/ NOREPINEPHRINE, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ PULMONARY ARTERY/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASCULAR RESISTANCE/ VASCULAR RESISTANCE, drug effects/ *VASOMOTOR SYSTEM, physiology

1414. **Grimm-Jørgensen Y:** Immunoreactive thyrotropin-releasing factor in a gastropod: distribution in the central nervous system and hemolymph of Lymnaea stagnalis. Gen Comp Endocrinol 35(4):387–90, Aug 78
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ CENTRAL NERVOUS SYSTEM, metabolism/ GANGLIA, metabolism/ HEMOLYMPH, metabolism/ *LYMNAEA, metabolism/ *THYROTROPIN RELEASING HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE

1415. **Griscelli C:** Données récentes concernant les déficits immunitaires lymphocytaires congénitaux. Brux Med 58(10):511–23, Oct 78 **(Fre)**
ACHONDROPLASIA, immunology/ ADENOSINE DEAMINASE, deficiency/ AGAMMAGLOBULINEMIA, immunology/ B-LYMPHOCYTES, immunology/ CEREBELLAR ATAXIA, immunology/ DIGEORGE SYNDROME, immunology/ FEMALE/ HUMAN/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, congenital/ INFANT, NEWBORN/ *LYMPHOCYTES, immunology/ LYMPHOPENIA, immunology/ MALE/ MELANINS, metabolism/ NUCLEOSIDES, deficiency/ SEX FACTORS/ T-LYMPHOCYTES, immunology/ TELANGIECTASIS, immunology/ THROMBOPENIA, immunology/ TRANSCOBALAMINS, deficiency

1416. **Grokhovskiĭ LP, Tugolukov VN:** O funktsional'nom sostoianii neĭroendokrinnykh elementov zheludka u zdorovykh liudeĭ i bol'nykh piloroduodenal'noĭ iazvoĭ. Ter Arkh 50(10):17–20, 1978 (Eng. Abstr.) **(Rus)**
*CHROMAFFIN SYSTEM, secretion/ COMPARATIVE STUDY/ DUODENUM, pathology/ ENGLISH ABSTRACT/ *ENTEROCHROMAFFIN CELLS, secretion/ GASTRIC JUICE, analysis/ *GASTRIC MUCOSA, cytology/ GASTRIC MUCOSA, pathology/ HISTAMINE, analysis/ HUMAN/ INTESTINAL MUCOSA, pathology/ NEUROHUMORS, analysis/ *NEUROSECRETORY SYSTEMS, cytology/ PEPTIC ULCER, pathology

1417. **Gropp C, Havemann K:** Therapie maligner Hodentumoren. Z Urol Nephrol 71(9):617–22, Sep 78 (Eng. Abstr.) **(Ger)**
BLEOMYCIN, therapeutic use/ DOXORUBICIN, therapeutic use/ *DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ LYMPH NODES, surgery/ LYMPHATIC METASTASIS/ MALE/ NEOPLASM STAGING/ RETROPERITONEAL SPACE/ *TESTICULAR NEOPLASMS, therapy/ TESTIS, surgery/ VINBLASTINE, therapeutic use/ VINCRISTINE, therapeutic use

1418. **Gros C, Malfroy B, Swerts JP, et al:** Effects of cycloheximide and/or morphine on enkephalin levels in mouse striatum. Eur J Pharmacol 51(3):317–8, 1 Oct 78
ANIMAL/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ *CYCLOHEXIMIDE, pharmacodynamics/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ MICE/ *MORPHINE, pharmacodynamics

1419. **Grosser V, Sönnichsen N, Zabel R, et al:** Diagnostische und therapeutische Probleme der Dermatitis herpetiformis Duhring im Kindesalter. Dermatol Monatsschr 164(9):640–8, Sep 78 (Eng. Abstr.) **(Ger)**
CHILD, PRESCHOOL/ COSYNTROPIN, therapeutic use/ DAPSONE, therapeutic use/ *DERMATITIS HERPETIFORMIS, diagnosis/ DERMATITIS HERPETIFORMIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN

1420. **Groszmann RJ, Blei AT, Storer EH, et al:** Pharmacological vs. mechanical reduction in portal pressure: a comparative study. Surgery 84(5):679–85, Nov 78
ANIMAL/ CARDIAC OUTPUT, drug effects/ *CATHETERIZATION, instrumentation/ COMPARATIVE STUDY/ DOGS/ HEART RATE, drug effects/ *HEMODYNAMICS/ HEMODYNAMICS, drug effects/ MESENTERIC ARTERIES, physiopathology/ PORTAL VEIN, drug effects/ *PORTAL VEIN, physiopathology/ VASCULAR RESISTANCE, drug effects/ *VASOPRESSINS, pharmacodynamics/ *VENOUS PRESSURE/ VENOUS PRESSURE, drug effects

1421. **Grotjan HE Jr, Heindel JJ, Steinberger E:** Prostaglandin inhibition of testosterone production induced by luteinizing

hormone, dibutyryl cyclic AMP or 3-isobutyl-1-methyl xanthine in dispersed rat testicular interstitial cells. Steroids 32(3):307-22, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ *LH, antagonists & inhibitors/ MALE/ *PROSTAGLANDINS, pharmacodynamics/ RADIOIMMUNOASSAY/ RATS/ TESTIS, cytology/ TESTIS, drug effects/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ *THEOPHYLLINE, analogs & derivatives/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *1-METHYL-3-ISOBUTYLXANTHINE, antagonists & inhibitors

1422. **Grover PK, Odell WD:** Correlation of in vivo and in vitro activities of some naturally occurring androgens using a radioreceptor assay for 5alpha-dihydrotestosterone with rat prostate cytosol receptor protein. J Steroid Biochem 6(10):1373-9, Oct 75
*ANDROGENS, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ CASTRATION/ CYTOSOL, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ MALE/ *PROSTATE, metabolism/ RATS/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ *STANOLONE, analysis/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1423. **Grube KE, Gwazdauskas FC, Lineweaver JA, et al:** Steroidogenic capabilities of the early mouse embryo. Steroids 32(3):345-54, Oct 78
ANIMAL/ BLASTOCYST, metabolism/ *EMBRYO, metabolism/ *ESTRADIOL, biosynthesis/ FEMALE/ GESTATIONAL AGE/ MICE/ MICE, INBRED ICR/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PRENIDATION PHASE, ANIMAL/ *PROGESTERONE, biosynthesis/ RADIOIMMUNOASSAY

1424. **Grubenmann W, Binswanger U, Hunziker W, et al:** Effects of calcium intake and renal function on plasma immunoreactive parathyroid hormone levels in rats. Horm Metab Res 10(5):438-43, Sep 78
ANIMAL/ CALCIUM, blood/ *CALCIUM, DIETARY, metabolism/ INTESTINAL ABSORPTION/ *KIDNEY, physiology/ MALE/ NEPHRECTOMY/ *PARATHYROID HORMONE, blood/ RATS

1425. **Grünberger W, Leodolter S, Spona J:** Zur Diagnose der Eileiterschwangerschaft. Geburtshilfe Frauenheilkd 38(11):943-5, Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LH, diagnostic use/ PREGNANCY/ *PREGNANCY, TUBAL, diagnosis

1426. **Grunwald C:** Steryl glycoside biosynthesis. Lipids 13(10):697-703, Oct 78
*BARLEY, metabolism/ CHOLESTEROL, metabolism/ *GLYCOSIDES, biosynthesis/ *GRAIN, metabolism/ *STEROIDS, biosynthesis/ *TOBACCO, metabolism

1427. **Gruzelier JH, Hammond NV:** The effect of chlorpromazine upon psychophysiological, endocrine and information processing measures in schizophrenia. J Psychiatr Res 14(1-4):167-82, 1978
AROUSAL, drug effects/ *AUTONOMIC NERVOUS SYSTEM, drug effects/ *CHLORPROMAZINE, pharmacodynamics/ CHLORPROMAZINE, therapeutic use/ *COGNITION, drug effects/ CONDITIONING, CLASSICAL, drug effects/ DISCRIMINATION (PSYCHOLOGY), drug effects/ GALVANIC SKIN RESPONSE, drug effects/ HABITUATION (PSYCHOPHYSIOLOGY), drug effects/ HEART RATE, drug effects/ HUMAN/ HYDROCORTISONE, blood/ ORIENTATION, drug effects/ PITUITARY-ADRENAL SYSTEM, physiopathology/ PSYCHOPHYSIOLOGY/ *SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIA, physiopathology/ SKIN TEMPERATURE, drug effects

1428. **Gryglewski R:** Znaczenie kaskady kwasu arachidonowego dla kardiologii. Kardiol Pol 21(6):489-503, 1978 **(Pol)**
*ARACHIDONIC ACIDS, metabolism/ HUMAN/ MODELS, BIOLOGICAL/ *MYOCARDIAL INFARCTION, drug therapy/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ THROMBOSIS, drug therapy/ THROMBOXANE A2, physiology

1429. **Gryglewski RJ:** Screening for inhibitors of prostaglandin and thromboxane biosynthesis. Adv Lipid Res 16:327-44, 1978 (91 ref.)
ANILINO NAPHTHALENESULFONATES/ ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ CATTLE/ HUMAN/ KINETICS/ MALE/ PLATELET AGGREGATION/ *PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ *PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS, biosynthesis/ PROTEIN BINDING/ REVIEW/ SEMINAL VESICLES, enzymology/ SERUM ALBUMIN/ THROMBOXANE A2, physiology/ *THROMBOXANES, biosynthesis

1430. **Gryglewski RJ, Dembińska-Kièc A, Zmuda A, et al:** Prostacyclin and thromboxane A2 biosynthesis capacities of heart, arteries and platelets at various stages of experimental atherosclerosis in rabbits. Atherosclerosis 31(4):385-94, Dec 78
ANIMAL/ *AORTA, THORACIC, metabolism/ ARACHIDONIC ACIDS, administration & dosage/ *ARTERIOSCLEROSIS, blood/ *ATHEROSCLEROSIS, blood/ *BLOOD PLATELETS, metabolism/ DIET, ATHEROGENIC/ MALE/ *MESENTERIC ARTERIES, metabolism/ *MYOCARDIUM, metabolism/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ *THROMBOXANE A2, biosynthesis/ *THROMBOXANES, biosynthesis

1431. **Gschwendt M, Schneider W:** Estrogen-binding sites of chicken liver. Preliminary characterization of nuclear components. Eur J Biochem 91(1):139-49, 2 Nov 78
ANIMAL/ BINDING, COMPETITIVE/ *CELL NUCLEUS, metabolism/ CHICKENS/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ *LIVER, metabolism/ MALE/ MOLECULAR WEIGHT/ OVIPOSITION/ RECEPTORS, ESTROGEN, drug effects/ RECEPTORS, ESTROGEN, isolation & purification/ *RECEPTORS, ESTROGEN, metabolism

1432. **Gudmundsen TE:** Skjelettforandringer ved neurofibromatose. Tidsskr Nor Laegeforen 98(34-36):1758-60, 10 Dec 78 (Eng. Abstr.) **(Nor)**
*BONE AND BONES, radiography/ *BONE DISEASES, etiology/ BONE DISEASES, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *NEUROFIBROMATOSIS, complications/ NEUROFIBROMATOSIS, radiography

1433. **Guédon J, Aubert P, Lucsko M, et al:** Les bêta-bloquants dans l'hypertension avec insuffisance rénale. Nouv Presse Med 7(31):2795-7, 20 Sep 78 **(Fre)**
ACEBUTOLOL, therapeutic use/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ ATENOLOL, therapeutic use/ DIURETICS, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HEMODIALYSIS/ HUMAN/ *HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, physiopathology/ *KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY FAILURE, CHRONIC, therapy/ PROPRANOLOL, therapeutic use/ RENIN, blood/ SODIUM, urine/ VASODILATOR AGENTS, therapeutic use

1434. **Guerrant JL:** Asthma in older patients. Va Med 105(11):775-8, Nov 78
ADULT/ AGE FACTORS/ AGED/ ASTHMA, complications/ *ASTHMA, diagnosis/ ASTHMA, therapy/ CHRONIC DISEASE/ EOSINOPHILS/ FEMALE/ HUMAN/ IMMUNOTHERAPY/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RESPIRATORY FUNCTION TESTS/ RESPIRATORY TRACT

DISEASES, complications/ SKIN TESTS

1435. **Guerriero V Jr, Florini JR:** Stimulation by glucocorticoids of myoblast growth at low cell densities. Cell Biol Int Rep 2(5):441–6, Sep 78
CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELL LINE/ CHEMISTRY/ COMPARATIVE STUDY/ CREATINE KINASE, metabolism/ *GLUCOCORTICOIDS, pharmacodynamics/ MUSCLES, cytology/ *MUSCLES, drug effects/ MUSCLES, enzymology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1436. **Guerry D 4th, Dusak BA, Schreiber AD, et al:** B lymphocyte expression of a recognition locus for human monocytes and macrophages. J Immunol 121(6):2446–52, Dec 78
*B-LYMPHOCYTES, immunology/ BINDING SITES/ BLOOD/ BURKITT'S LYMPHOMA, immunology/ CALCIUM, metabolism/ CELL LINE/ *CHROMOSOME MAPPING/ HUMAN/ INFECTIOUS MONONUCLEOSIS, immunology/ *MACROPHAGES, immunology/ MAGNESIUM, metabolism/ *MONOCYTES, immunology/ TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1437. **Guffanti A:** Alterazioni oculari in corso di malattie reumatiche. Minerva Med 69(46):3134–7, 30 Sep 78 **(Ita)**
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ARTHRITIS, JUVENILE RHEUMATOID, complications/ CATARACT, chemically induced/ CHILD/ CHILD, PRESCHOOL/ CORNEAL DISEASES, chemically induced/ CORNEAL DISEASES, etiology/ DRUG HYPERSENSITIVITY/ EYE DISEASES, chemically induced/ *EYE DISEASES, etiology/ GLAUCOMA, chemically induced/ HUMAN/ IRITIS, etiology/ KERATOCONJUNCTIVITIS, chemically induced/ PAPILLEDEMA, chemically induced/ RETINAL DISEASES, chemically induced/ *RHEUMATISM, complications/ RHEUMATISM, drug therapy/ SJOGREN'S SYNDROME, etiology

1438. **Gugler R:** Clinical pharmacokinetics of hypolipidaemic drugs. Clin Pharmacokinet 3(6):425–39, Nov–Dec 78 (97 ref.)
*ANTILIPEMIC AGENTS, metabolism/ CHOLESTYRAMINE, metabolism/ CLOFIBRATE, metabolism/ DEXTROTHYROXINE, metabolism/ DRUG INTERACTIONS/ HUMAN/ INTESTINAL ABSORPTION/ KINETICS/ NICOTINIC ACIDS, metabolism/ PROTEIN BINDING/ REVIEW/ SITOSTEROLS, metabolism/ TISSUE DISTRIBUTION

1439. **Guillemant S, Vitoux JF, Desgrez P, et al:** Dosage radio-immunologique de l'arginine-vaso-pressine plasmatique chez le cirrhotique. Quinze malades. Nouv Presse Med 7(34):3048–9, 7 Oct 78 **(Fre)**
AGED/ *ARGIPRESSIN, blood/ FEMALE/ HUMAN/ INAPPROPRIATE ADH SYNDROME, blood/ *LIVER CIRRHOSIS, ALCOHOLIC, blood/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ SODIUM, blood

1440. **Guillemin R:** Control of adenohypophysial functions by peptides of the central nervous system. Harvey Lect 71:71–131, 1978
ANIMAL/ ENDORPHINS, physiology/ ENKEPHALINS, physiology/ HUMAN/ LH-FSH RELEASING HORMONE, physiology/ *PEPTIDES, physiology/ *PITUITARY GLAND, ANTERIOR, physiology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ THYROTROPIN RELEASING HORMONE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1441. **Guillin MC, Bezeaud A, Menache D:** The mechanism of activation of human prothrombin by an activator isolated from Dispholidus typus venom. Biochim Biophys Acta 537(1):160–8, 20 Nov 78
ANIMAL/ ENZYME ACTIVATION/ HUMAN/ ISOFLUROPHATE, pharmacodynamics/ KINETICS/ MOLECULAR WEIGHT/ *PROTHROMBIN, metabolism/ THROMBIN, metabolism/ *THYROXINE BINDING PROTEIN

1442. **Guinet P:** Les aspects étiologiques de l'insuffisance thyroïdienne. Rev Prat 28(43):3251–4, 3257–8, 3263–4, 1 Oct 78 (Eng. Abstr.) **(Fre)**
ADULT/ BRAIN DISEASES, complications/ CHILD/ DIENCEPHALON/ ENGLISH ABSTRACT/ FEMALE/ GOITER, ENDEMIC, complications/ HUMAN/ HYPOTHYROIDISM, congenital/ *HYPOTHYROIDISM, etiology/ IODINE RADIOISOTOPES, adverse effects/ MALE/ PITUITARY DISEASES, complications/ THYROID ANTAGONISTS, adverse effects/ THYROID GLAND, abnormalities/ THYROIDECTOMY/ THYROIDITIS, complications/ THYROIDITIS, LYMPHOMATOUS, complications

1443. **Güldner FH:** Synapses of optic nerve afferents in the rat suprachiasmatic nucleus. I. Identification, qualitative description, development and distribution. Cell Tissue Res 194(1):17–35, 9 Nov 78
ANIMAL/ AXONS, ultrastructure/ HISTOCYTOCHEMISTRY/ HORSERADISH PEROXIDASE/ *HYPOTHALAMUS, ultrastructure/ MODELS, NEUROLOGICAL/ *NEURONS, AFFERENT, ultrastructure/ *OPTIC NERVE, ultrastructure/ ORGANOIDS, ultrastructure/ RATS/ SUPRAOPTIC NUCLEUS, growth & development/ *SUPRAOPTIC NUCLEUS, ultrastructure/ *SYNAPSES, ultrastructure

1444. **Güldner FH:** Synapses of optic nerve afferents in the rat suprachiasmatic nucleus. II. Structural variability as revealed by morphometric examination. Cell Tissue Res 194(1):37–54, 9 Nov 78
ANIMAL/ AXONS, ultrastructure/ DENDRITES, ultrastructure/ *HYPOTHALAMUS, anatomy & histology/ *NEURONS, AFFERENT, ultrastructure/ *OPTIC NERVE, anatomy & histology/ ORGANOIDS, ultrastructure/ RATS/ *SUPRAOPTIC NUCLEUS, anatomy & histology/ *SYNAPSES, ultrastructure

1445. **Gumpel JM:** Rheumatoid arthritis. Br Med J 2(6144):1068–70, 14 Oct 78
ADRENAL CORTEX HORMONES, therapeutic use/ *ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMALARIALS, therapeutic use/ *ARTHRITIS, RHEUMATOID, drug therapy/ ASPIRIN, therapeutic use/ ATTITUDE OF HEALTH PERSONNEL/ DRUG ADMINISTRATION SCHEDULE/ GOLD, therapeutic use/ HUMAN/ PENICILLAMINE, therapeutic use

1446. **Günther B:** Fisiopatología del dolor agudo. Rev Med Chil 106(9):734–41, Sep 78 **(Spa)**
AFFERENT PATHWAYS, physiology/ ANIMAL/ ENDORPHINS, physiology/ ENKEPHALINS, physiology/ EVOKED POTENTIALS/ HUMAN/ INFLAMMATION, physiopathology/ NEURAL PATHWAYS, physiology/ NEURONS, AFFERENT, physiology/ *NOCICEPTORS, physiology/ *PAIN, physiopathology/ RECEPTORS, NARCOTIC, pharmacodynamics

1447. **Gupta GS:** Temporal relations in phosphohydrolases of mouse testes. Indian J Biochem Biophys 15(1):82–3, Feb 78
ADENOSINE TRIPHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ *CIRCADIAN RHYTHM/ NUCLEOTIDASES, metabolism/ *PHOSPHATASES, metabolism/ *TESTIS, enzymology

1448. **Gupta RC, Bhatnagar HN, Gambhir MS, et al:** Betamethasone therapy in acute cerebrovascular accidents. J Assoc Physicians India 26(7):589–94, Jul 78
ACUTE DISEASE/ *BETAMETHASONE, therapeutic use/ *CEREBROVASCULAR DISORDERS, drug therapy/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ HUMAN/ PLACEBOS

1449. **Gupta T, Chatterjee A:** Pregnant mare's serum gonadotropin: V. Indomethacin or cortisone and the reversal of antifertility efficacy of pregnant mare's serum gonadotropin. Contraception 17(6):547–52, Jun 78
ANIMAL/ CORPUS LUTEUM, drug effects/ *CORTISONE, pharmacodynamics/ FEMALE/ *FERTILITY, drug effects/ FETUS, drug effects/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *INDOMETHACIN, pharmacodynamics/ PLACENTA, drug effects/ PREGNANCY/

PROGESTERONE, deficiency/ PROSTAGLANDINS, metabolism/ RATS

1450. **Guraya SS, Gill SK:** Histochemical changes of the rat testis and epididymis after treatment of alpha-chlorohydrin-effects of a single low dose. Andrologia 10(4):278-84, Jul-Aug 78
*ALPHA-CHLOROHYDRIN, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ CARBOHYDRATES, metabolism/ *CHLOROHYDRINS, pharmacodynamics/ EPIDIDYMIS, drug effects/ EPIDIDYMIS, enzymology/ *EPIDIDYMIS, metabolism/ HISTOCYTOCHEMISTRY/ LIPIDS, metabolism/ MALE/ RATS/ TESTIS, drug effects/ TESTIS, enzymology/ *TESTIS, metabolism

1451. **Guraya SS, Varma SK:** Histochemistry of ovarian changes in the house lizard, Hemidactylus flaviviridis.
Acta Morphol Neerl Scand 16(3):199-223, Sep 78
ANIMAL/ CORPUS LUTEUM, cytology/ CORPUS LUTEUM, metabolism/ FEMALE/ GRAAFIAN FOLLICLE, cytology/ GRAAFIAN FOLLICLE, metabolism/ GRANULOSA CELLS, metabolism/ HISTOCYTOCHEMISTRY/ LIPIDS, metabolism/ *LIZARDS, metabolism/ OOCYTES, metabolism/ *OVARY, metabolism/ OVULATION

1452. **Gur'eva IG, Andrzheiuk NI, Smirnova NA:** Biokhimicheskoe obosnovanie primeneniia patogeneticheskoĭ terapii pri tuberkuleze legkikh. Probl Tuberk (11):27-30, Nov 78 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ *HISTAMINE H1 RECEPTOR BLOCKADERS, therapeutic use/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ *HYALURONIDASE, therapeutic use/ *HYDROCORTISONE, therapeutic use/ *PREDNISOLONE, therapeutic use/ *TUBERCULOSIS, PULMONARY, drug therapy/ TUBERCULOSIS, PULMONARY, metabolism

1453. **Gurpide E:** Metabolic influences on the action of estrogens: therapeutic implications. Pediatrics 62(6 Pt 2):1114-20, Dec 78
ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ *ESTROGENS, metabolism/ ESTROGENS, therapeutic use/ ESTRONE, metabolism/ FEMALE/ HUMAN/ MENSTRUATION/ RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 17-HYDROXYSTEROID DEHYDROGENASES, metabolism

1454. **Gurr JA, Elvehjem RS, Potter VR:** Diurnal variations in inducibility of rat liver tyrosine aminotransferase activity.
Life Sci 23(12):1301-8, 25 Sep 78
ANIMAL/ *CIRCADIAN RHYTHM/ DEXAMETHASONE, pharmacodynamics/ *DIURNAL RHYTHM/ ENZYME INDUCTION, drug effects/ FASTING/ GLUCAGON, administration & dosage/ GLUCAGON, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ *LIVER, enzymology/ MALE/ RATS/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1455. **Guthrie HD, Rexroad CE Jr, Bolt DJ:** In vitro synthesis of progesterone and prostaglandin F by luteal tissue and prostaglandin F by endometrial tissue from the pig.
Prostaglandins 16(3):433-40, Sep 78
ANIMAL/ *CORPUS LUTEUM, metabolism/ CULTURE MEDIA/ *ENDOMETRIUM, metabolism/ ESTRUS, drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, EQUINE, pharmacodynamics/ IN VITRO/ *PROGESTERONE, biosynthesis/ *PROSTAGLANDINS F, biosynthesis/ RADIOIMMUNOASSAY/ SWINE/ TIME FACTORS/ TISSUE CULTURE

1456. **Gutman A, Frumkin A, Adam A, et al:** X-linked dyskeratosis congenita with pancytopenia. Arch Dermatol 114(11):1667-71, Nov 78
ADOLESCENCE/ ADULT/ CASE REPORT/ COLOR PERCEPTION/ GLUCOSEPHOSPHATE DEHYDROGENASE/ HUMAN/ MALE/ NAIL DISEASES, familial & genetic/ *PANCYTOPENIA, complications/ PEDIGREE/ PIGMENTATION DISORDERS, familial & genetic/ *SEX CHROMOSOMES/ SKIN DISEASES, complications/ *SKIN DISEASES, familial & genetic/ SYNDROME/ THROMBOPENIA, complications/ *X CHROMOSOME

1457. **Güzelsu N:** A piezoelectric model for dry bone tissue.
J Biomech 11(5):257-67, 1978
*BONE AND BONES/ BONE AND BONES, analysis/ ELECTRICITY/ FEMUR, physiology/ FRACTURES, physiopathology/ HUMAN/ MATHEMATICS/ *MODELS, BIOLOGICAL/ STRESS, MECHANICAL/ WOUND HEALING

1458. **Gwee MC, Sim MK:** Free choline concentration and cephalin-N-methyltransferase activity in the maternal and foetal liver and placenta of pregnant rats.
Clin Exp Pharmacol Physiol 5(6):649-53, Nov-Dec 78
ANIMAL/ *CHOLINE, metabolism/ COMPARATIVE STUDY/ FEMALE/ *FETUS, metabolism/ GESTATIONAL AGE/ *LIVER, metabolism/ *METHYLTRANSFERASES, metabolism/ PHOSPHATIDYLETHANOLAMINES/ *PLACENTA, metabolism/ PREGNANCY/ RATS

1459. **Gyula K, György W:** Klinefelter-szindróma, mint apaságot kizáró ok. Morphol Igazsagugyi Orv Sz 18(4):288-90, Oct 78 (Eng. Abstr.) **(Hun)**
BIOPSY/ ENGLISH ABSTRACT/ HUMAN/ HUNGARY/ JURISPRUDENCE/ KARYOTYPING/ *KLINEFELTER'S SYNDROME, diagnosis/ MALE/ *PATERNITY/ STERILITY, MALE, diagnosis/ TESTIS, cytology

H

1460. **Haahtela T:** Comparisons among HC 20-211 (Ketotifen), clemastine, DSCG and beclomethasone dipropionate in nasal challenge. Ann Allergy 41(6):345-7, Dec 78
ADOLESCENCE/ ADULT/ *BECLOMETHASONE, therapeutic use/ *CLEMASTINE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DISODIUM CROMOGLYCATE, therapeutic use/ DOUBLE-BLIND METHOD/ FEMALE/ HAY FEVER, drug therapy/ HUMAN/ MALE/ PEAK EXPIRATORY FLOW RATE/ *PIPERIDINES, therapeutic use/ POLLEN/ *PYRROLIDINES, therapeutic use/ RESPIRATORY FUNCTION TESTS/ *THIOPHENES, therapeutic use

1461. **Haas HL, Wolf P, Palacios JM, et al:** Hypersensitivity to histamine in the guinea-pig brain: microiontophoretic and biochemical studies. Brain Res 156(2):275-91, 10 Nov 78
ACTION POTENTIALS, drug effects/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, enzymology/ DENERVATION/ DOPA DECARBOXYLASE, metabolism/ GUINEA PIGS/ GABA, pharmacodynamics/ *HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, enzymology/ HISTAMINE, metabolism/ *HISTAMINE, pharmacodynamics/ HISTIDINE DECARBOXYLASE, metabolism/ MALE/ MEDIAN FOREBRAIN BUNDLE, physiology/ NEURONS, drug effects/ NOREPINEPHRINE, pharmacodynamics/ *RECEPTORS, HISTAMINE, drug effects

1462. **Haber B, Suddith RL, Pacheco M, et al:** Model systems for the glial transport of biogenic amines and GABA: clonal cell lines and the filum terminale of the frog spinal cord. pp. 193-206.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.
ANIMAL/ *BIOGENIC AMINES, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CELL LINE/ DOPAMINE, metabolism/ FROGS/ *GABA, metabolism/ KINETICS/ MODELS, BIOLOGICAL/ MONOGRAPH/ *NEUROGLIA, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ *SPINAL CORD, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1463. **Haberland GL:** Gewebshormone der gesunden und der kranken Niere. Renin-Angiotensin-System, Kallikrein-Kinin-System, Prostaglandine. Med Welt 29(47):1844-50, 24 Nov 78 **(Ger)**
ANGIOTENSIN II, metabolism/ HUMAN/ KALLIKREIN, metabolism/ *KIDNEY DISEASES, metabolism/ *KIDNEY, metabolism/ KININS, metabolism/ PROSTAGLANDINS, metabolism/ RENIN, metabolism

1464. **Hackenberg K:** Diagnostik und Therapie bei Thyreoiditis.

Med Klin 73(43):1499–506, 27 Oct 78 (32 ref.) **(Ger)**
ANTIGENS, SURFACE, analysis/ ANTINUCLEAR FACTORS, analysis/ AUTOANTIBODIES, analysis/ CHROMOSOME ABERRATIONS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPOTHYROIDISM, etiology/ IMMUNOGLOBULINS, analysis/ MALE/ PROGNOSIS/ REVIEW/ SEX CHROMOSOMES/ THYROID NEOPLASMS, diagnosis/ THYROIDECTOMY/ THYROIDITIS, diagnosis/ *THYROIDITIS, therapy

1465. **Haga T:** [beta-Adrenergic receptor and adenylate cyclase (author's transl)] Tanpakushitsu Kakusan Koso 23(9):1032–41, Sep 78 (59 ref.) **(Jpn)**
ADENYL CYCLASE, analysis/ *ADENYL CYCLASE, isolation & purification/ ANIMAL/ BINDING SITES/ CELL FUSION/ GUANOSINE TRIPHOSPHATE, metabolism/ LIGANDS/ MICE/ RATS/ *RECEPTORS, ADRENERGIC, isolation & purification/ RECEPTORS, ADRENERGIC, BETA, analysis/ *RECEPTORS, ADRENERGIC, BETA, isolation & purification/ REVIEW

1466. **Hagemann P:** In-vitro-Wirkstoff-Freisetzung von fünf Prednisolon-Handelspräparaten in Tablettenform. Pharm Acta Helv 53(5):133–5, 1978 **(Ger)**
*PREDNISOLONE, analysis/ SOLUBILITY/ TABLETS

1467. **Hägg E, Tollin C, Bergman B:** Isolated FSH deficiency in a male. A case report. Scand J Urol Nephrol 12(3):287–9, 1978
ADULT/ CASE REPORT/ *FSH, deficiency/ HUMAN/ MALE/ *OLIGOSPERMIA, etiology

1468. **Haggag HF, Ganguli NC:** Incorporation of amino acids by isolated submitochondrial fractions of lactating goat mammary gland in vitro. J Dairy Sci 61(10):1384–91, Oct 78
*AMINO ACIDS, metabolism/ ANIMAL/ CELL FRACTIONATION/ CELL NUCLEUS, metabolism/ FEMALE/ GOATS/ *LACTATION/ *MAMMAE, metabolism/ MICROSOMES, metabolism/ *MITOCHONDRIA, metabolism/ NADPH CYTOCHROME C REDUCTASE, metabolism/ PREGNANCY/ RIBOSOMES, metabolism/ *SUBMITOCHONDRIAL PARTICLES, metabolism

1469. **Haggard MP, Birmingham AT:** Menstrual fluctuations in hearing--suggestions for hormone or drug monitoring methods in man [proceedings] Br J Pharmacol 64(3):476P, Nov 78
HEARING, drug effects/ *HEARING, physiology/ HORMONES, adverse effects/ HUMAN/ *MENSTRUATION

1470. **Hague RV, Cullen DR, Martin TJ:** Glucose-induced insulin secretion in patients with parathyroid disorders. Clin Endocrinol (Oxf) 9(3):283–8, Sep 78
CALCIUM, blood/ FEMALE/ GLUCOSE TOLERANCE TEST/ GLUCOSE, diagnostic use/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, physiopathology/ HYPOPARATHYROIDISM, blood/ *HYPOPARATHYROIDISM, physiopathology/ INSULIN, blood/ *INSULIN, secretion/ MALE

1471. **Hahn JA, Zipser RD, Zia PK, et al:** Prostaglandins in hyporeninaemic hypoaldosteronism [letter] Lancet 2(8104–5):1379, 23–30 Dec 78
*ADRENAL GLAND HYPOFUNCTION, etiology/ *ALDOSTERONE, blood/ FEMALE/ HUMAN/ KIDNEY CORTEX, metabolism/ MALE/ *PROSTAGLANDINS E, deficiency/ *RENIN, deficiency

1472. **Hahn TJ, Squires AE, Halstead LR, et al:** Reduced serum 25-hydroxyvitamin D concentration and disordered mineral metabolism in patients with cystic fibrosis. J Pediatr 94(1):38–42, Jan 79
ADOLESCENCE/ ADULT/ BONE AND BONES, metabolism/ *CALCIUM, blood/ CALCIUM, urine/ CHILD/ *CYSTIC FIBROSIS, blood/ CYSTIC FIBROSIS, metabolism/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ KIDNEY, metabolism/ MALE/ PARATHYROID HORMONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1473. **Haigler HJ:** Morphine: effects on serotonergic neurons and neurons in areas with a serotonergic input. Eur J Pharmacol 51(4):361–76, 15 Oct 78
ANIMAL/ DEXTRORPHAN, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ IONTOPHORESIS/ LEVORPHANOL, pharmacodynamics/ MALE/ *MORPHINE, pharmacodynamics/ *NEURONS, drug effects/ NOCICEPTORS, drug effects/ RATS/ *SEROTONIN, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1474. **Haigler HJ, Spring DD:** A comparison of the analgesic and behavioral effects of [D-Ala2] Met-enkepha-linamide and morphine in the mesencephalic reticular formation of rats. Life Sci 23(12):1229–39, 25 Sep 78
ANALGESIA/ ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ BRAIN MAPPING/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, antagonists & inhibitors/ *ENKEPHALINS, pharmacodynamics/ LOCOMOTION, drug effects/ MALE/ *MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RATS/ *RECEPTORS, NARCOTIC, drug effects/ *RETICULAR FORMATION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1475. **Haka-Ikse K, Stewart DA, Cripps MH:** Early development of children with sex chromosome aberrations. Pediatrics 62(5):761–6, Nov 78
*CHILD DEVELOPMENT DEVIATIONS, etiology/ CHILD DEVELOPMENT DEVIATIONS, familial & genetic/ CHILD, PRESCHOOL/ FEMALE/ GROWTH/ HUMAN/ KARYOTYPING/ MALE/ PROSPECTIVE STUDIES/ *SEX CHROMOSOME ABNORMALITIES/ XYY KARYOTYPE

1476. **Hakola HP, Iivanainen M:** Pneumoencephalographic and clinical findings of the XYY syndrome. Acta Psychiatr Scand 58(4):360–70, Oct 78
ADULT/ *BRAIN DISEASES, familial & genetic/ BRAIN DISEASES, radiography/ HUMAN/ MALE/ NEUROLOGIC EXAMINATION/ PNEUMOENCEPHALOGRAPHY/ PSYCHOLOGICAL TESTS/ *SEX CHROMOSOME ABNORMALITIES, radiography/ *XYY KARYOTYPE, radiography

1477. **Halawa B, Mazurek W:** Wpływ leczenia ruchem na zachowanie się niektórych wskaźników hemodynamicznych i biochemicznych krwi chorych z nadciśnieniem tętniczym. Pol Arch Med Wewn 60(3):229–35, Sep 78 (Eng. Abstr.) **(Pol)**
ADULT/ ENGLISH ABSTRACT/ *EXERCISE THERAPY/ HEMODYNAMICS/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, therapy/ MIDDLE AGE/ *RENIN, blood

1478. **Halevy S, Liu-Barnett M, Ross PL, et al:** Serum thyroid hormones changes in patients undergoing Caesarean section under general or regional anaesthesia. Br J Anaesth 50(10):1053–7, Oct 78
*ANESTHESIA, EPIDURAL/ *ANESTHESIA, GENERAL/ *ANESTHESIA, OBSTETRICAL/ CESAREAN SECTION/ FEMALE/ HUMAN/ PREGNANCY/ *THYROID HORMONES, blood/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood

1479. **Halgren E, Babb TL, Crandall PH:** Activity of human hippocampal formation and amygdala neurons during memory testing. Electroencephalogr Clin Neurophysiol 45(5):585–601, Nov 78
ACTION POTENTIALS/ *AMYGDALOID BODY, physiology/ COMPUTERS/ ELECTROENCEPHALOGRAPHY/ EPILEPSY/ *HIPPOCAMPUS, physiology/ HUMAN/ INTERVIEW, PSYCHOLOGICAL/ *MEMORY, SHORT-TERM/ PSYCHOLOGICAL TESTS/ STATISTICS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1480. **Halikowski B:** Ein Greis und ein Kind. Biologische Gegensätze und Gemeinsamkeiten. Fortschr Med 96(42):2157–63, 9 Nov 78 **(Ger)**
AGED/ *AGING/ CHILD, PRESCHOOL/ HUMAN/ HYPOTHALAMUS, physiology/ INSULIN, secretion/ LIFE EXPECTANCY/ MEDICINE IN ART/ MITOSIS/ PITUITARY GLAND, physiology/ SEX MATURATION

1481. **Hall D, Goedel-Meinen L, Rudolph W:** Richtlinien zur medikamentösen Behandlung der arteriellen Hypertonie. Herz 3(5):289-99, Oct 78 (Eng. Abstr.) **(Ger)**
ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ ANTIHYPERTENSIVE AGENTS, administration & dosage/ ANTIHYPERTENSIVE AGENTS, adverse effects/ *ANTIHYPERTENSIVE AGENTS, therapeutic use/ DIURETICS, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, diagnosis/ *HYPERTENSION, drug therapy/ METHYLDOPA, therapeutic use/ MIDDLE AGE/ SPIRONOLACTONE, therapeutic use/ VASODILATOR AGENTS, therapeutic use

1482. **Hall ED, Riker WF Jr, Baker T:** Glucocorticoid effects on the edrophonium responsiveness of normal and degenerating mammalian motor nerve terminals. Ann Neurol 2(5):404-8, Nov 77
ANIMAL/ AXONS, drug effects/ CATS/ *EDROPHONIUM CHLORIDE, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ MUSCLE CONTRACTION, drug effects/ *NERVE DEGENERATION, drug effects/ NEURAL TRANSMISSION, drug effects/ *NEUROMUSCULAR JUNCTION, drug effects/ PREMEDICATION/ *SCIATIC NERVE, drug effects/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1483. **Hall GM, Young C, Holdcroft A, et al:** Substrate mobilisation during surgery. A comparison between halothane and fentanyl anaesthesia. Anaesthesia 33(10):924-30, Nov-Dec 78
ADULT/ *ANESTHESIA, GENERAL, methods/ *BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ *FENTANYL/ *HALOTHANE/ HUMAN/ *HYDROCORTISONE, blood/ MICROSURGERY/ *SOMATOTROPIN, blood/ TIME FACTORS

1484. **Hall JG:** Microphallus, growth hormone deficiency, and hypoglycemia in Russell-Silver syndrome [letter] Am J Dis Child 132(11):1149, Nov 78
CASE REPORT/ CHILD, PRESCHOOL/ HUMAN/ *HYPOGLYCEMIA, complications/ MALE/ *PENIS, abnormalities/ *SOMATOTROPIN, deficiency/ SYNDROME

1485. **Hall PE:** The World Health Organization's programme for the standardization and quality control of radioimmunoassay of hormones in reproductive physiology. Horm Res 9(6):440-9, 1978
FEMALE/ HUMAN/ MALE/ QUALITY CONTROL/ *RADIOIMMUNOASSAY, methods/ *REPRODUCTION/ *SEX HORMONES, analysis/ WORLD HEALTH ORGANIZATION

1486. **Halpert J, Larroque P, Heyraud J, et al:** Encéphalopathie aiguë hypercalcémique iatrogène. Un cas. Nouv Presse Med 7(35):3152, 14 Oct 78 **(Fre)**
ACUTE DISEASE/ ADULT/ *BRAIN DISEASES, chemically induced/ *BROMIDES, adverse effects/ CALCIUM GLUCONATE, analogs & derivatives/ *CALCIUM GLUCONATE, adverse effects/ *CALCIUM, adverse effects/ CASE REPORT/ *DIHYDROTACHYSTEROL, adverse effects/ DISACCHARIDES, adverse effects/ FEMALE/ *GLUCONATES, adverse effects/ HUMAN/ *HYPERCALCEMIA, chemically induced

1487. **Hamada N, Mimura T, Ito K, et al:** [Hyperthyroidism and hypothyroidism] Nippon Rinsho 36(10):3392-7, Oct 78 **(Jpn)**
HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, etiology/ HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM/ HYPOTHYROIDISM, etiology/ HYPOTHYROIDISM, metabolism

1488. **Hamblin T, Oscier D:** Polyarteritis presenting with thrombocytosis and palliated by plasma exchange. Postgrad Med J 54(635):615-7, Sep 78
AGED/ CASE REPORT/ *EXCHANGE TRANSFUSION/ FEMALE/ HUMAN/ PALLIATIVE TREATMENT/ PERIARTERITIS NODOSA, complications/ *PERIARTERITIS NODOSA, therapy/ PLASMA/ PREDNISOLONE, therapeutic use/ THROMBOCYTOSIS, complications/ *THROMBOCYTOSIS, therapy

1489. **Hamburger JI:** Human reaction to bovine TSH [letter] J Nucl Med 19(10):1183, Oct 78
CATTLE/ HUMAN/ THYROID NEOPLASMS, drug therapy/ THYROTROPIN, administration & dosage/ *THYROTROPIN, adverse effects/ THYROTROPIN, secretion

1490. **Hamet P, Coquil JF:** Cyclic GMP binding and cyclic GMP phosphodiesterase in rat platelets. J Cyclic Nucleotide Res 4(4):281-90, Aug 78
ANIMAL/ BLOOD PLATELETS, enzymology/ *BLOOD PLATELETS, metabolism/ CARRIER PROTEINS, blood/ DITHIOTHREITOL, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ HYDROGEN-ION CONCENTRATION/ MERCAPTOETHANOL, pharmacodynamics/ PROTEIN BINDING/ PROTEIN KINASE, blood/ RATS/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics/ *3',5'-CYCLIC GMP PHOSPHODIESTERASE, blood

1491. **Hamet P, Baird CE, Hardman JG:** Characteristics of adenylate cyclase activity in pig coronary arteries. J Cyclic Nucleotide Res 4(3):183-99, Jun 78
ADENOSINE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CATIONS, DIVALENT, pharmacodynamics/ *CORONARY VESSELS, cytology/ *CORONARY VESSELS, enzymology/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ PURINES, pharmacodynamics/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1492. **Hamilton IR, Lo GC:** Co-induction of beta-galactosidase and the lactose-P-enolpyruvate phosphotransferase system in Streptococcus salivarius and Streptococcus mutans. J Bacteriol 136(3):900-8, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *BETA-GALACTOSIDASES, biosynthesis/ ENZYME INDUCTION/ ENZYME REPRESSION, drug effects/ *GALACTOSIDASES, biosynthesis/ KINETICS/ *LACTOSE PHOSPHOTRANSFERASE, biosynthesis/ LACTOSE, metabolism/ *PHOSPHOTRANSFERASES, biosynthesis/ *STREPTOCOCCUS MUTANS, enzymology/ *STREPTOCOCCUS, enzymology

1493. **Hamilton ME, Winfield JB:** Tgamma cells in systemic lupus erythematosus. Variation with disease activity. Arthritis Rheum 22(1):1-6, Jan 79
B-LYMPHOCYTES, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *IGG/ *IMMUNOGLOBULINS, FC/ *IMMUNOGLOBULINS, SURFACE/ LEUKOCYTE COUNT/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ LYMPHOPENIA, etiology/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1494. **Hamlyn JM, Duffy T:** Direct stimulation of human erythrocyte membrane (Na+ + k+)-mg ATPase activity in vitro by physiological concentrations of d-aldosterone. Biochem Biophys Res Commun 84(2):458-64, 29 Sep 78
ADENOSINE TRIPHOSPHATASE, blood/ *ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, blood/ *ALDOSTERONE, pharmacodynamics/ ENZYME ACTIVATION/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ HUMAN/ KINETICS/ MAGNESIUM, pharmacodynamics/ POTASSIUM, pharmacodynamics/ SODIUM, pharmacodynamics

1495. **Hammel I, Naot Y, Ben-David E, et al:** A simplified microassay for serotonin: modification of the enzymatic isotopic assay. Anal Biochem 90(2):840-3, 15 Oct 78
ACETIC ANHYDRIDES/ ACETYLATION/ ACETYLSEROTONIN METHYLTRANSFERASE/ ANIMAL/ METHODS/ *SEROTONIN, analysis/ TRITIUM

1496. **Hammerman KJ, Chen LJ, Fernandez-Corugedo A, et al:** Sex differences in hepatic sulfation of taurolithocholate in the

rat. Gastroenterology 75(6):1021–5, Dec 78
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ KIDNEY, enzymology/ *LITHOCHOLIC ACID, analogs & derivatives/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ RATS/ *SEX FACTORS/ TAUROLITHOCHOLIC ACID, analogs & derivatives/ *TAUROLITHOCHOLIC ACID, metabolism/ TRANSFERASES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1497. **Hammond CB, Haney AF:** Conservative treatment of endometriosis: 1978. Fertil Steril 30(5):497–509, Nov 78 (76 ref.)
ANDROGENS, therapeutic use/ CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ CONTRACEPTIVES, ORAL, SYNTHETIC, therapeutic use/ DANAZOL, therapeutic use/ DEPRESSION, CHEMICAL/ ENDOMETRIOSIS, drug therapy/ ENDOMETRIOSIS, surgery/ *ENDOMETRIOSIS, therapy/ ESTROGENS, pharmacodynamics/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ OVARY, physiopathology/ OVULATION, drug effects/ PITUITARY GLAND, physiopathology/ PREGNANCY/ PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTATIONAL HORMONES, therapeutic use/ PSEUDOPREGNANCY, chemically induced/ REVIEW

1498. **Hampel MR, Peng LH, Pearlman MR, et al:** Acylation of [3H]corticosterone by acini from mammary gland of lactating rats. Localization of the acylated glucocorticoid in the nuclear fraction. J Biol Chem 253(23):8545–53, 10 Dec 78
ACYLATION/ ANIMAL/ BIOLOGICAL TRANSPORT/ *CELL NUCLEUS, metabolism/ *CORTICOSTERONE, metabolism/ FEMALE/ KINETICS/ *LACTATION/ MAMMAE, cytology/ *MAMMAE, metabolism/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1499. **Hampl R, Dvořák P, Lukesová S, et al:** The use of iodinated steroid as radioligand for testosterone radioimmunoassay. J Steroid Biochem 9(8):771–3, Aug 78
CHROMATOGRAPHY, THIN LAYER, methods/ CROSS REACTIONS/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY, methods/ *TESTOSTERONE, analysis

1500. **Haneda A, Sakurada N, Takahashi K, et al:** [Pituitary gonadotropin and prolactin release by prostaglandin E2 (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1238–48, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ FSH, secretion/ *GONADOTROPINS, PITUITARY, secretion/ LH, secretion/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, secretion/ *PROLACTIN, secretion/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ VAGINA, drug effects

1501. **Haney AF, Schomberg DW:** Steroidal modulation of progesterone secretion by granulosa cells from large porcine follicles: a role for androgens and estrogens in controlling steroidogenesis. Biol Reprod 19(2):242–8, Sep 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GRANULOSA CELLS, cytology/ GRANULOSA CELLS, drug effects/ *GRANULOSA CELLS, metabolism/ *PROGESTERONE, metabolism/ *STANOLONE, pharmacodynamics/ SWINE

1502. **Hanid MA, Mackenzie RL, Jenner RE, et al:** Intracranial pressure in pigs with surgically induced acute liver failure. Gastroenterology 76(1):123–31, Jan 79
ANIMAL/ CEREBRAL CORTEX, pathology/ CEREBRAL CORTEX, physiopathology/ CRANIOTOMY/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ HEPATIC COMA, drug therapy/ HEPATIC COMA, pathology/ HEPATIC COMA, physiopathology/ INJECTIONS, INTRAVENOUS/ *INTRACRANIAL PRESSURE/ LIVER DISEASES, drug therapy/ LIVER DISEASES, pathology/ *LIVER DISEASES, physiopathology/ MALE/ METHODS/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ MONITORING, PHYSIOLOGIC/ PORTACAVAL ANASTOMOSIS/ SWINE/ TRANSDUCERS

1503. **Hanker JP, Bohnet HG, Mühlenstedt D, et al:** Gonadotrophin release during chronic administration of D-ser (TBU)6 LH-RH-EA in functional amenorrhoea. Acta Endocrinol (Copenh) 89(4):625–31, Dec 78
ADULT/ *AMENORRHEA, drug therapy/ AMENORRHEA, physiopathology/ CLINICAL RESEARCH/ CLOMIPHENE, diagnostic use/ DRUG EVALUATION/ ESTRADIOL, secretion/ FEMALE/ FSH, blood/ *FSH, secretion/ *HORMONES, SYNTHETIC, administration & dosage/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ LH, blood/ *LH, secretion/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, diagnostic use/ LH-FSH RELEASING HORMONE, therapeutic use

1504. **Hankin JH, Rawlings V:** Diet and breast cancer: a review. Am J Clin Nutr 31(11):2005–16, Nov 78 (91 ref.)
ADIPOSE TISSUE, metabolism/ ADOLESCENCE/ ADULT/ ANDROGENS, metabolism/ ANIMAL/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, occurrence/ *CARCINOGENS/ *DIET/ DIET, adverse effects/ DIETARY CARBOHYDRATES/ DIETARY FATS/ DIETARY PROTEINS/ ESTROGENS, metabolism/ FEMALE/ *HORMONES, metabolism/ HUMAN/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ MENARCHE/ MIDDLE AGE/ MINERALS/ OBESITY, complications/ PROLACTIN, metabolism/ REVIEW/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VEGETARIANISM/ VITAMINS

1505. **Hanko JH, Hardebo JE:** Enkephalin-induced dilatation of pial arteries in vitro probably mediated by opiate receptors. Eur J Pharmacol 51(3):295–7, 1 Oct 78
ANIMAL/ ARTERIES, drug effects/ CATS/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ IN VITRO/ MORPHINE, pharmacodynamics/ PIA MATER, blood supply/ *RECEPTORS, NARCOTIC, physiology/ *VASODILATOR AGENTS

1506. **Hanna CJ, Roth SH:** The guinea pig tracheobronchial spiral strip: responses to selected agonists. Can J Physiol Pharmacol 56(5):823–7, Oct 78
*AIRWAY RESISTANCE, drug effects/ ANIMAL/ BRADYKININ, pharmacodynamics/ BRONCHI, drug effects/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ PARASYMPATHOMIMETICS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TRACHEA, drug effects

1507. **Hanna CJ, Eyre P:** Pharmacological studies on the pulmonary vein of the horse. I. Effects of selected spasmogens. Can J Physiol Pharmacol 56(5):812–7, Oct 78
ANIMAL/ BRADYKININ, pharmacodynamics/ CARBACHOL, pharmacodynamics/ HISTAMINE, pharmacodynamics/ *HORSES, physiology/ IN VITRO/ METHYSERGIDE, pharmacodynamics/ METIAMIDE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ *PULMONARY VEINS, drug effects/ PYRILAMINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ *SLOW-REACTING SUBSTANCES, pharmacodynamics/ *VASOCONSTRICTION, drug effects

1508. **Hansen G:** Kortikosteroid-aerosol ved behandling av astma. Tidsskr Nor Laegeforen 98(30):1526, 30 Oct 78 **(Nor)**
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ *ASTHMA, drug therapy/ HUMAN

1509. **Hansen NE, Karle H, Valerius NH:** Neutrophil kinetics in acute bacterial infection. A clinical study. Acta Med Scand 204(5):407–12, 1978
ACUTE DISEASE/ ADULT/ CELL MOVEMENT/ FEMALE/ HUMAN/ LEUKOCYTE COUNT/ MALE/ *MENINGITIS, MENINGOCOCCAL, blood/ *MENINGITIS, PNEUMOCOCCAL, blood/ MIDDLE AGE/ *NEUTROPHILS/ PHOSPHORUS RADIOISOTOPES/ PREDNISONE, administration & dosage

1510. **Hansz J:** Kliniczne klasyfikącje złośliwych chłoniaków i jej znachzenie w programowaniu terapii oraz rokowaniu. Pol Arch Med Wewn 60(2):195–203, Aug 78 (57 ref.) **(Pol)**

BONE AND BONES, radionuclide imaging/ BONE MARROW EXAMINATION/ HODGKIN'S DISEASE, pathology/ HUMAN/ LYMPHOMA, immunology/ *LYMPHOMA, pathology/ LYMPHOMA, radiotherapy/ PROGNOSIS/ RADIOTHERAPY, HIGH ENERGY/ REVIEW/ SPLENECTOMY

1511. **Hara I:** [Serum dopamine-beta-hydroxylase activity in endocrine disease and hypertension (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1207–21, 20 Nov 78 (Eng. Abstr.) **(Jpn)**

ADRENAL GLAND DISEASES, enzymology/ ADULT/ BLOOD VOLUME/ CIRCADIAN RHYTHM/ *DOPAMINE BETA-HYDROXYLASE, blood/ *ENDOCRINE DISEASES, enzymology/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, blood/ *HYPERTENSION, enzymology/ PARATHYROID DISEASES, enzymology/ THYROID DISEASES, enzymology

1512. **Harada E, Laychock SG, Rubin RP:** Parathyroid hormone induced stimulation of calcium uptake by renal microsomes. Biochem Biophys Res Commun 84(2):396–402, 29 Sep 78

ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CATS/ IN VITRO/ KIDNEY, drug effects/ *KIDNEY, metabolism/ KINETICS/ MICROSOMES, drug effects/ *MICROSOMES, metabolism/ *PARATHYROID HORMONE, pharmacodynamics/ PERFUSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1513. **Hardin JA, Cronlund M, Haber E, et al:** Activation of blood clotting in patients with systemic lupus erythematosus. Relationship to disease activity. Am J Med 65(3):430–6, Sep 78

ADOLESCENCE/ ADULT/ ANTINUCLEAR FACTORS, analysis/ ARTHRITIS, blood/ ARTHRITIS, drug therapy/ *BLOOD COAGULATION/ DNA, immunology/ FEMALE/ FIBRIN FIBRINOGEN DEGRADATION PRODUCTS, analysis/ GLOMERULONEPHRITIS, blood/ GLOMERULONEPHRITIS, drug therapy/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ RADIOIMMUNOASSAY/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1514. **Hardwidge EA, Sarapu AC, Laughlin WC:** Comparison of operational characteristics of different dissolution testing systems. J Pharm Sci 67(12):1732–5, Dec 78

ANIMAL/ CAPSULES/ *CHEMISTRY, PHARMACEUTICAL, instrumentation/ COMPARATIVE STUDY/ DOGS/ EVALUATION STUDIES/ HYPOGLYCEMIC AGENTS, blood/ KINETICS/ MALE/ PREDNISONE/ ROTATION/ *SOLUBILITY/ TABLETS/ TETRACYCLINE

1515. **Hardy J:** Functional microsurgical treatment of hypersecreting pituitary disorders. Appl Neurophysiol 41(1–4):217–8, 1978

*ADENOMA, surgery/ HUMAN/ HYPERPITUITARISM, surgery/ *HYPOPHYSECTOMY, methods/ *MICROSURGERY, methods/ *PITUITARY NEOPLASMS, surgery

1516. **Hardy JG, Leeson M, Wilson CG, et al:** The use of gamma cameras to measure the disposition and fate of iodide in the rabbit [proceedings] Br J Pharmacol 64(3):468P–469P, Nov 78

ANIMAL/ GAMMA RAYS, diagnostic use/ *IODIDES, metabolism/ IODINE RADIOISOTOPES, diagnostic use/ PHOTOGRAPHY, instrumentation/ RABBITS

1517. **Hargreave TB, Jequier AM:** Can follicle stimulating hormone estimation replace testicular biopsy in the diagnosis of obstructive azoospermia? Br J Urol 50(6):415–8, Oct 78

BIOPSY/ COMPARATIVE STUDY/ *FSH, blood/ HUMAN/ MALE/ *OLIGOSPERMIA, diagnosis/ TESTIS, pathology

1518. **Häring HU, Kemmler W, Renner R, et al:** Initial lag-phase in the action of insulin on glucose transport and cAMP levels in fat cells. FEBS Lett 95(1):177–80, 1 Nov 78

*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ KINETICS/ MALE/ METHYLGLUCOSIDES, metabolism/ RATS

1519. **Harker LA:** 189 Prog Hemost Thromb 4:321–47, 1978

ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ATHEROMA, blood/ *BLOOD PLATELETS/ BLOOD PLATELETS, cytology/ BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, physiology/ CELL SURVIVAL, drug effects/ DIPYRIDAMOLE, pharmacodynamics/ HEPARIN, pharmacodynamics/ HUMAN/ SEROTONIN, metabolism/ THROMBOSIS, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1520. **Härkönen P, Isotalo A, Santti R:** Studies on the mechanism of testosterone action on glucose metabolism in the rat ventral prostate. J Steroid Biochem 6(10):1405–13, Oct 75

ANIMAL/ CASTRATION/ DACTINOMYCIN, pharmacodynamics/ DEOXYGLUCOSE, metabolism/ *GLUCOSE, metabolism/ GLUCOSEPHOSPHATES, metabolism/ GLYCOLYSIS, drug effects/ KINETICS/ MALE/ PROSTATE, drug effects/ *PROSTATE, metabolism/ RATS/ *TESTOSTERONE, pharmacodynamics

1521. **Harlan RE, Gorski RA:** Dissociation between release of luteinizing hormone and prolactin and induction of female sexual behavior in normal and androgenized rats. Biol Reprod 19(2):439–46, Sep 78

ANIMAL/ COMPARATIVE STUDY/ DIESTRUS/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *LH, secretion/ *POSTURE/ PROGESTERONE, pharmacodynamics/ *PROLACTIN, secretion/ RATS/ *SEX BEHAVIOR, ANIMAL/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1522. **Harlan RE, Gorski RA:** Sexual differences in steroid facilitated luteinizing hormone release independent from timing of secretion and effect of bleeding procedures. Biol Reprod 19(3):580–4, Oct 78

ANALYSIS OF VARIANCE/ ANIMAL/ BLOOD SPECIMEN COLLECTION, methods/ COMPARATIVE STUDY/ *ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ *LH, blood/ MALE/ *PROGESTERONE, pharmacodynamics/ RATS/ *SEX/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1523. **Harlay A:** Rachitisme carentiel. Infirm Fr (198):22–3, Oct 78 **(Fre)**

CHILD, PRESCHOOL/ HUMAN/ INFANT/ *RICKETS, etiology/ *VITAMIN D DEFICIENCY, complications

1524. **Harmanci MC, Kachadorian WA, Valtin H, et al:** Antidiuretic hormone-induced intramembranous alterations in mammalian collecting ducts. Am J Physiol 235(5):440–3, Nov 78

ANIMAL/ DIABETES INSIPIDUS, pathology/ FREEZE FRACTURING/ *KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, COLLECTING, drug effects/ KIDNEY TUBULES, COLLECTING, ultrastructure/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, pharmacodynamics

1525. **Harney AN, Kukreja SC, Hargis GK, et al:** Effect of long-term administration of epinephrine and propranolol on serum calcium, parathyroid hormone, and calcitonin in the rat. Proc Soc Exp Biol Med 159(2):266–9, Nov 78

ANIMAL/ *CALCITONIN, blood/ CALCITONIN, secretion/ *CALCIUM, blood/ EPINEPHRINE, administration & dosage/ *EPINEPHRINE, pharmacodynamics/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, secretion/ PROPRANOLOL, administration & dosage/ *PROPRANOLOL, pharmacodynamics/ RATS/ TIME FACTORS

1526. **Harri MN:** Metabolic and cardiovascular responses to prolonged noradrenaline load and their antagonism by beta blockade in the rat. Acta Physiol Scand 104(4):402–14, Dec 78

ADRENAL GLANDS, drug effects/ *ALPRENOLOL, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ BODY WEIGHT, drug effects/ *BROWN FAT, drug effects/ BROWN FAT, enzymology/ *CARDIOVASCULAR SYSTEM, drug effects/ *HEART ENLARGEMENT, chemically induced/ HEART RATE, drug effects/ HEART, drug effects/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MUSCLES, enzymology/ *MYOCARDIUM, enzymology/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ ORGAN WEIGHT, drug effects/ RATS/ TIME FACTORS

1527. **Härringer M:** Messzellen: Hilfsmittel bei der histologischen Diagnose. Mikroskopie 34(3–4):71–5, Aug 78 (Eng. Abstr.) **(Ger)**
BIOPSY/ CELL NUMBER/ ENGLISH ABSTRACT/ *HISTOLOGICAL TECHNICS/ HUMAN/ MALE/ SPERMATOGONIA, cytology/ TESTIS, cytology

1528. **Harris DN, Heran CL, Goldenberg HJ, et al:** Effects of SQ 14,225, an orally active inhibitor of angiotensin-converting enzyme on blood pressure, heart rate and plasma renin activity of conscious normotensive dogs.
Eur J Pharmacol 51(4):345–9, 15 Oct 78
ANGIOTENSIN I, pharmacodynamics/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *BLOOD PRESSURE, drug effects/ DOGS/ *HEART RATE, drug effects/ *KININASE II, antagonists & inhibitors/ *PROLINE, analogs & derivatives/ PROLINE, pharmacodynamics/ *RENIN, blood

1529. **Harrison DT, Neiman PE, Sullivan K, et al:** Combined modality therapy for advanced, diffuse lymphocytic and histiocytic lymphomas. Cancer 42(4):1697–704, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ BONE MARROW, drug effects/ CYCLOPHOSPHAMIDE, administration & dosage/ DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HEART FAILURE, CONGESTIVE, chemically induced/ HUMAN/ *LYMPHOSARCOMA, therapy/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PROCARBAZINE, administration & dosage/ REMISSION/ *SARCOMA, RETICULUM CELL, therapy/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, administration & dosage

1530. **Harrison FA, Heap RB:** Progesterone secretion during pregnancy in sheep with an autotransplanted adrenal and an autotransplanted ovary. J Reprod Fertil 54(1):153–7, Sep 78
*ADRENAL GLANDS, secretion/ ADRENAL GLANDS, transplantation/ ANIMAL/ FEMALE/ GESTATIONAL AGE/ NECK/ *OVARY, secretion/ OVARY, transplantation/ PLACENTA, secretion/ PREGNANCY/ PROGESTERONE, blood/ *PROGESTERONE, secretion/ SECRETORY RATE/ SHEEP/ TRANSPLANTATION, AUTOLOGOUS

1531. **Harrow JA, Das PK, Dhalla NS:** Influence of some divalent cations on heart sarcolemmal bound enzymes and calcium binding. Biochem Pharmacol 27(22):2605–9, 1978
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ *CALCIUM, metabolism/ *CATIONS, DIVALENT, pharmacodynamics/ COBALT, pharmacodynamics/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MALE/ MANGANESE, pharmacodynamics/ *MYOCARDIUM, enzymology/ NICKEL, pharmacodynamics/ RABBITS/ SARCOLEMMA, drug effects/ *SARCOLEMMA, enzymology

1532. **Hart SM:** Reaction to althesin [letter] Br J Anaesth 50(11):1169, Nov 78
ALTHESIN, administration & dosage/ *ALTHESIN, adverse effects/ *ANESTHESIA, INTRAVENOUS, adverse effects/ CASE REPORT/ *DRUG HYPERSENSITIVITY, diagnosis/ FEMALE/ HUMAN/ MIDDLE AGE/ *PREGNANEDIONES, adverse effects

1533. **Hart T, Chaimas N, Moore RY, et al:** Effects of nerve growth factor on behavioral recovery following caudate nucleus lesions in rats. Brain Res Bull 3(3):245–50, May–Jun 78
ANIMAL/ AVOIDANCE LEARNING, drug effects/ AVOIDANCE LEARNING, physiology/ *BEHAVIOR, ANIMAL, drug effects/ BEHAVIOR, ANIMAL, physiology/ CAUDATE NUCLEUS, drug effects/ *CAUDATE NUCLEUS, physiology/ CELL NUMBER, drug effects/ DOPAMINE, metabolism/ MALE/ *NERVE GROWTH FACTOR, pharmacodynamics/ NEUROGLIA, cytology/ NEURONS, cytology/ RATS/ REVERSAL LEARNING, drug effects/ REVERSAL LEARNING, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1534. **Hartl J, Chocholousová J, Palát K:** Chemoterapeutika zhoubného bujení. Cesk Fysiol 27(6):260–9, Nov 78 (105 ref.) **(Cze)**
ALKYLATING AGENTS/ ANTIBIOTICS, ANTINEOPLASTIC/ *ANTINEOPLASTIC AGENTS/ ANTINEOPLASTIC AGENTS, PHYTOGENIC/ ASPARAGINASE/ CHEMISTRY/ ESTROGENS/ NEOPLASMS, drug therapy/ REVIEW

1535. **Harvey S, Scanes CG:** Plasma concentrations of growth hormone during growth in normal and testosterone-treated chickens. J Endocrinol 79(1):145–6, Oct 78
ANIMAL/ BIOMETRY/ BODY WEIGHT, drug effects/ CHICKENS/ GROWTH/ MALE/ *SOMATOTROPIN, blood/ *TESTOSTERONE, pharmacodynamics

1536. **Harvey S, Scanes CG, Chadwick A, et al:** Effect of reserpine on plasma concentrations of growth hormone and prolactin in the domestic fowl. J Endocrinol 79(1):153–4, Oct 78
ANIMAL/ *CHICKENS, blood/ MALE/ *PROLACTIN, blood/ *RESERPINE, pharmacodynamics/ *SOMATOTROPIN, blood

1537. **Haschke F, Hohenauer L:** Transitorischer Diabetes mellitus bei einem dystrophen Neugeborenen. Helv Paediatr Acta 33(4–5):385–92, Nov 78 (Eng. Abstr.) **(Ger)**
BLOOD SUGAR, analysis/ CASE REPORT/ *DIABETES MELLITUS/ DIABETES MELLITUS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ GLUCAGON, secretion/ GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ INFANT, NEWBORN, DISEASES, drug therapy/ INFANT, SMALL FOR GESTATIONAL AGE/ INSULIN, blood/ INSULIN, therapeutic use/ SOMATOTROPIN, blood

1538. **Hasegawa K, Matsushita Y, Otomo S, et al:** [Serum prolactin level in chronic renal failure] Nippon Rinsho 36(8):2999–3005, Aug 78 **(Jpn)**
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ *KIDNEY FAILURE, CHRONIC, blood/ MALE/ MIDDLE AGE/ *PROLACTIN, blood

1539. **Haslam RJ, Davidson MM, Desjardins JV:** Inhibition of adenylate cyclase by adenosine analogues in preparations of broken and intact human platelets. Evidence for the unidirectional control of platelet function by cyclic AMP. Biochem J 176(1):83–95, 15 Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ADENOSINE, analogs & derivatives/ ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, antagonists & inhibitors/ ADENYL CYCLASE, blood/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, enzymology/ ENZYME ACTIVATION, drug effects/ HUMAN/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ SEROTONIN, blood/ STRUCTURE-ACTIVITY RELATIONSHIP

1540. **Hasler MJ, Nalbandov AV:** Pregnancy maintenance and progesterone concentrations in the musk shrew, Suncus murinus (order: Insectivora). Biol Reprod 19(2):407–13, Sep 78
ADRENAL GLANDS, metabolism/ ANIMAL/ CASTRATION/ FEMALE/ OVARY, metabolism/ POSTNIDATION PHASE, ANIMAL/ PREGNANCY/ *PREGNANCY, ANIMAL/ PRENIDATION PHASE, ANIMAL/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ *SHREWS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1541. **Hasselgren G, Franzén A, Hammarström LE:** Histochemical characterization of alkaline phosphatase in developing rat teeth and bone. Scand J Dent Res 86(5):325–36, Sep 78
*ALKALINE PHOSPHATASE, metabolism/

ANIMAL/ *BONE AND BONES, enzymology/ *BONE DEVELOPMENT/ BONE DEVELOPMENT, drug effects/ ENZYME INHIBITORS, pharmacodynamics/ HEAT/ HISTOCYTOCHEMISTRY/ ISOENZYMES, metabolism/ ODONTOBLASTS, enzymology/ RATS/ TOOTH, enzymology/ *TOOTH, growth & development

1542. **Hata M, Jitsukawa S, Murai M, et al:** [Renovascular hypertension: experiences in nine renal autotransplantations (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(8):1019–27, Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENOVASCULAR, diagnosis/ *HYPERTENSION, RENOVASCULAR, surgery/ KIDNEY, physiopathology/ *KIDNEY, transplantation/ MALE/ RENIN, blood/ TRANSPLANTATION, AUTOLOGOUS

1543. **Hatch KD, Shingleton HM, Austin JM Jr, et al:** Southern Regional Trophoblastic Disease Center, 1972--1977. South Med J 71(11):1334–6, 1340, Nov 78
*CANCER CARE FACILITIES/ CHORIOCARCINOMA, diagnosis/ CHORIOCARCINOMA, drug therapy/ CYCLOPHOSPHAMIDE, administration & dosage/ DACTINOMYCIN, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ *HOSPITALS, SPECIAL/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, drug therapy/ METHOTREXATE, administration & dosage/ PREGNANCY/ PROGNOSIS/ REFERRAL AND CONSULTATION/ REMISSION/ *TROPHOBLASTIC TUMOR/ TROPHOBLASTIC TUMOR, diagnosis/ TROPHOBLASTIC TUMOR, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UNITED STATES

1544. **Hattori M, Fukase M, Yoshimi H, et al:** Ectopic production of human chorionic gonadotropin in malignant tumors. Cancer 42(5):2328–33, Nov 78
ADOLESCENCE/ ADULT/ AGED/ APUDOMA, blood/ *APUDOMA, metabolism/ COMPARATIVE STUDY/ FEMALE/ *GONADOTROPINS, CHORIONIC, biosynthesis/ GONADOTROPINS, CHORIONIC, blood/ *HORMONES, ECTOPIC, biosynthesis/ HORMONES, ECTOPIC, blood/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, blood/ *NEOPLASMS, metabolism

1545. **Haug E, Naess O, Gautvik KM:** Receptors for 17beta-estradiol in prolactin-secreting rat pituitary cells. Mol Cell Endocrinol 12(1):81–95, Oct 78
BINDING, COMPETITIVE/ BIOLOGICAL TRANSPORT/ CELL LINE/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ KINETICS/ PITUITARY GLAND/ *PROLACTIN, secretion/ RATS/ *RECEPTORS, ESTROGEN, metabolism

1546. **Hauptmann G, Mayer S, Vierling F, et al:** Oedème angioneurotique héréditaire: traitement préopératoire par le danazol. Nouv Presse Med 7(33):2962–3, 30 Sep 78 (Eng. Abstr.) **(Fre)**
ADULT/ *ANGIONEUROTIC EDEMA, drug therapy/ ANGIONEUROTIC EDEMA, familial & genetic/ CASE REPORT/ COMPLEMENT 1 INACTIVATORS, analysis/ COMPLEMENT 4, analysis/ DANAZOL, pharmacodynamics/ *DANAZOL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PREGNADIENES, therapeutic use/ *PREOPERATIVE CARE/ *TOOTH EXTRACTION/ 6-AMINOCAPROIC ACID, therapeutic use

1547. **Hauschka PV, Reid ML:** Vitamin D dependence of a calcium-binding protein containing gamma-carboxyglutamic acid in chicken bone. J Biol Chem 253(24):9063–8, 25 Dec 78
ANIMAL/ BONE AND BONES, drug effects/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ *CARRIER PROTEINS, metabolism/ CHICK EMBRYO/ CHICKENS/ *GLUTAMATES/ KINETICS/ ORGAN SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN K, pharmacodynamics/ WARFARIN, pharmacodynamics/ *1-CARBOXYGLUTAMIC ACID/ 1-CARBOXYGLUTAMIC ACID, metabolism

1548. **Hauss J, Schönleben K, Hrubesch M, et al:** Präoperative Lokalisation von Nebenschilddrüsenadenomen durch supraselektive Parathormonbestimmung im Halsvenenblut. Chirurg 49(12):745–51, Dec 78 (Eng. Abstr.) **(Ger)**
*ADENOMA, blood/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NECK, blood supply/ *PARATHYROID HORMONE, blood/ *PARATHYROID NEOPLASMS, blood/ RADIOIMMUNOASSAY/ VEINS

1549. **Hautecouverture M, Luton JP:** Glucocorticoïdes et métabolisme glucido-lipidique. Sem Hop Paris 54(21–24):764–70, 8–15 Sep 78 (36 ref.) (Eng. Abstr.) **(Fre)**
ADIPOSE TISSUE, drug effects/ ANIMAL/ *CARBOHYDRATES, metabolism/ DIABETES MELLITUS, metabolism/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ *GLUCOCORTICOIDS, pharmacodynamics/ GLUCOCORTICOIDS, physiology/ GLUCONEOGENESIS, drug effects/ GLUCOSE, metabolism/ HUMAN/ LIPID MOBILIZATION, drug effects/ *LIPIDS, metabolism/ LIVER GLYCOGEN, metabolism/ LIVER, drug effects/ MUSCLE PROTEINS, metabolism/ PANCREAS, drug effects/ RECEPTORS, INSULIN, drug effects/ REVIEW/ STIMULATION, CHEMICAL

1550. **Hawiger J:** Platelets in Sanarelli-Shwartzman reaction and in human sepsis. pp. 321–8.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (39 ref.)
ANIMAL/ *BLOOD PLATELETS/ CELL MEMBRANE/ COMPLEMENT/ ENDOTOXINS, pharmacodynamics/ HUMAN/ MONOGRAPH/ PHOSPHOLIPIDS, metabolism/ RABBITS/ REVIEW/ SALMONELLA ENTERITIDIS/ *SEPTICEMIA, blood/ SEROTONIN, metabolism/ *SHWARTZMAN PHENOMENON, blood/ THROMBOPENIA, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1551. **Hawkey CM, Dean S, Hart MG:** The influence of anaesthetics on the haematology of the patas monkey, Erythrocebus patas. Lab Anim 12(3):167–70, Jul 78
ALTHESIN, pharmacodynamics/ *ANESTHETICS, pharmacodynamics/ ANIMAL/ BLOOD COAGULATION TESTS/ COMPARATIVE STUDY/ FEMALE/ HEMOGLOBINS, analysis/ KETAMINE, pharmacodynamics/ LEUKOCYTE COUNT/ MALE/ *MONKEYS, blood/ *PATAS MONKEYS, blood/ PHENCYCLIDINE, pharmacodynamics

1552. **Hay JB, Hodgins MB:** Distribution of androgen metabolizing enzymes in isolated tissues of human forehead and axillary skin. J Endocrinol 79(1):29–39, Oct 78
ADULT/ AGED/ *ANDROSTENEDIONE, metabolism/ AXILLA/ CLOSTRIDIOPEPTIDASE A/ DISSECTION, methods/ DNA, metabolism/ FEMALE/ FOREHEAD/ HUMAN/ IN VITRO/ MALE/ MIDDLE AGE/ SKIN, enzymology/ *SKIN, metabolism/ *TESTOSTERONE, metabolism/ TISSUE DISTRIBUTION

1553. **Hayashi E, Maeda T, Hasegawa R, et al:** The effect of myo-inositol deficiency on lipid metabolism in rats. III. The mechanism of an enhancement in lipolysis due to myo-inositol deficiency in rats. Biochim Biophys Acta 531(2):197–205, 22 Nov 78
ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ADRENALECTOMY/ ANIMAL/ BUPRANOLOL, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ *INOSITOL, deficiency/ INSULIN, pharmacodynamics/ LIPASE, metabolism/ *LIPID MOBILIZATION/ LIPID MOBILIZATION, drug effects/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ RATS/ RESERPINE, pharmacodynamics/ TRIGLYCERIDES, metabolism

1554. **Hayashi S, Toda N:** Age-related changes in the response of rabbit isolated aortae to vasoactive agents. Br J Pharmacol 64(2):229–37, Oct 78

*AGING/ ANIMAL/ ANIMALS, NEWBORN/ AORTA, THORACIC, drug effects/ *BLOOD VESSELS, drug effects/ FEMALE/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ *MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ RABBITS/ SEROTONIN, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, pharmacodynamics/ *VASODILATOR AGENTS, pharmacodynamics

1555. **Hayden DW, Wade GG, Handler AH:** The goitrogenic effect of 4,4'-oxydianiline in rats and mice. Vet Pathol 15(5):649-62, Sep 78
*ANILINE COMPOUNDS, toxicity/ ANIMAL/ FEMALE/ GOITER, chemically induced/ GOITER, pathology/ *GOITER, veterinary/ MALE/ MICE/ *MICE, INBRED STRAINS/ *PHENYL ETHERS, toxicity/ PITUITARY GLAND, ANTERIOR, pathology/ RATS/ *RATS, INBRED F344/ *RATS, INBRED STRAINS/ RODENT DISEASES, chemically induced/ *RODENT DISEASES, pathology/ TESTIS, pathology/ THYROID GLAND, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1556. **Hayek A:** Thyroid storm following radioiodine for thyrotoxicosis. J Pediatr 93(6):978-80, Dec 78
CASE REPORT/ CHILD/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, adverse effects/ IODINE RADIOISOTOPES, therapeutic use/ *THYROID CRISIS, etiology/ THYROID CRISIS, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism

1557. **Hayes RL:** The medical use of gallium radionuclides: a brief history with some comments. Semin Nucl Med 8(3):183-91, Jul 78
ANIMAL/ BONE AND BONES, radionuclide imaging/ *GALLIUM RADIOISOTOPES, diagnostic use/ GALLIUM RADIOISOTOPES, history/ GALLIUM RADIOISOTOPES, metabolism/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INFLAMMATION, radionuclide imaging/ NEOPLASMS, radionuclide imaging/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED

1558. **Heard CR:** The effects of protein-energy malnutrition on blood glucose homeostasis. World Rev Nutr Diet 30:107-47, 1978 (156 ref.)
AMINO ACIDS, metabolism/ ANIMAL/ *BLOOD SUGAR/ CARBOHYDRATES, metabolism/ CATECHOLAMINES, pharmacodynamics/ DOGS/ GLUCAGON, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ GLUCONEOGENESIS/ GLUCOSE TOLERANCE TEST, methods/ GLYCOGEN, biosynthesis/ GROWTH/ HOMEOSTASIS/ HUMAN/ HYPOGLYCEMIA, etiology/ INSULIN, blood/ *PROTEIN-CALORIE MALNUTRITION/ PROTEIN-CALORIE MALNUTRITION, blood/ PROTEIN-CALORIE MALNUTRITION, complications/ RATS/ RECEPTORS, INSULIN/ REVIEW/ SOMATOTROPIN, physiology/ SWINE

1559. **Hearn PR, Tomlinson S, Mellersh H, et al:** High affinity calcium binding peptides from the gills, gut and kidneys of the freshwater eel (Anguilla anguilla).
Biochim Biophys Acta 536(2):429-32, 23 Oct 78
ANIMAL/ *CALCIUM, metabolism/ *CARRIER PROTEINS, metabolism/ *EELS, metabolism/ GILLS, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ KINETICS/ MOLECULAR WEIGHT

1560. **Hedin CA, Larsson A:** Physiology and pathology of melanin pigmentation with special reference to the oral mucosa. A literature survey. Swed Dent J 2(4):113-29, 1978 (78 ref.)
CELL NUMBER/ EPITHELIUM, cytology/ EPITHELIUM, metabolism/ EPITHELIUM, pathology/ HORMONES, physiology/ HUMAN/ *MELANINS, biosynthesis/ MELANINS, metabolism/ *MELANOCYTES, metabolism/ MOUTH DISEASES, metabolism/ MOUTH MUCOSA, cytology/ *MOUTH MUCOSA, metabolism/ MOUTH MUCOSA, pathology/ MOUTH NEOPLASMS, metabolism/ PIGMENTATION DISORDERS, metabolism/ PIGMENTATION/ REVIEW

1561. **Hedlin A, Kuksis A, Geher K:** Oral contraceptive estrogen and plasma lipid levels. Obstet Gynecol 52(4):430-5, Oct 78
ADOLESCENCE/ ADULT/ CHOLESTEROL ESTERS, blood/ CHOLESTEROL, blood/ CHROMATOGRAPHY, GAS/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ ESTROGENS, SYNTHETIC, administration & dosage/ *ESTROGENS, SYNTHETIC, pharmacodynamics/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ *LIPIDS, blood/ MESTRANOL, administration & dosage/ MESTRANOL, pharmacodynamics/ NORGESTREL, pharmacodynamics/ PHOSPHOLIPIDS, blood/ TRIGLYCERIDES, blood

1562. **Hedqvist PO:** Prostaglandin-mediated prejunctional regulation of adrenergic neurotransmission. Biochem Soc Trans 6(4):714-7, 1978
ACTION POTENTIALS, drug effects/ ANIMAL/ AXONS, drug effects/ *AXONS, physiology/ NOREPINEPHRINE, secretion/ *PROSTAGLANDINS, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, drug effects

1563. **Heim J:** Microangiopathie diabétique. Rôle de l'hormone de croissance (hGH). Lille Med 23(7):490-3, Aug-Sep 78 **(Fre)**
DIABETES MELLITUS, physiopathology/ *DIABETIC ANGIOPATHIES, etiology/ HUMAN/ *SOMATOTROPIN, physiology

1564. **Heimburger RF, Small IF, Small JG, et al:** Stereotactic amygdalotomy for convulsive and behavioral disorders. Long-term follow-up study. Appl Neurophysiol 41(1-4):43-51, 1978
ADOLESCENCE/ ADULT/ *AMYGDALOID BODY, surgery/ CHILD/ EPILEPSY, rehabilitation/ *EPILEPSY, surgery/ FOLLOW-UP STUDIES/ HUMAN/ HYPERKINESIS, rehabilitation/ *HYPERKINESIS, surgery/ MIDDLE AGE/ *STEREOTAXIC TECHNICS/ STEREOTAXIC TECHNICS, methods

1565. **Heincz MC, McFall E:** Role of small molecules in regulation of D-serine deaminase synthesis. J Bacteriol 136(1):104-10, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ BACTERIAL PROTEINS, biosynthesis/ BACTERIAL PROTEINS, pharmacodynamics/ ENZYME INDUCTION/ *ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, genetics/ *GUANINE NUCLEOTIDES, pharmacodynamics/ *GUANOSINE TETRAPHOSPHATE, pharmacodynamics/ MODELS, BIOLOGICAL/ MUTATION/ *SERINE DEHYDRATASE, biosynthesis/ *SERINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1566. **Heindel JJ, Lipshultz LI, Steinberger E:** Stimulation of cyclic adenosine 3':5'-monophosphate accumulation in human testes in vitro by luteinizing hormone, follicle-stimulating hormone, and prostaglandins. Fertil Steril 30(5):595-9, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ *FSH, pharmacodynamics/ HUMAN/ *LH, pharmacodynamics/ MALE/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ SHEEP/ STIMULATION, CHEMICAL/ *TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

1567. **Heki N:** [A simple method for the simultaneous analysis of r-T3 and 3,3'-T2 by mass fragmentography using GC-MS. (Part II. Mass fragmentographic identification of 3,3'-T2 and r-T3 in biological fluids) (author's transl)]
Nippon Naibunpi Gakkai Zasshi 54(10):1157-62, 20 Oct 78 (Eng. Abstr.) **(Jpn)**

ANIMAL/ *DIIODOTHYRONINES, analysis/ ENGLISH ABSTRACT/ HUMAN/ *MASS FRAGMENTOGRAPHY, methods/ RATS/ *THYRONINES, analysis/ *TRIIODOTHYRONINE, analysis

1568. **Heki N:** [A simple method for the simultaneous analysis of r-T3 and 3'-T2 by mass fragmentography using GC-MS. (Part I. A comparative study of impurities in commercially available thyroid preparations) (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(10):1151-6, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
COMPARATIVE STUDY/ *DIIODOTHYRONINES, analysis/ DIIODOTHYRONINES, standards/ ENGLISH ABSTRACT/ HUMAN/ *MASS FRAGMENTOGRAPHY/ *THYRONINES, analysis/ *TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, standards

1569. **Helgebostad A, Nordstoga K:** Hypervitaminosis D in fur-bearing animals. Nord Vet Med 30(10):451-5, Oct 78
ANIMAL FEED/ ANIMAL/ CALCIUM, blood/ CHOLECALCIFEROLS, blood/ *CHOLECALCIFEROLS, metabolism/ *FOXES, blood/ *MINK, blood

1570. **Helke CJ, Kellar KJ, Gillis RA:** Effect of arrhythmogenic doses of deslanoside on the uptake of monoamines in brain tissue and in cardiac tissue. Eur J Pharmacol 52(1):47-55, 1 Nov 78
ANIMAL/ *BRAIN, drug effects/ BRAIN, metabolism/ CATS/ COCAINE, pharmacodynamics/ *DESLANOSIDE, pharmacodynamics/ DOPAMINE, metabolism/ FEMALE/ *HEART, drug effects/ *LANATOSIDES, pharmacodynamics/ MALE/ MYOCARDIUM, metabolism/ *NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1571. **Helke CJ, Yuhaniak PA, Kellar KJ, et al:** Effect of deslanoside on brain and spinal cord levels of serotonin and 5-hydroxy-indoleacetic acid and tryptophan hydroxylase activity. Biochem Pharmacol 27(20):2459-61, 1978
ANIMAL/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ CATS/ *DESLANOSIDE, pharmacodynamics/ *HYDROXYINDOLEACETIC ACID, metabolism/ *LANATOSIDES, pharmacodynamics/ *SEROTONIN, metabolism/ SPINAL CORD, drug effects/ SPINAL CORD, enzymology/ *SPINAL CORD, metabolism/ *TRYPTOPHAN HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1572. **Hellstern P, Keller HE, Weinheimer B, et al:** Thyroid iodine concentration and total thyroid iodine in normal subjects and in endemic goitre subjects. Clin Endocrinol (Oxf) 9(4):351-6, Oct 78
AGED/ FEMALE/ *GOITER, ENDEMIC, metabolism/ HUMAN/ *IODINE, metabolism/ MALE/ MIDDLE AGE/ *THYROID GLAND, metabolism

1573. **Hempel E, Zorn C, Graf K:** Beeinflussen Chemotherapeutika und Antibiotika die hormonale Kontrazeption? Z Aerztl Fortbild (Jena) 72(19):924-6, 1 Oct 78 **(Ger)**
*ANTIBIOTICS, pharmacodynamics/ *CONTRACEPTION/ CONTRACEPTIVES, ORAL, HORMONAL/ DRUG INTERACTIONS/ *DRUG THERAPY, adverse effects/ ENZYME INDUCTION/ FEMALE/ HUMAN

1574. **Henderson SK, Wickroski AF:** Reverse phase high pressure liquid chromatographic determination of vitamin D in fortified milk. J Assoc Off Anal Chem 61(5):1130-4, Sep 78
ANIMAL/ CATTLE/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ *FOOD, FORTIFIED, analysis/ *MILK, analysis/ *VITAMIN D, analysis

1575. **Hendley JO, Mika LA, Gwaltney JM Jr:** Evaluation of virucidal compounds for inactivation of rhinovirus on hands. Antimicrob Agents Chemother 14(5):690-4, Nov 78
*ANTI-INFECTIVE AGENTS, LOCAL, pharmacodynamics/ *HAND, microbiology/ HUMAN/ IODINE, administration & dosage/ IODINE, pharmacodynamics/ *RHINOVIRUSES, drug effects/ UNITED STATES GOV'T SUPPORTED

1576. **Henkart MP, Reese TS, Brinley FJ Jr:** Endoplasmic reticulum sequesters calcium in the squid giant axon. Science 202(4374):1300-3, 22 Dec 78
ANIMAL/ *AXONS, metabolism/ *CALCIUM, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ INTRACELLULAR MEMBRANES, metabolism/ MITOCHONDRIA, metabolism/ SQUID/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1577. **Henn FA, Anderson DJ, Sellström A:** The role of neuroleptic drug receptors on astroglial cells. pp. 435-41. In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.
ADENYL CYCLASE, metabolism/ ANIMAL/ *ASTROCYTES, metabolism/ CATTLE/ *CAUDATE NUCLEUS, metabolism/ CHLORPROMAZINE, pharmacodynamics/ DOPAMINE, metabolism/ GLUTAMATE DECARBOXYLASE, metabolism/ HALOPERIDOL, metabolism/ MONOGRAPH/ NOREPINEPHRINE, metabolism/ *RECEPTORS, DOPAMINE, metabolism/ SYNAPTOSOMES, metabolism/ *TRANQUILIZING AGENTS, MAJOR, metabolism

1578. **Hennen G:** Pathologie endocrinienne et oedèmes. Rev Med Liege 33(21):764-5, 1 Nov 78 **(Fre)**
*EDEMA, etiology/ *ENDOCRINE DISEASES, complications/ HUMAN

1579. **Henney CS, Tracey D, Durdik JM, et al:** Natural killer cells. In vitro and in vivo. Am J Pathol 93(2):459-67, Nov 78
AGE FACTORS/ ANIMAL/ BCG/ CELL LINE/ COLCHICINE, pharmacodynamics/ CYTOCHALASINS, pharmacodynamics/ *CYTOTOXICITY, IMMUNOLOGIC/ CYTOTOXICITY, IMMUNOLOGIC, drug effects/ *KILLER CELLS, immunology/ MICE/ *NEOPLASMS, immunology/ PROSTAGLANDINS, pharmacodynamics

1580. **Henning SJ:** Plasma concentrations of total and free corticosterone during development in the rat. Am J Physiol 235(5):E451-6, Nov 78
ANIMAL/ *ANIMALS, NEWBORN, blood/ BETA-GALACTOSIDASES, metabolism/ *CORTICOSTERONE, blood/ INTESTINAL MUCOSA, enzymology/ ONTOGENY/ PROTEIN BINDING/ RATS/ SUCRASE, metabolism/ *TRANSCORTIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1581. **Henricks DM, Torrence AK:** Endogenous estradiol-17beta in bovine tissues. J Assoc Off Anal Chem 61(5):1280-3, Sep 78
ANIMAL/ CATTLE/ ENDOMETRIUM, analysis/ *ESTRADIOL, analysis/ ESTRADIOL, metabolism/ ESTRUS/ FEMALE/ KIDNEY, analysis/ LIVER, analysis/ MUSCLES, analysis/ RADIOIMMUNOASSAY/ TISSUE DISTRIBUTION

1582. **Henriksen OA, Sundsfjord JA, Nyberg-Hansen R:** Evaluation of the endocrine functions in dystrophia myotonica. Acta Neurol Scand 58(3):178-89, Sep 78
ADOLESCENCE/ ADULT/ CORTICOTROPIN, diagnostic use/ DIURNAL RHYTHM/ FEMALE/ FSH, blood/ GLUCOSE TOLERANCE TEST/ *GONADS, physiopathology/ HUMAN/ HYDROCORTISONE, blood/ HYPOTHALAMUS, physiopathology/ INSULIN, blood/ LEVODOPA, diagnostic use/ LH, blood/ MALE/ MIDDLE AGE/ MYOTONIA ATROPHICA, blood/ *MYOTONIA ATROPHICA, physiopathology/ *PITUITARY GLAND, physiopathology/ PROLACTIN, blood/ SOMATOTROPIN, blood/ *THYROID GLAND, physiopathology/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood

1583. **Henriksson C, Claes G, Gylfe E, et al:** Collagenase isolation and 45Ca efflux studies of human islets of Langerhans. Eur Surg Res 10(5):343-51, 1978
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CELL SEPARATION/ CLOSTRIDIOPEPTIDASE A/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, secretion/ *ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, pathology/ LASALOCID, pharmacodynamics/ MALE/ MIDDLE AGE/ PERFUSION

1584. **Henry JP, Ninio M:** Control of the Ca2+-triggered bioluminescence of Veretillum cynomorium lumisomes. Biochim Biophys Acta 504(1):40–59, 11 Oct 78
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CELL FRACTIONATION/ *COELENTERATA, metabolism/ KINETICS/ LUMINESCENCE/ *ORGANOIDS, metabolism/ POTASSIUM CHLORIDE, pharmacodynamics/ POTASSIUM, metabolism/ SODIUM, metabolism/ SUCROSE, pharmacodynamics

1585. **Henry PY, Vernhiet J, Orgogozo JM, et al:** Cerebral blood flow in migraine and cluster headache. Compartmental analysis and reactivity to anaesthetic depression. Res Clin Stud Headache 6:81–8, 1978
ALTHESIN, pharmacodynamics/ CARBON DIOXIDE, blood/ *CEREBROVASCULAR CIRCULATION/ CEREBROVASCULAR CIRCULATION, drug effects/ *CLUSTER HEADACHE, physiopathology/ COMPARATIVE STUDY/ DIAZEPAM, pharmacodynamics/ FENTANYL, pharmacodynamics/ HUMAN/ *MIGRAINE, physiopathology/ OXYGEN CONSUMPTION, drug effects/ *VASCULAR HEADACHE, physiopathology

1586. **Hepa J, Grabowska-Bochenek R, Niewiadomska E, et al:** Effect of a single large hydrocortisone dose on the behaviour of proteins in subcellular fractions of guinea pig liver. Endokrynol Pol 29(5):381–9, Sep-Oct 78
ANIMAL/ CELL NUCLEUS, analysis/ CYTOSOL, analysis/ GUINEA PIGS/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, pharmacodynamics/ *LIVER, analysis/ LIVER, ultrastructure/ MALE/ MITOCHONDRIA, LIVER, analysis/ *PROTEINS, analysis

1587. **Hepp KD:** Psychiatrische und neurologische Störungen bei Schilddrüsenerkrankungen. Wien Klin Wochenschr [Suppl] 90(94):14–6, 1978 (Eng. Abstr.) **(Ger)**
ADULT/ AGED/ ENGLISH ABSTRACT/ EPILEPSY, etiology/ EYE MANIFESTATIONS/ HUMAN/ HYPERTHYROIDISM, complications/ HYPOTHYROIDISM, complications/ MEMORY DISORDERS, etiology/ MIDDLE AGE/ MUSCULAR DISEASES, etiology/ NEUROLOGIC MANIFESTATIONS/ PERSONALITY DISORDERS, etiology/ *THYROID DISEASES, psychology

1588. **Herberman RB:** Overview on new immunologic markers for diagnosis of cancer. Cancer 42(3 Suppl):1595–600, Sep 78 (50 ref.)
ANTIGENS, NEOPLASM, analysis/ CELL MIGRATION INHIBITION/ HORMONES, ECTOPIC, analysis/ HUMAN/ *IMMUNOLOGIC TECHNICS/ LYMPHOCYTE TRANSFORMATION/ NEOPLASM PROTEINS, analysis/ *NEOPLASMS, diagnosis/ NEOPLASMS, immunology/ REVIEW/ SKIN TESTS

1589. **Herbert J, Stacey PM, Thorpe DH:** Recurrent breeding seasons in pinealectomized or optic-nerve-sectioned ferrets. J Endocrinol 78(3):389–97, Sep 78
ANIMAL/ *BLINDNESS/ *CARNIVORA, physiology/ COMPARATIVE STUDY/ ESTRUS/ FEMALE/ *FERRETS, physiology/ LIGHT/ PERIODICITY/ *PINEAL BODY, physiology/ *SEX BEHAVIOR, ANIMAL

1590. **Herchuelz A, Malaisse WJ:** Regulation of calcium fluxes in pancreatic islets: dissociation between calcium and insulin release. J Physiol (Lond) 283:409–24, Oct 78
ANIMAL/ BARIUM, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ CALCIUM, secretion/ FEMALE/ GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, secretion/ IPROVERATRIL, pharmacodynamics/ *ISLANDS OF LANGERHANS, metabolism/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects

1591. **Hermann B:** Narushennaia reguliatsiia aktivnosti adeniltsiklazy i guaniltsiklazy kletochnoĭ membrany kak vozmozhnyĭ faktor v kantserogeneze. Vopr Onkol 24(10):28–31, 1978 (Eng. Abstr.) **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ *CELL MEMBRANE, enzymology/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *GUANYL CYCLASE, metabolism/ HUMAN/ NEOPLASMS, enzymology/ *NEOPLASMS, etiology/ RECEPTORS, ADRENERGIC, ALPHA, metabolism/ RECEPTORS, ADRENERGIC, BETA, metabolism

1592. **Hermansen K, Iversen J:** Dual action of mn++ upon the secretion of insulin and glucagon from the isolated, perfused canine pancreas. Possible interactions with ca++. Diabetologia 15(6):475–9, Dec 78
ANIMAL/ CALCIUM, metabolism/ DOGS/ *GLUCAGON, secretion/ *INSULIN, secretion/ MAGNESIUM, metabolism/ MANGANESE, metabolism/ *MANGANESE, pharmacodynamics/ *PANCREAS, secretion/ PERFUSION/ *SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL

1593. **Herndon DN, Wilmore DW, Mason AD Jr, et al:** Humoral mediators of nontemperature-dependent hypermetabolism in 50% burned adult rats. Surg Forum 28:37–9, 1977
ANIMAL/ *BURNS, metabolism/ BURNS, physiopathology/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, physiology/ *OXYGEN CONSUMPTION/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ RATS/ TEMPERATURE

1594. **Herrenkohl LR, Politch JA:** Effects of prenatal stress on the estrous cycle of female offspring as adults. Experientia 34(9):1240–1, 15 Sep 78
ANIMAL/ *ESTRUS/ FEMALE/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ *STRESS, PSYCHOLOGICAL, physiopathology

1595. **Herschman HR, Passovoy DS, Pruss RM, et al:** Mitogens for murine embryo cell lines. J Supramol Struct 8(3):263–8, 1978
CELL LINE/ CONTACT INHIBITION, drug effects/ CULTURE MEDIA/ *EMBRYO, cytology/ EPIDERMAL GROWTH FACTORS, pharmacodynamics/ GROWTH SUBSTANCES, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ INSULIN, pharmacodynamics/ MICE/ MICE, INBRED STRAINS, embryology/ *MITOGENS/ PROSTAGLANDINS F, pharmacodynamics/ TETRADECANOYLPHORBOL ACETATE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1596. **Hershfield MS, Krodich NM:** S-adenosylhomocysteine hydrolase is an adenosine-binding protein: a target for adenosine toxicity. Science 202(4369):757–60, 17 Nov 78
*ADENOSINE DEAMINASE, deficiency/ *ADENOSINE, metabolism/ *CARRIER PROTEINS, metabolism/ FEMALE/ HUMAN/ *HYDROLASES, metabolism/ KINETICS/ LYMPHOCYTES, metabolism/ *NUCLEOSIDE DEAMINASES, deficiency/ PLACENTA, metabolism/ PREGNANCY/ S-ADENOSYLHOMOCYSTEINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1597. **Hertz R:** A review of the evidence linking estrogens and cancer in animals. Pediatrics 62(6 Pt 2):1138–42, Dec 78
ANIMAL/ COMPARATIVE STUDY/ *ESTROGENS/ FEMALE/ MALE/ *NEOPLASMS, EXPERIMENTAL, chemically induced/ ORGAN SPECIFICITY/ *PROGESTATIONAL HORMONES/ SPECIES SPECIFICITY

1598. **Hervonen A, Partanen S, Vaalasti A, et al:** The distribution and endocrine nature of the abdominal paraganglia of adult man. Am J Anat 153(4):563–72, Dec 78
*ABDOMEN/ AORTA, ABDOMINAL/ CATECHOLAMINES, metabolism/ *CHROMAFFIN SYSTEM, anatomy & histology/ FLUORESCENCE/ FORMALDEHYDE/ HUMAN/ HYDROCHLORIC ACID/ KIDNEY/ MICROSCOPY, FLUORESCENCE/ *PARAGANGLIA, CHROMAFFIN, anatomy & histology/ PARAGANGLIA, CHROMAFFIN, metabolism

1599. **Herz KC:** Autoimmunkörper bei Vitiligo. Med Klin 73(43):3, 27 Oct 78 **(Ger)**
*AUTOANTIBODIES, analysis/ HYPOPARATHYROIDISM, immunology/ MELANOCYTES/ MONILIASIS, immunology/ SKIN APPENDAGE DISEASES, immunology/

SKIN, immunology/ *VITILIGO, immunology

1600. **Hesch RD, Ebel H, Hehrmann R, et al:** Endocrinological aspects of PTH metabolism in the kidney.
Contrib Nephrol 13:104–14, 1978
ANIMAL/ HUMAN/ KIDNEY GLOMERULUS, metabolism/ KIDNEY TUBULES, metabolism/ *KIDNEY, metabolism/ KINETICS/ MICROVILLI, drug effects/ MICROVILLI, metabolism/ MOLECULAR WEIGHT/ *PARATHYROID HORMONE, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ RECEPTORS, HORMONE, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UREMIA, physiopathology

1601. **Hess J, Ermisch A:** Quantitative Auswertung von Autoradiogrammen einzelner Zellen mit dem DENSITRON II und weitere Einsatzmöglichkeiten des Gerätes.
Acta Histochem [Suppl] (Jena) 15:417–20, 1975 **(Ger)**
ANIMAL/ *AUTOMATIC DATA PROCESSING, instrumentation/ *AUTORADIOGRAPHY/ CATS/ *CELLS/ CELLS, analysis/ GOLDFISH/ HYPOTHALAMUS, cytology/ NEURONS, cytology

1602. **Hesse B, Andersen ED, Ring-Larsen H:** Hepatic elimination of renin in man. Clin Sci Mol Med 55(4):377–82, Oct 78
ADULT/ AGED/ BLOOD FLOW VELOCITY/ EXERTION/ FEMALE/ HUMAN/ LIVER, blood supply/ *LIVER, metabolism/ LYPRESSIN, diagnostic use/ MALE/ MIDDLE AGE/ RENIN, blood/ *RENIN, metabolism

1603. **Hester RK, Weiss GB, Fry WJ:** Effects of norepinephrine, dopamine and potassium on tension and 45Ca fluxes in canine and rabbit renal arteries. J Pharmacol Exp Ther 207(2):364–71, Nov 78
ANIMAL/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ DOGS/ *DOPAMINE, pharmacodynamics/ FEMALE/ IN VITRO/ MALE/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *NOREPINEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ RABBITS/ RENAL ARTERY, drug effects/ RENAL ARTERY, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1604. **Heuer LJ:** Zum Wirkungsmechanismus der Hormonund Chemotherapie beim Diabetes insipidus. Hippokrates 49(4):316–22, Nov 78 **(Ger)**
*DIABETES INSIPIDUS, drug therapy/ HUMAN/ *HYPOGLYCEMIC AGENTS, therapeutic use/ METHODS/ *VASOPRESSINS, therapeutic use

1605. **Heuwinkel R, Hofmann S, Kapp S, et al:** Spezielle Aspekte der Frakturheilung beim Schädelhirnverletzten.
Helv Chir Acta 45(4–5):581–5, Dec 78 (Eng. Abstr.) **(Ger)**
*ACID PHOSPHATASE, blood/ *ALKALINE PHOSPHATASE, blood/ BRAIN INJURIES, ACUTE, enzymology/ *BRAIN INJURIES, ACUTE, metabolism/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ HUMAN/ *PHOSPHATES, metabolism/ SKULL FRACTURES, enzymology/ *SKULL FRACTURES, metabolism/ *WOUND HEALING/ *ZINC, metabolism

1606. **Hews EA, Kime DE:** Testicular steroid biosynthesis by the green lizard Lacerta viridis. Gen Comp Endocrinol 35(4):432–5, Aug 78
*ANDROGENS, biosynthesis/ ANIMAL/ *LIZARDS, metabolism/ MALE/ PREGNENOLONE, metabolism/ *TESTIS, metabolism/ TESTOSTERONE, metabolism

1607. **Heybach JP, Vernikos-Danellis J:** The effect of pituitary-adrenal function in the modulation of pain sensitivity in the rat. J Physiol (Lond) 283:331–40, Oct 78
ADRENAL CORTEX HORMONES, physiology/ ADRENAL MEDULLA, physiology/ ADRENALECTOMY/ ANIMAL/ CORTICOTROPIN, physiology/ HYPOPHYSECTOMY/ MALE/ NEURAL CONDUCTION/ *PAIN, physiopathology/ *PITUITARY-ADRENAL SYSTEM, physiopathology/ RATS

1608. **Heyderman E, Neville AM:** Immunoperoxidase technique in routine histopathology [letter] Lancet 2(8104–5):1382, 23–30 Dec 78
FEMALE/ HUMAN/ *IMMUNOENZYME TECHNICS/ *PLACENTA, analysis/ *PLACENTAL LACTOGEN, analysis/ PREGNANCY/ STAINS AND STAINING, methods

1609. **Heywood L, Blackshaw A:** Lactate-dehydrogenase activity in the rat testis: a comparison between fluorometric assay of freeze-dried sections and histochemical localization with phenazine methosulphate. J Histochem Cytochem 26(11):967–72, Nov 78
ANIMAL/ COMPARATIVE STUDY/ FLUOROMETRY/ FREEZE DRYING/ HISTOCYTOCHEMISTRY/ *LACTATE DEHYDROGENASE, metabolism/ MALE/ *PHENAZINES, pharmacodynamics/ RATS/ *TESTIS, enzymology

1610. **Hiasa Y, Ito N, Ohshima M, et al:** Ultrastructure of an anaplastic giant-cell carcinoma found 8 years after operation on a papillary carcinoma of the thyroid. Acta Pathol Jpn 28(4):637–44, Jul 78
AGED/ *CARCINOMA, ultrastructure/ *CARCINOMA, PAPILLARY, ultrastructure/ CASE REPORT/ CYTOPLASM, ultrastructure/ FEMALE/ HUMAN/ *NEOPLASMS, MULTIPLE PRIMARY, ultrastructure/ *THYROID NEOPLASMS, ultrastructure

1611. **Hiatt RB, Goodman I:** The physiologic properties and therapeutic potential of coherin. Am J Surg 137(1):82–6, Jan 79
ANIMAL/ DOGS/ ENTERITIS, REGIONAL, drug therapy/ FOLLOW-UP STUDIES/ GASTRECTOMY/ *GASTROINTESTINAL DISEASES, drug therapy/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, SUBCUTANEOUS/ INTESTINAL OBSTRUCTION, drug therapy/ INTESTINE, SMALL, drug effects/ PEPTIDES, administration & dosage/ PEPTIDES, adverse effects/ *PEPTIDES, therapeutic use/ PITUITARY HORMONES, POSTERIOR, administration & dosage/ PITUITARY HORMONES, POSTERIOR, adverse effects/ *PITUITARY HORMONES, POSTERIOR, therapeutic use/ RECURRENCE/ TIME FACTORS

1612. **Hier DB, Wiehl AC:** Chronic hydrocephalus associated with short stature and growth hormone deficiency.
Ann Neurol 2(3):246–8, Sep 77
ADULT/ ARGININE, administration & dosage/ CASE REPORT/ CEREBRAL AQUEDUCT, radiography/ CHRONIC DISEASE/ *DWARFISM, PITUITARY, blood/ HUMAN/ HYDROCEPHALUS, blood/ *HYDROCEPHALUS, complications/ HYDROCEPHALUS, radiography/ MALE/ OPTIC ATROPHY, radiography/ PNEUMOENCEPHALOGRAPHY/ SELLA TURCICA, radiography/ *SOMATOTROPIN, deficiency

1613. **Hierholzer K:** Modes of action of diuretics.
Contrib Nephrol 14:111–7, 1978
ACETAZOLAMIDE, pharmacodynamics/ AMILORIDE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CANRENOATE POTASSIUM, pharmacodynamics/ CHLORIDES, metabolism/ COMPARATIVE STUDY/ DIURESIS, drug effects/ *DIURETICS, pharmacodynamics/ DIURETICS, THIAZIDE, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ MANNITOL, pharmacodynamics/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism/ SPIRONOLACTONE, pharmacodynamics/ TRIAMTERENE, pharmacodynamics

1614. **Higashiyama S:** [Biological activities of 3 different types of ethynodiol diacetate-ethynyl estradiol combinations (author's transl)] Nippon Funin Gakkai Zasshi 23(4):414–20, Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ DRUG COMPOUNDING/ ENGLISH ABSTRACT/ ESTROGEN ANTAGONISTS/ *ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, pharmacodynamics/ *ETHYNODIOL DIACETATE, administration & dosage/ ETHYNODIOL DIACETATE, pharmacodynamics/ FEMALE/ RABBITS/ UTERUS, drug effects

1615. **Higgins CB, Sovak M, Schmidt W, et al:** Differential accumulation of radiopaque contrast material in acute myocardial infarction. Am J Cardiol 43(1):47–51, Jan 79
ANIMAL/ *CONTRAST MEDIA, metabolism/

DIATRIZOATE, metabolism/ DOGS/ *HEART, radiography/ IODINE, blood/ IODINE, metabolism/ LIVER, metabolism/ MEGLUMINE DIATRIZOATE, metabolism/ MYOCARDIAL INFARCTION, metabolism/ *MYOCARDIAL INFARCTION, radiography/ *MYOCARDIUM, metabolism/ TIME FACTORS/ TOMOGRAPHY, COMPUTERIZED AXIAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1616. **Higgins GA, Recant L, Fischman AB:** The glucagonoma syndrome: surgically curable diabetes. Am J Surg 137(1):142–8, Jan 79
ADULT/ AGED/ ANEMIA, etiology/ BODY WEIGHT/ *DIABETES MELLITUS, etiology/ DIABETES MELLITUS, surgery/ ERYTHEMA, etiology/ FEMALE/ GLOSSITIS, etiology/ GLUCAGON, blood/ *GLUCAGON, secretion/ HUMAN/ INSULIN, blood/ INSULIN, secretion/ ISLET CELL TUMOR, diagnosis/ *ISLET CELL TUMOR, secretion/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis/ PANCREATIC NEOPLASMS, diagnosis/ *PANCREATIC NEOPLASMS, secretion/ SEX FACTORS/ SKIN MANIFESTATIONS

1617. **Highman B, Norvell MJ, Shellenberger TE:** Pathological changes in female C3H mice continuously fed diets containing diethylstilbestrol or 17beta-estradiol. J Environ Pathol Toxicol 1(1):1–30, Sep–Oct 78
ANIMAL/ CERVIX UTERI, drug effects/ DIET/ *DIETHYLSTILBESTROL, toxicity/ ENDOMETRIUM, drug effects/ *ESTRADIOL, toxicity/ FALLOPIAN TUBES, drug effects/ FEMALE/ MAMMAE, drug effects/ MICE/ MICE, INBRED C3H/ OVARY, drug effects/ UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, pathology/ UTERUS, drug effects/ VAGINA, drug effects

1618. **Higuchi T:** [Secretory patterns of the luteinizing hormone-releasing hormone in female rats (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(10):1163–86, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ FSH, secretion/ HYPOTHALAMUS, metabolism/ LH, secretion/ LH-FSH RELEASING HORMONE, immunology/ *LH-FSH RELEASING HORMONE, secretion/ OVARY, immunology/ RADIOIMMUNOASSAY/ RATS

1619. **Hilgers TW, Abraham GE, Cavanagh D:** Natural family planning. I. The peak symptom and estimated time of ovulation. Obstet Gynecol 52(5):575–82, Nov 78
ADULT/ BODY TEMPERATURE/ *CERVIX MUCUS/ CERVIX MUCUS, secretion/ ESTRADIOL, blood/ *FAMILY PLANNING/ FEMALE/ HUMAN/ LH, blood/ MENSTRUATION/ METHODS/ *OVULATION DETECTION/ PREGNANCY/ PROGESTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1620. **Hill AP, Pike MC, Smith PG, et al:** Stratified analysis of case-control studies with the factor under study taking multiple values. J Chronic Dis 31(8):547–55, 1978
ADENOMA, etiology/ ADULT/ AGED/ BREAST NEOPLASMS, radiography/ CONTRACEPTIVES, ORAL, adverse effects/ FACTOR ANALYSIS, STATISTICAL/ FEMALE/ HUMAN/ LIVER NEOPLASMS, etiology/ MAMMOGRAPHY/ MIDDLE AGE/ RISK/ *STATISTICS

1621. **Hill JT:** Misdiagnosis of testicular tumours. J R Soc Med 71(10):737–40, Oct 78
DIAGNOSTIC ERRORS/ DYSGERMINOMA, diagnosis/ HUMAN/ MALE/ ORCHITIS, diagnosis/ TERATOID TUMOR, diagnosis/ *TESTICULAR NEOPLASMS, diagnosis

1622. **Hillier K, Wallis R:** Oestrogens and the unfavourable cervix [letter] Lancet 2(8104–5):1377–8, 23–30 Dec 78
*CERVIX UTERI, drug effects/ CERVIX UTERI, metabolism/ COLLAGEN, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ HYDROXYPROLINE, metabolism/ *LABOR, INDUCED/ PREGNANCY/ *PREMEDICATION

1623. **Hinshaw LB, Beller BK, Majde JA, et al:** In vitro effects of methyprednisolone sodium succinate and E coli organisms on neutrophils in baboon blood. Circ Shock 5(3):271–8, 1978
ANIMAL/ BABOONS/ BLOOD SUGAR, metabolism/ CELL SURVIVAL, drug effects/ *ESCHERICHIA COLI/ ESCHERICHIA COLI, drug effects/ FEMALE/ IN VITRO/ MALE/ *METHYLPREDNISOLONE, pharmacodynamics/ *NEUTROPHILS, drug effects/ UNITED STATES GOV'T SUPPORTED

1624. **Hirobe T:** Stimulation of dendritogenesis in the epidermal melanocytes of newborn mice by melanocyte-stimulating hormone. J Cell Sci 33:371–83, Oct 78
ANIMAL/ ANIMALS, NEWBORN/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DENDRITES, physiology/ DENDRITES, ultrastructure/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *MELANOCYTES, drug effects/ MELANOCYTES, ultrastructure/ MICE/ MICROSCOPY, ELECTRON/ *MSH, pharmacodynamics/ SKIN/ STIMULATION, CHEMICAL

1625. **Hirsch PJ, Fergusson IL, King RJ:** Protein composition of human endometrium and its secretion at different stages of the menstrual cycle. Ann NY Acad Sci 286:233–48, 11 Mar 77
BLOOD PROTEINS, metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, metabolism/ ENDOMETRIUM, secretion/ FEMALE/ HUMAN/ IN VITRO/ *MENSTRUATION/ MENSTRUATION, FOLLICULAR PHASE/ MENSTRUATION, LUTEAL PHASE/ MOLECULAR WEIGHT/ PROGESTERONE, pharmacodynamics/ *PROTEINS, metabolism/ PROTEINS, secretion

1626. **Hirshfield AN, Midgley AR Jr:** Morphometric analysis of follicular development in the rat. Biol Reprod 19(3):597–605, Oct 78
ANIMAL/ CELL NUMBER/ ESTRUS/ FEMALE/ GRAAFIAN FOLLICLE, cytology/ *GRAAFIAN FOLLICLE, growth & development/ GRANULOSA CELLS, cytology/ HISTOLOGICAL TECHNICS/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1627. **Hirshfield AN, Midgley AR Jr:** The role of FSH in the selection of large ovarian follicles in the rat. Biol Reprod 19(3):606–11, Oct 78
ANIMAL/ ESTRUS/ FEMALE/ *FSH, pharmacodynamics/ *GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, growth & development/ *OVARY, drug effects/ OVARY, physiology/ OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1628. **Hitchcock M:** Effect of inhibitors of prostaglandin synthesis and prostaglandins E2 and F2alpha on the immunologic release of mediators of inflammation from actively sensitized guinea-pig lung. J Pharmacol Exp Ther 207(2):630–40, Nov 78
ANIMAL/ CARBAZOLES, pharmacodynamics/ FEMALE/ GUINEA PIGS/ *HISTAMINE, metabolism/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ LUNG, drug effects/ LUNG, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ SODIUM SALICYLATE, pharmacodynamics/ *SRS-A, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1629. **Hiwatari M, Taira N:** Differential effects of D 600 on release of catecholamines by acetylcholine, histamine, tyramine and by cyclic AMP from canine adrenal medulla. Jpn J Pharmacol 28(5):671–80, Oct 78
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADRENAL MEDULLA, drug effects/ *ADRENAL MEDULLA, metabolism/ ANIMAL/ CALCIUM, physiology/ *CATECHOLAMINES, metabolism/ *D 600, pharmacodynamics/ DOGS/ DRUG INTERACTIONS/ FEMALE/ HISTAMINE,

pharmacodynamics/ IN VITRO/ *IPROVERATRIL, analogs & derivatives/ MALE/ TYRAMINE, pharmacodynamics

1630. **Hochereau-de Reviers MT, Lincoln GA:** Seasonal variation in the histology of the testis of the red deer, Cervus elaphus. J Reprod Fertil 54(2):209–13, Nov 78
ANIMAL/ CELL NUMBER/ *DEER, anatomy & histology/ DEER, metabolism/ LH, blood/ MALE/ ORGAN WEIGHT/ SEASONS/ SPERMATOGENESIS/ *TESTIS, cytology/ TESTIS, metabolism/ TESTOSTERONE, metabolism

1631. **Hocman G:** Human thyroxine-binding globulin. Isolation and chemical properties--III. Some recent results and trends. Int J Biochem 9(9):639–46, 1978 (36 ref.)
ADULT/ AGE FACTORS/ AGED/ AMINO ACIDS, analysis/ CARBOHYDRATES, analysis/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FETAL BLOOD, analysis/ HUMAN/ INFANT/ INFANT, NEWBORN/ MIDDLE AGE/ PREGNANCY/ REVIEW/ *SERUM GLOBULINS/ SERUM GLOBULINS, isolation & purification/ SERUM GLOBULINS, metabolism/ *THYROXINE BINDING PROTEIN/ THYROXINE BINDING PROTEIN, isolation & purification/ THYROXINE BINDING PROTEIN, metabolism

1632. **Hodara MA, Mundt-Britto C, Haase HB:** Effects of methyltestosterone and oophorectomy in acute experimental mediocalcinosis in the rat. Rev Bras Pesqui Med Biol 11(4–5):237–40, Oct 78
ACUTE DISEASE/ ANIMAL/ AORTA, metabolism/ *AORTIC DISEASES, drug therapy/ CALCINOSIS, chemically induced/ *CALCINOSIS, drug therapy/ CALCINOSIS, physiopathology/ CALCIUM, metabolism/ *CASTRATION/ COMPARATIVE STUDY/ FEMALE/ *METHYLTESTOSTERONE, therapeutic use/ RATS/ TIME FACTORS/ *VITAMIN D, therapeutic use

1633. **Hoebel BG:** Three anorectic drugs: similar structures but different effects on brain and behavior. Int J Obes 2(2):157–66, 1978
AMPHETAMINE, therapeutic use/ ANIMAL/ *APPETITE DEPRESSANTS, therapeutic use/ *BEHAVIOR, drug effects/ BLOOD SUGAR, metabolism/ BODY WEIGHT, drug effects/ *BRAIN, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EATING, drug effects/ FENFLURAMINE, therapeutic use/ HUMAN/ HYPOTHALAMUS, drug effects/ MESENCEPHALON, drug effects/ MODELS, NEUROLOGICAL/ MONKEYS/ OBESITY, drug therapy/ PHENYLPROPANOLAMINE, therapeutic use/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ SELF STIMULATION, drug effects

1634. **Hoevels J, Ekelund L:** Arteriographische Befunde bei Nebennierenmetastasen. ROEFO 129(4):460–9, Oct 78 (Eng. Abstr.) **(Ger)**
*ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, blood supply/ AGED/ ANGIOGRAPHY/ AORTOGRAPHY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, radiography/ MALE/ METHODS/ MIDDLE AGE/ *NEOPLASM METASTASIS, radiography/ OVARIAN NEOPLASMS, radiography

1635. **Hofer E, Land H, Sekeris CE, et al:** Messenger RNA activities for two liver enzymes, tyrosine aminotransferase and tryptophan oxygenase, in Morris hepatoma 5123C and 9618A and in HTC cells. Correlation with enzyme activities. Eur J Biochem 91(1):223–9, 2 Nov 78
ANIMAL/ CELL LINE/ DEXAMETHASONE, pharmacodynamics/ *HEPATOMA, EXPERIMENTAL, enzymology/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ LIVER, enzymology/ RATS/ *RNA, MESSENGER, metabolism/ *TRANSLATION, GENETIC/ TRANSLATION, GENETIC, drug effects/ *TRYPTOPHAN OXYGENASE, biosynthesis/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism

1636. **Höffken B, Ködding R, Köhrle J, et al:** Conversion of T3 and rT3 to 3,3'-T2: pH dependency. Clin Chim Acta 90(1):45–51, 15 Nov 78
ANIMAL/ *DIIODOTHYRONINES, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ RADIOIMMUNOASSAY/ RATS/ *THYRONINES, metabolism/ *TRIIODOTHYRONINE, metabolism/ *TRIIODOTHYRONINE, REVERSE, metabolism

1637. **Hoffman PL, Ritzmann RF, Walter R, et al:** Arginine vasopressin maintains ethanol tolerance. Nature 276(5688):614–6, 7 Dec 78
ALCOHOL, ETHYL, metabolism/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ *ARGIPRESSIN, pharmacodynamics/ *BODY TEMPERATURE REGULATION, drug effects/ *DRUG TOLERANCE/ MALE/ MEMORY, drug effects/ MICE/ OXYTOCIN, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WAKEFULNESS, drug effects

1638. **Hoffman WE, Ganten U, Schelling P, et al:** The renin and isorenin-angiotensin system in rats with hereditary hypothalamic diabetes insipidus. Neuropharmacology 17(11):919–23, Nov 78
ADRENAL GLANDS, metabolism/ *ANGIOTENSIN II, metabolism/ ANIMAL/ DIABETES INSIPIDUS, familial & genetic/ *DIABETES INSIPIDUS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ *RENIN, metabolism/ VASOPRESSINS, metabolism

1639. **Hoffmann B:** Use of radioimmunoassay for monitoring hormonal residues in edible animal products. J Assoc Off Anal Chem 61(5):1263–73, Sep 78
ADIPOSE TISSUE, analysis/ ANIMAL/ CATTLE/ *HORMONES, analysis/ KIDNEY, analysis/ LIVER, analysis/ *MEAT, analysis/ MUSCLES, analysis/ *RADIOIMMUNOASSAY

1640. **Hoffmann K:** Effects of short photoperiods on puberty, growth and moult in the Djungarian hamster (Phodopus sungorus). J Reprod Fertil 54(1):29–35, Sep 78
ANIMAL/ BODY WEIGHT/ *HAIR, growth & development/ HAMSTERS, anatomy & histology/ HAMSTERS, growth & development/ *HAMSTERS, physiology/ *LIGHT/ MALE/ ORGAN WEIGHT/ PERIODICITY/ SEASONS/ *SEX MATURATION/ TESTIS, anatomy & histology/ TESTIS, growth & development

1641. **Hofmann K, Kim JJ, Finn FM:** The role of protein kinases in ACTH-stimulated steroidogenesis. Biochem Biophys Res Commun 84(4):1136–43, 30 Oct 78
ADRENAL CORTEX, enzymology/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL/ CATTLE/ *CORTICOTROPIN, pharmacodynamics/ CYTOSOL, enzymology/ HISTONE KINASE, metabolism/ ISOENZYMES, metabolism/ KINETICS/ MALE/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, metabolism/ PHOSPHORYLATION/ *PREGNENOLONE, biosynthesis/ *PROTEIN KINASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1642. **Hogan NA, Hill HR:** Enhancement of neutrophil chemotaxis and alteration of levels of cellular cyclic nucleotides by levamisole. J Infect Dis 138(4):437–44, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *CHEMOTAXIS, LEUKOCYTE/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ ESCHERICHIA COLI, immunology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ *LEVAMISOLE, pharmacodynamics/ *NEUTROPHILS, immunology/ *NUCLEOTIDES, CYCLIC, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1643. **Hogan TF, Citrin DL, Johnson BM, et al:** o,p'-DDD (mitotane) therapy of adrenal cortical carcinoma: observations on drug dosage, toxicity, and steroid replacement. Cancer 42(5):2177–81, Nov 78
ADRENAL CORTEX NEOPLASMS, blood/ *ADRENAL CORTEX NEOPLASMS, drug therapy/ ADULT/ DRUG THERAPY, COMBINATION/ FEMALE/ *GLUCOCORTICOIDS, SYNTHETIC, administration & dosage/ HUMAN/ MALE/ MIDDLE AGE/ *MINERALOCORTICOIDS, SYNTHETIC, administration & dosage/ *MITOTANE, administration

& dosage/ MITOTANE, adverse effects/ MITOTANE, blood/ REMISSION/ SLEEP STAGES, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VOMITING, chemically induced

1644. **Hogarth C, Ellar DJ:** Calcium accumulation during sporulation of Bacillus megaterium KM. Biochem J 176(1):197–203, 15 Oct 78
BACILLUS MEGATERIUM, drug effects/ *BACILLUS MEGATERIUM, metabolism/ BACILLUS MEGATERIUM, physiology/ *CALCIUM, metabolism/ KINETICS/ PICOLINIC ACIDS, pharmacodynamics/ PROTOPLASTS, metabolism/ SPORES, BACTERIAL, drug effects/ SPORES, BACTERIAL, metabolism

1645. **Hoh JF, McGrath PA, Hale PT:** Electrophoretic analysis of multiple forms of rat cardiac myosin: effects of hypophysectomy and thyroxine replacement. J Mol Cell Cardiol 10(11):1053–76, Nov 78
ANIMAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEART VENTRICLE, metabolism/ HEART, drug effects/ HYPOPHYSECTOMY/ KINETICS/ MALE/ MOLECULAR WEIGHT/ *MYOCARDIUM, metabolism/ *MYOSIN/ MYOSIN, metabolism/ RATS/ *THYROXINE, pharmacodynamics

1646. **Hohls FW, Stan HJ:** Nachweis von Trenbolonrückständen in Fleisch durch Dünnschichtchromatographie und Fluorimetrie. Z Lebensm Unters Forsch 167(4):252–5, 30 Oct 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ CATTLE/ *CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ *ESTRENES, analysis/ KIDNEY, analysis/ LIVER, analysis/ *MEAT, analysis/ *SPECTROMETRY, FLUORESCENCE/ *TRENBOLONE, analysis

1647. **Hohmeister R, Waldburger M, Hughes GR:** Lupus erythematosus disseminatus: eine Analyse des Organbefalls. Schweiz Med Wochenschr 108(46):1797–803, 18 Nov 78 (28 ref.) (Eng. Abstr.) **(Ger)**
ABORTION/ ADOLESCENCE/ ADULT/ ALOPECIA, etiology/ ANTINUCLEAR FACTORS, analysis/ ARTHRITIS, RHEUMATOID, etiology/ CHILD/ CONVULSIONS, etiology/ CYTOTOXICITY, IMMUNOLOGIC/ ENGLISH ABSTRACT/ ERYTHEMA, etiology/ ERYTHROCYTES/ FALSE POSITIVE REACTIONS/ FEMALE/ HEMIPLEGIA, etiology/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ LE CELLS/ MALE/ MIDDLE AGE/ NEUROLOGIC MANIFESTATIONS/ PHOTOSENSITIZATION, etiology/ PLEURAL EFFUSION, etiology/ PREDNISONE, therapeutic use/ PREGNANCY COMPLICATIONS/ PREGNANCY/ PROGNOSIS/ RAYNAUD'S DISEASE, etiology/ REVIEW/ SKIN MANIFESTATIONS/ SYPHILIS SERODIAGNOSIS/ URINE, cytology/ VITAL CAPACITY

1648. **Höhn KG, Wuttke WO:** Changes in catecholamine turnover in the anterior part of the mediobasal hypothalamus and the medial preoptic area in response to hyperprolactinemia in ovariectomized rats. Brain Res 156(2):241–52, 10 Nov 78
ANIMAL/ *CASTRATION/ *DOPAMINE, metabolism/ FEMALE/ FSH, blood/ *HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, MEDIAL, metabolism/ LH, blood/ MEDIAN EMINENCE, metabolism/ *NOREPINEPHRINE, metabolism/ *PREOPTIC AREA, metabolism/ *PROLACTIN, blood/ RATS

1649. **Hokama Y:** Platelet–endothelial prostaglandin biochemical imbalance in sudden infant death syndrome in the newborn: capillary endothelial cell deficiency and/or lag in maturation of prostacyclin synthetase. Med Hypotheses 4(4):303–5, Jul–Aug 78
*BLOOD PLATELETS, metabolism/ CAPILLARIES, physiopathology/ ENDOTHELIUM, physiopathology/ HUMAN/ INFANT/ PROSTAGLANDIN ENDOPEROXIDES, metabolism/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ *SUDDEN INFANT DEATH, physiopathology

1650. **Hökfelt T, Schultzberg M, Elde R, et al:** Peptide neurons in peripheral tissues including the urinary tract: immunohistochemical studies. Acta Pharmacol Toxicol (Copenh) 43(2):79–89, 1978
ANGIOTENSIN II, analysis/ *AUTONOMIC NERVOUS SYSTEM, anatomy & histology/ ENKEPHALINS, analysis/ FLUORESCENT ANTIBODY TECHNIC/ GANGLIA, AUTONOMIC, analysis/ GANGLIA, SPINAL, analysis/ GASTROINTESTINAL SYSTEM, innervation/ HUMAN/ IMMUNE SERUMS/ METHODS/ *NEURONS, analysis/ *PEPTIDES, analysis/ SUBSTANCE P, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *URINARY TRACT, innervation/ VASOACTIVE INTESTINAL PEPTIDE, analysis

1651. **Holdsworth SR, de Kretser DM, Atkins RC:** A comparison of hemodialysis and transplantation in reversing the uremic disturbance of male reproductive function. Clin Nephrol 10(4):146–50, Oct 78
ADOLESCENCE/ ADULT/ AGED/ COMPARATIVE STUDY/ FSH, blood/ *HEMODIALYSIS/ HUMAN/ IMPOTENCE, etiology/ IMPOTENCE, therapy/ KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, surgery/ KIDNEY FAILURE, CHRONIC, therapy/ *KIDNEY, transplantation/ LIBIDO/ LH, blood/ MALE/ MIDDLE AGE/ *REPRODUCTION/ SPERMATOGENESIS/ TESTOSTERONE, blood/ TRANSPLANTATION, ALLOGENEIC/ UREMIA, blood/ *UREMIA, complications

1652. **Holland JF:** Treatment of early breast cancer [letter] Lancet 2(8100):1148–9, 25 Nov 78
ADULT/ AGED/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, mortality/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, administration & dosage/ HUMAN/ LYMPHATIC METASTASIS/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ POSTOPERATIVE CARE/ PREDNISONE, administration & dosage/ TIME FACTORS/ VINCRISTINE, administration & dosage

1653. **Hollenbeck JI, Rodgers BM, Talbert JL, et al:** Bilateral granulosa cell tumors of the ovaries in infancy. J Pediatr Surg 13(6):542–3, Oct 78
CASE REPORT/ FEMALE/ GRANULOSA CELL TUMOR, pathology/ *GRANULOSA CELL TUMOR, surgery/ HUMAN/ INFANT/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, surgery/ OVARY, surgery/ UTERUS, surgery

1654. **Hollifield JW:** Biochemical consequences of diuretic therapy in hypertension. J Tenn Med Assoc 71(10):757–8, Oct 78
DIURETICS, THIAZIDE, administration & dosage/ *DIURETICS, THIAZIDE, adverse effects/ HUMAN/ HYPERCALCEMIA, chemically induced/ HYPERGLYCEMIA, chemically induced/ *HYPERTENSION, drug therapy/ HYPOKALEMIA, chemically induced/ URIC ACID, blood

1655. **Höllt V, Przewlocki R, Herz A:** beta–Endorphin–like immunoreactivity in plasma, pituitaries and hypothalamus of rats following treatment with opiates. Life Sci 23(10):1057–65, 11 Sep 78
ANIMAL/ ENDORPHINS, blood/ *ENDORPHINS, metabolism/ *HYPOTHALAMUS, metabolism/ MALE/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ *PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ RATS

1656. **Holmberg I:** D–vitaminets metabolism och dess betydelse för ben och tandvävnader. Odontol Foren Tidskr 38(4):215–30, Dec 74 **(Swe)**
*BONE AND BONES, metabolism/ CALCIUM, physiology/ FLUORINE, physiology/ HUMAN/ PERIODONTIUM, metabolism/ RICKETS/ *TOOTH, metabolism/ *VITAMIN D, physiology

1657. **Holmberg L, Lecander I, Persson B, et al:** An inhibitor from placenta specifically binds urokinase and inhibits plasminogen activator released from ovarian carcinoma in tissue culture. Biochim Biophys Acta 544(1):128–37, 15 Nov 78
ENZYME ACTIVATION/ *ENZYME INHIBITORS, metabolism/ FEMALE/ FIBRIN, metabolism/ FIBRINOLYSIN, metabolism/ GEL DIFFUSION TESTS/ HUMAN/ ISOFLUROPHATE,

pharmacodynamics/ MOLECULAR WEIGHT/ ORGAN CULTURE/ *OVARIAN NEOPLASMS, physiopathology/ *PEPTIDE PEPTIDOHYDROLASES, metabolism/ *PLACENTA, physiology/ *PLASMINOGEN, metabolism/ PREGNANCY/ UROKINASE, antagonists & inhibitors/ *UROKINASE, metabolism

1658. **Holmes RS, Jones JT, Peters J:** Genetic variation, cellular distribution and ontogeny of sorbitol dehydrogenase and alcohol dehydrogenase isozymes in male reproductive tissues of the mouse. J Exp Zool 206(2):279–88, Nov 78
*ALCOHOL OXIDOREDUCTASES, genetics/ ALLELES/ ANIMAL/ EPIDIDYMIS, enzymology/ *GENITALIA, MALE, enzymology/ HYBRIDIZATION/ *IDITOL DEHYDROGENASE, genetics/ *ISOENZYMES, genetics/ MALE/ MICE, genetics/ *MICE, metabolism/ MICE, INBRED C3H/ MICE, INBRED C57BL/ *SUGAR ALCOHOL DEHYDROGENASES, genetics/ TESTIS, enzymology/ *VARIATION (GENETICS)/ VAS DEFERENS, enzymology

1659. **Holmes SD, Dirmikis SM, Martin TJ, et al:** Effects of human thyroid-stimulating hormone and immunoglobulins on adenylate cyclase activity and the accumulation of cyclic AMP in human thyroid membranes and slices. J Endocrinol 79(1):121–30, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ COMPARATIVE STUDY/ GOITER, metabolism/ HUMAN/ IN VITRO/ *LONG-ACTING THYROID STIMULATOR, pharmacodynamics/ MEMBRANES, enzymology/ THYROID GLAND, drug effects/ THYROID GLAND, enzymology/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics

1660. **Holmes WN, Cavanaugh KP, Cronshaw J:** The effects of ingested petroleum on oviposition and some aspects of reproduction in experimental colonies of mallard ducks (Anas platyrhynchos). J Reprod Fertil 54(2):335–47, Nov 78
ANIMAL/ DUCKS/ EGGS/ FEMALE/ FERTILITY/ ORGAN WEIGHT/ OVARY, pathology/ OVIDUCTS, pathology/ *OVIPOSITION/ *PETROLEUM, toxicity/ UNITED STATES GOV'T SUPPORTED

1661. **Holmgren J, Lange S, Lönnroth I:** Reversal of cyclic AMP-mediated intestinal secretion in mice by chlorpromazine. Gastroenterology 75(6):1103–8, Dec 78
ADENYL CYCLASE, metabolism/ ANIMAL/ *CHLORPROMAZINE, pharmacodynamics/ CHOLERA TOXIN, pharmacodynamics/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENTEROTOXINS, pharmacodynamics/ ESCHERICHIA COLI/ FEMALE/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ *INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, enzymology/ INTESTINAL MUCOSA, secretion/ INTESTINE, SMALL, secretion/ MALE/ MICE/ MICE, INBRED C57BL/ PROSTAGLANDINS E, pharmacodynamics/ PROTEIN KINASE, metabolism

1662. **Holscher MA, Linnabary RL, Netsky MG, et al:** Adenoma of the pars intermedia and hirsutism in a pony. VM SAC 73(9):1197–200, Sep 78
*ADENOMA, veterinary/ ANIMAL/ CASE REPORT/ *HIRSUTISM, veterinary/ *HORSE DISEASES/ HORSES/ MALE/ *PITUITARY NEOPLASMS, veterinary

1663. **Holstein AF:** Spermatophagy in the seminiferous tubules and excurrent ducts of the testis in Rhesus monkey and in man. Andrologia 10(5):331–52, Sep-Oct 78
ANIMAL/ CYTOPLASM, ultrastructure/ EPIDIDYMIS, cytology/ EPIDIDYMIS, ultrastructure/ HUMAN/ MACROPHAGES, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ MONKEYS/ *PHAGOCYTOSIS/ RETE TESTIS, cytology/ RETE TESTIS, ultrastructure/ RHESUS MONKEYS/ SEMINIFEROUS EPITHELIUM, cytology/ SEMINIFEROUS EPITHELIUM, ultrastructure/ *SEMINIFEROUS TUBULES, cytology/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *SPERMATOZOA/ *TESTIS, cytology

1664. **Holtz W, Foote RH:** The anatomy of the reproductive system in male Dutch rabbits (Oryctolagus cuniculus) with special emphasis on the accessory sex glands. J Morphol 158(1):1–20, Oct 78
ANIMAL/ BODY WEIGHT/ BULBOURETHRAL GLANDS, anatomy & histology/ EPIDIDYMIS, anatomy & histology/ *GENITALIA, MALE, anatomy & histology/ MALE/ NOMENCLATURE/ ORGAN WEIGHT/ PROSTATE, anatomy & histology/ *RABBITS, anatomy & histology/ TESTIS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1665. **Honda T:** [Practical screening for the dysfunctional feto-placental unit during pregnancy (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(10):1125–50, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ABORTION, THREATENED, diagnosis/ ENGLISH ABSTRACT/ *ESTRIOL, urine/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ PLACENTA DISORDERS, diagnosis/ *PLACENTAL FUNCTION TESTS, methods/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY/ REAGENT KITS, DIAGNOSTIC/ UTERINE NEOPLASMS, diagnosis

1666. **Hong JS, Yang HY, Gillin JC, et al:** Chronic treatment with haloperidol accelerates the biosynthesis of enkephalins in rat striatum. Brain Res 160(1):192–5, 5 Jan 79
ANIMAL/ *CORPUS STRIATUM, metabolism/ CYCLOHEXIMIDE, pharmacodynamics/ *ENDORPHINS, biosynthesis/ *ENKEPHALINS, biosynthesis/ *HALOPERIDOL, pharmacodynamics/ HYPOTHALAMUS, metabolism/ MALE/ RATS

1667. **Hong KC, Cruess RL:** Changes in organic matrix of bone and of bone and blood ATP in rats fed rachitogenic diets. Calcif Tissue Res 25(3):241–4, 18 Aug 78
ADENOSINE TRIPHOSPHATE, blood/ *ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ *BONE AND BONES, metabolism/ CALCIUM, blood/ HEXOSAMINES, metabolism/ HYDROXYPROLINE, metabolism/ MALE/ PHOSPHOLIPIDS, metabolism/ PHOSPHORUS, blood/ RATS/ VITAMIN D DEFICIENCY, blood/ *VITAMIN D DEFICIENCY, metabolism

1668. **Honikel KO, Schmidt U, Woltersdorf W, et al:** Effect of storage and processing on tetracycline residues in meat and bones. J Assoc Off Anal Chem 61(5):1222–7, Sep 78
ANIMAL FEED/ ANIMAL/ *BONE AND BONES, analysis/ CATTLE/ DRUG STABILITY/ FOOD-PROCESSING INDUSTRY/ *MEAT, analysis/ SOLUBILITY/ SWINE/ *TETRACYCLINES, analysis/ TISSUE DISTRIBUTION

1669. **Honma KI, Hiroshige T:** Internal synchronization among several circadian rhythms in rats under constant light. Am J Physiol 235(5):R243–9, Nov 78
ANIMAL/ *BIOLOGICAL CLOCKS, radiation effects/ BODY TEMPERATURE/ *CIRCADIAN RHYTHM, radiation effects/ CORTICOSTERONE, blood/ *LIGHT/ MALE/ MOTOR ACTIVITY, physiology/ RATS

1670. **Honma KI, Hiroshige T:** Endogenous ultradian rhythms in rats exposed to prolonged continuous light. Am J Physiol 235(5):R250–6, Nov 78
ANIMAL/ BODY TEMPERATURE/ CORTICOSTERONE, blood/ *LIGHT/ MALE/ MOTOR ACTIVITY, physiology/ *PERIODICITY, radiation effects/ RATS

1671. **Honoré LH:** Testicular schistosomiasis [letter] Urology 12(4):492, Oct 78
HUMAN/ MALE/ *SCHISTOSOMIASIS/ *TESTICULAR DISEASES, etiology

1672. **Honour JW, Shackleton HL:** Differences in metabolism of corticosterone by the newborn and adult human. Biochem Soc Trans 6(4):775–8, 1978
ADULT/ ALDOSTERONE, deficiency/ *CORTICOSTERONE, urine/ HUMAN/ INFANT, NEWBORN/ *STEROID HYDROXYLASES, deficiency/ *STEROID-17-HYDROXYLASE, deficiency/ STEROIDS, urine

1673. **Hopkin DA:** Frapper fort ou frapper doucement: a gram-negative dilemma. Lancet 2(8101):1193–4, 2 Dec 78

ANIMAL/ *ANTITOXINS, administration & dosage/ BACTERIAL TOXINS, adverse effects/ *CHLORAMPHENICOL, administration & dosage/ CHLORPROMAZINE, administration & dosage/ CORTISONE, administration & dosage/ ENDOTOXINS, adverse effects/ GUINEA PIGS/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, SUBCUTANEOUS/ SALMONELLA TYPHI, drug effects/ SHOCK, SEPTIC, etiology/ SHOCK, SEPTIC, mortality/ *SHOCK, SEPTIC, prevention & control/ *TYPHOID, complications/ TYPHOID, microbiology

1674. **Hoppe J, Lawaczeck R, Rieke E, et al:** Mechanism of activation of protein kinase I from rabbit skeletal muscle. The equilibrium parameters of ligand interaction and protein dissociation. Eur J Biochem 90(3):585–93, 16 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ COMPUTERS/ ENZYME ACTIVATION/ KINETICS/ MACROMOLECULAR SYSTEMS/ *MUSCLES, enzymology/ PROTEIN BINDING/ *PROTEIN KINASE, metabolism/ RABBITS

1675. **Hoppe J, Freist W, Marutzky R, et al:** Mapping the ATP-binding site in the catalytic subunit of adenosine-3':5'-monophosphate-dependent protein kinase. Spatial relationship with the ATP site of the undissociated enzyme. Eur J Biochem 90(3):427–32, 16 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/ *ADENOSINE TRIPHOSPHATE/ ADENOSINE TRIPHOSPHATE, analogs & derivatives/ MACROMOLECULAR SYSTEMS/ PROTEIN BINDING/ *PROTEIN KINASE/ STRUCTURE-ACTIVITY RELATIONSHIP

1676. **Horii D, Kanayama T, Mori M, et al:** Vasodilation produced by prostacyclin (PGI2) and 9(O)-thiaprostacyclin (PGI2-S) in the canine femoral circulation. Eur J Pharmacol 51(3):313–6, 1 Oct 78
ANIMAL/ DOGS/ FEMALE/ FEMUR, blood supply/ HALF-LIFE/ MALE/ PAPAVERINE, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ *VASODILATOR AGENTS

1677. **Horikoshi H, Miyagawa H, Baba Y:** Effect of steroids in combination with LH-RH on the release of LH and FSH in LH-RH-primed immature male rat. Endocrinol Jpn 25(4):391–6, Aug 78
*ANDROGENS, administration & dosage/ ANIMAL/ *ESTROGENS, administration & dosage/ *FSH, blood/ *HYDROXYCORTICOSTEROIDS, administration & dosage/ INJECTIONS, INTRAVENOUS/ INJECTIONS, SUBCUTANEOUS/ *LH, blood/ *LH-FSH RELEASING HORMONE, administration & dosage/ MALE/ *PROGESTATIONAL HORMONES, administration & dosage/ RATS

1678. **Horita A, Carino MA, Lai H:** Influence of catecholamine antagonists and depletors on the CNS effects of TRH in rabbits. Prog Neuropsychopharmacol 1(1–2):107–13, 1977
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ BODY TEMPERATURE, drug effects/ *BRAIN, drug effects/ COMPARATIVE STUDY/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ PENTOBARBITAL, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ RABBITS/ *THYROTROPIN RELEASING HORMONE, antagonists & inhibitors/ TYROSINE, analogs & derivatives/ TYROSINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1679. **Horita A, Carino MA:** Analeptic and antianaleptic effects of naloxone and naltrexone in rabbits. Life Sci 23(16):1681–6, 23 Oct 78
AMPHETAMINE, pharmacodynamics/ *ANALEPTICS/ ANALEPTICS, antagonists & inhibitors/ ANESTHESIA/ ANIMAL/ MALE/ MOTOR ACTIVITY, drug effects/ *NALOXONE, analogs & derivatives/ *NALOXONE, pharmacodynamics/ *NALTREXONE, pharmacodynamics/ PENTOBARBITAL, antagonists & inhibitors/ RABBITS/ REFLEX, drug effects/ THYROTROPIN RELEASING HORMONE, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1680. **Horiuchi N:** [Activation of vitamin D and its control in the kidney] Nippon Rinsho 36(10):3319–23, Oct 78 (33 ref.) **(Jpn)**
ANIMAL/ CALCIUM, blood/ HUMAN/ HYDROXYCHOLECALCIFEROLS, metabolism/ *KIDNEY, metabolism/ PARATHYROID HORMONE, physiology/ PHOSPHORUS, blood/ REVIEW/ *VITAMIN D, metabolism

1681. **Hornstein OP:** Sexualhormone und Allgemeinkrankheiten Andrologische Aspekte. Fortschr Med 96(40):2035–43, 26 Oct 78 **(Ger)**
ANOSMIA, etiology/ CHROMOSOME ABERRATIONS/ GYNECOMASTIA, etiology/ *HYPOGONADISM/ HYPOGONADISM, physiopathology/ IMPOTENCE, etiology/ LEYDIG CELLS, physiopathology/ MENTAL RETARDATION, etiology/ SEX CHROMOSOMES/ *SEX HORMONES/ TESTOSTERONE, therapeutic use

1682. **Hornykiewicz O:** Psychopharmacological implications of dopamine and dopamine antagonists: a critical evaluation of current evidence. Neuroscience 3(9):773–83, 1978 (88 ref.)
ADENYL CYCLASE, antagonists & inhibitors/ AMPHETAMINE/ ANIMAL/ BEHAVIOR, physiology/ *BRAIN, metabolism/ CORPUS STRIATUM, physiopathology/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, metabolism/ DOPAMINE, physiology/ HUMAN/ LIMBIC SYSTEM, physiology/ PSYCHOSES, TOXIC, metabolism/ RECEPTORS, DOPAMINE, drug effects/ RETICULAR FORMATION, physiopathology/ REVIEW/ *SCHIZOPHRENIA, metabolism/ SCHIZOPHRENIA, physiopathology/ SYNAPSES, secretion/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics

1683. **Horowitz C, Lau HC, Jumawan J, et al:** Prenatal development of acid beta-glycosidases in the rat liver, effect of triiodothyronine or cortisone administered to pregnant rats. Horm Metab Res 10(5):425–8, Sep 78
ACETYLGLUCOSAMINIDASE, metabolism/ ANIMAL/ BETA-GALACTOSIDASES, metabolism/ *CORTISONE, pharmacodynamics/ FEMALE/ GLUCURONIDASE, metabolism/ *GLYCOSIDE HYDROLASES, metabolism/ *LIVER, embryology/ LIVER, enzymology/ PREGNANCY/ RATS/ *TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1684. **Horrobin DF, Karmali RA, Manku MS, et al:** A defect in thromboxane A2 synthesis may be a factor predisposing to cancer. Prostaglandins Med 1(2):175–81, Aug 78
ANIMAL/ DNA, genetics/ DNA, metabolism/ HUMAN/ MUTATION/ NEOPLASMS, etiology/ *NEOPLASMS, metabolism/ NEOPLASMS, therapy/ PROSTAGLANDINS, biosynthesis/ PSORIASIS, complications/ RADIATION INJURIES, complications/ *THROMBOXANE A2, biosynthesis/ THROMBOXANE A2, metabolism/ THROMBOXANE A2, radiation effects/ *THROMBOXANES, biosynthesis/ ULTRAVIOLET RAYS/ XERODERMA PIGMENTOSUM, complications

1685. **Horrobin DF, Karmazyn M:** The reasons for starting a new journal on prostaglandins [editorial] Prostaglandins Med 1(1):1–4, Jul 78
*PERIODICALS/ *PROSTAGLANDINS/ PUBLISHING

1686. **Horský J, Stroufová A, Herzmann J:** Longitudinální sledování exogenního účinku LH-RH na LH a FSH v séru a estradiol v plazmě v pravidelném cyklu u ženy. Cesk Gynekol 43(9):677–80, Nov 78 (Eng. Abstr.) **(Cze)**
ADULT/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ FEMALE/ FOLLOW-UP STUDIES/ *FSH, blood/ HUMAN/ *LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MENSTRUATION

1687. **Horton R, Zipser R:** Prostaglandins: renin release and renal function. Contrib Nephrol 14:87–96, 1978
ANIMAL/ BARTTER'S DISEASE, drug therapy/ BARTTER'S DISEASE, metabolism/ DOGS/ HOMEOSTASIS/ HUMAN/ INDOMETHACIN, pharmacodynamics/ INDOMETHACIN, therapeutic

use/ ISCHEMIA, metabolism/ KALLIKREIN, metabolism/ *KIDNEY DISEASES, metabolism/ KIDNEY, blood supply/ *KIDNEY, physiology/ KININS, metabolism/ LIVER DISEASES, metabolism/ NATRIURESIS/ PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, physiology/ REGIONAL BLOOD FLOW/ *RENIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1688. **Horwitz KB, McGuire WL:** Nuclear mechanisms of estrogen action. Effects of estradiol and anti-estrogens on estrogen receptors and nuclear receptor processing. J Biol Chem 253(22):8185-91, 25 Nov 78
BINDING, COMPETITIVE/ CELL LINE/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ CYTOSOL, drug effects/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ *ESTRADIOL, pharmacodynamics/ KINETICS/ NAFOXIDINE, metabolism/ *NAFOXIDINE, pharmacodynamics/ *PYRROLIDINES, pharmacodynamics/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, ESTROGEN, metabolism/ TAMOXIFEN, metabolism/ *TAMOXIFEN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1689. **Hoshi T:** [Mechanism of intestinal absorption of calcium (Ca^{2+}) and phosphorus (P)] Nippon Rinsho 36(10):3292-9, Oct 78 (23 ref.) **(Jpn)**
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CATIONS, DIVALENT/ HUMAN/ *INTESTINAL ABSORPTION/ INTESTINAL MUCOSA, metabolism/ MODELS, BIOLOGICAL/ *PHOSPHORUS, metabolism/ PROTEIN BINDING/ REVIEW/ SODIUM, metabolism/ VITAMIN D, metabolism

1690. **Hosoda S, Fujiyama Y:** [Malabsorption syndrome] Nippon Rinsho 36(10):3421-5, Oct 78 **(Jpn)**
*CALCIUM, metabolism/ HUMAN/ INTESTINAL ABSORPTION/ *MALABSORPTION SYNDROMES, metabolism/ *PHOSPHORUS, metabolism

1691. **Hosogi H, Uneki T, Takahara J, et al:** [Measurement of rat serum corticosterone using radiostereoassay kit for cortisol (author's transl)] Jikken Dobutsu 27(3):289-93, Jul 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ BINDING, COMPETITIVE/ *CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ HYDROCORTISONE, analysis/ *RADIOLIGAND ASSAY, methods/ RADIOLIGAND ASSAY, standards/ *RATS, blood/ REAGENT KITS, DIAGNOSTIC

1692. **Hosoi K, Kobayashi S, Ueha T:** Sex difference in L-glutamine D-fructose-6-phosphate aminotransferase activity of mouse submandibular gland. Biochim Biophys Acta 543(3):283-92, 18 Oct 78
ANIMAL/ *CARBOHYDRATE ISOMERASES, metabolism/ CASTRATION/ COMPARATIVE STUDY/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ *GLUCOSAMINEPHOSPHATE ISOMERASE (GLUTAMINE-FORMING), metabolism/ MALE/ MICE/ SEX HORMONES, pharmacodynamics/ *SEX/ SUBCELLULAR FRACTIONS, enzymology/ *SUBMANDIBULAR GLAND, enzymology/ SUBMANDIBULAR GLAND, growth & development/ TESTOSTERONE, pharmacodynamics

1693. **Hosojima H, Heki N:** [Clinical evaluation of thyroid functions in chronic hemodialysis patients (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(10):1187-97, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ GOITER, complications/ HEMODIALYSIS/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ KIDNEY FAILURE, CHRONIC, complications/ *KIDNEY FAILURE, CHRONIC, physiopathology/ MALE/ MIDDLE AGE/ THYROID FUNCTION TESTS/ *THYROID GLAND, physiopathology/ THYROTROPIN RELEASING HORMONE, metabolism/ THYROTROPIN, metabolism/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1694. **Hotujac L, Igic R:** Utjecaj eksprenolola i propranolola na porast plazmareninske aktivnosti izazvane fizičkim naporom štakora. Med Arh 32(1):7-11, Jan-Feb 78 (Eng. Abstr.) **(Scr)**
ANIMAL/ ENGLISH ABSTRACT/ *EXERTION/ MALE/ *OXPRENOLOL, pharmacodynamics/ *PROPRANOLOL, pharmacodynamics/ RATS/ *RENIN, blood

1695. **Houghton JB, Toghill PJ:** Myasthenia gravis and red cell aplasia. Br Med J 2(6149):1402-3, 18 Nov 78
ADRENAL CORTEX HORMONES, therapeutic use/ *ANEMIA, APLASTIC, complications/ ANEMIA, APLASTIC, drug therapy/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *MYASTHENIA GRAVIS, complications

1696. **Houslay MD, Palmer RW:** Changes in the form of Arrhenius plots of the activity of glucagon-stimulated adenylate cyclase and other hamster liver plasma-membrane enzymes occurring on hibernation. Biochem J 174(3):909-19, 15 Sep 78
*ADENYL CYCLASE, metabolism/ ANILINO NAPHTHALENESULFONATES/ ANIMAL/ *CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ GLUCAGON, pharmacodynamics/ HAMSTERS/ *HIBERNATION/ KINETICS/ *LIVER, enzymology

1697. **Houston CS:** The radiologist's opportunity to teach bone dynamics. J Can Assoc Radiol 29(4):232-8, Dec 78
ADOLESCENCE/ ADULT/ AGED/ AMPUTATION, adverse effects/ *BIOMECHANICS/ BONE AND BONES, radiography/ *BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ EDUCATION, MEDICAL/ FEMALE/ HUMAN/ IMMOBILIZATION/ MALE/ MIDDLE AGE/ MOVEMENT/ MUSCLES, physiology/ OSTEOPOROSIS, etiology/ RADIOLOGY/ TEACHING

1698. **Hove K:** Insulin secretion in lactating cows: responses to glucose infused intravenously in normal, ketonemic, and starved animals. J Dairy Sci 61(10):1407-13, Oct 78
ACETOACETATES, blood/ *ACIDOSIS, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ CATTLE/ FEMALE/ *GLUCOSE, diagnostic use/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, physiopathology/ *KETOSIS, metabolism/ *LACTATION, drug effects/ PREGNANCY/ *STARVATION, metabolism

1699. **Hove K:** Effects of hyperinsulinemia on lactose secretion and glucose uptake by the goat mammary gland. Acta Physiol Scand 104(4):422-30, Dec 78
ANIMAL/ BLOOD SUGAR, analysis/ FEMALE/ GLUCOSE, administration & dosage/ *GLUCOSE, metabolism/ GOATS/ INFUSIONS, PARENTERAL/ INSULIN, administration & dosage/ *INSULIN, blood/ *LACTOSE, secretion/ *MAMMAE, metabolism/ MAMMAE, secretion/ MAMMAE, transplantation/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ REGIONAL BLOOD FLOW/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS

1700. **Hoyos MD, Smith KA:** Contraceptive compliance in family medicine: a comparison of the family physician and the family planning clinics. J Fam Pract 7(5):961-5, Nov 78
ADOLESCENCE/ ADULT/ COITUS/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL/ *CONTRACEPTIVES, ORAL, SYNTHETIC/ *FAMILY PLANNING/ *FAMILY PRACTICE/ FEMALE/ HUMAN/ LONGITUDINAL STUDIES/ PATIENT ACCEPTANCE OF HEALTH CARE/ *PATIENT COMPLIANCE/ PHYSICIANS, FAMILY/ PREGNANCY/ PROSPECTIVE STUDIES/ RISK

1701. **Hoyumpa AM Jr, Desmond PV, Avant GR, et al:** Hepatic encephalopathy [clinical conference] Gastroenterology 76(1):184-95, Jan 79 (40 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIBIOTICS, therapeutic use/ BLOOD-BRAIN BARRIER/ BRAIN EDEMA, etiology/ BRAIN, pathology/ CASE REPORT/ CATHARTICS, therapeutic use/ CEREBROSPINAL FLUID PROTEINS, analysis/ DIET THERAPY/ DIETARY CARBOHYDRATES/ DIETARY PROTEINS/ ELECTROENCEPHALOGRAPHY/ ENEMA/ FEMALE/ *HEPATIC COMA, diagnosis/ HEPATIC COMA, etiology/ HEPATIC COMA, therapy/ HUMAN/ HYPOGLYCEMIA, therapy/ INTRACRANIAL PRESSURE/ LACTULOSE, therapeutic use/ LEVODOPA, therapeutic use/ LIVER

FUNCTION TESTS/ MIDDLE AGE/ PROGNOSIS/ REVIEW/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1702. **Hradil E, Lindström C, Möller H:** Intermittent treatment of psoriasis with clobetasol propionate.
Acta Derm Venereol (Stockh) 58(4):375–7, 1978
ADMINISTRATION, TOPICAL/ ADOLESCENCE/ ADULT/ AGED/ *BETAMETHASONE, analogs & derivatives/ *CLOBETASOL, administration & dosage/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PSORIASIS, drug therapy/ PSORIASIS, pathology

1703. **Hsü CY, Liang HM, Hsü LH:** Further evidence for decreased delta5–3beta–hydroxysteroid dehydrogenase activity in female tadpoles after estradiol treatment.
Gen Comp Endocrinol 35(4):451–4, Aug 78
ANIMAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ LARVA/ LIVER, enzymology/ *OVARY, enzymology/ PREGNENOLONE, metabolism/ *RANA CATESBEIANA, metabolism/ *3–HYDROXYSTEROID DEHYDROGENASES, antagonists & inhibitors

1704. **Hsü CY, Liang HM, Yü NW, et al:** A histochemical study of the adrenogenital syndrome in frog tadpoles.
Gen Comp Endocrinol 35(4):347–54, Aug 78
ANIMAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FROGS/ MALE/ OVARY, enzymology/ OVARY, pathology/ RANA CATESBEIANA/ *SEX DIFFERENTIATION DISORDERS, chemically induced/ SEX DIFFERENTIATION DISORDERS, enzymology/ SEX DIFFERENTIATION DISORDERS, pathology/ *SEX DIFFERENTIATION, drug effects/ TESTIS, pathology/ *3–HYDROXYSTEROID DEHYDROGENASES, antagonists & inhibitors

1705. **Hsueh CL:** Induction of hemopoiesis in rat embryonic bone transplanted into adult subcutaneous connective tissue.
Acta Med Okayama 32(4):283–91, Aug 78
ANIMAL/ BONE AND BONES, cytology/ BONE AND BONES, embryology/ *BONE AND BONES, transplantation/ BONE MARROW, cytology/ *CONNECTIVE TISSUE/ FEMALE/ *HEMATOPOIESIS/ MALE/ PREGNANCY/ RATS/ SEX CHROMOSOMES/ TRANSPLANTATION, HOMOLOGOUS

1706. **Hu JW, Dostrovsky JO, Sessle BJ:** Primary afferent depolarisation of tooth pulp afferents is not affected by naloxone. Nature 276(5685):283–4, 16 Nov 78
*ACTION POTENTIALS, drug effects/ AFFERENT PATHWAYS, drug effects/ ANIMAL/ BRAIN STEM, physiology/ CATS/ CONDITIONING (PSYCHOLOGY)/ CUSPID/ *DENTAL PULP, innervation/ ENKEPHALINS, physiology/ *NALOXONE, pharmacodynamics/ PAIN, physiopathology/ RECEPTORS, NARCOTIC, physiology

1707. **Huard M, Cornet JP, Camicas JL:** Passage transovarien du virus Dugbe chez la tique Amblyomma variegatum (Fabricius). Bull Soc Pathol Exot Filiales 71(1):19–22, Jan–Feb 78 (Eng. Abstr.) **(Fre)**
AFRICA, CENTRAL/ ANIMAL/ *ARBOVIRUS INFECTIONS, transmission/ ARBOVIRUSES, isolation & purification/ ARTHROPOD VECTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARY, microbiology/ *TICKS, microbiology

1708. **Hubbard VS, Farrell PM, di Sant'Agnese PA:** 25–Hydroxycholecalciferol levels in patients with cystic fibrosis. J Pediatr 94(1):84–6, Jan 79
*CYSTIC FIBROSIS, blood/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ VITAMIN D, administration & dosage

1709. **Huber PR, Geyer E, Küng W, et al:** Retinoic acid–binding protein in human breast cancer and dysplasia. JNCI 61(6):1375–8, Dec 78
ANIMAL/ *BREAST NEOPLASMS, metabolism/ *CARRIER PROTEINS, metabolism/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ *NEOPLASM PROTEINS, metabolism/ *PRECANCEROUS CONDITIONS, metabolism/ RATS/ TESTIS, metabolism/ *TRETINOIN, metabolism/ UTERUS, metabolism/ *VITAMIN A, analogs & derivatives

1710. **Huber SA, Lucas ZJ:** Differences in kinetic parameters of lysis by syngeneic and allogeneic T lymphocytes immune to the same tumor. J Immunol 121(6):2270–7, Dec 78
ADENOCARCINOMA, immunology/ ANIMAL/ CALCIUM, metabolism/ CELLS, CULTURED/ *CYTOTOXICITY, IMMUNOLOGIC/ FEMALE/ *IMMUNITY, CELLULAR/ KINETICS/ MAGNESIUM, metabolism/ *MAMMARY NEOPLASMS, EXPERIMENTAL, immunology/ RATS/ RATS, INBRED F344/ SPLEEN, immunology/ *T–LYMPHOCYTES, immunology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1711. **Huddart H:** Parathion– and DDT–induced effects on tension and calcium transport in molluscan visceral muscle.
Comp Biochem Physiol [C] 61C(1):1–6, 1978
ANIMAL/ *CALCIUM, metabolism/ *DDT, pharmacodynamics/ MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ *MOLLUSCA, drug effects/ MOLLUSCA, metabolism/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ *PARATHION, pharmacodynamics/ SUBCELLULAR FRACTIONS, drug effects/ SUBCELLULAR FRACTIONS, metabolism

1712. **Hüfner M, Grussendorf M:** Correlation of reverse–T3 and 3,3'–T2 (T2') plasma concentrations under physiological and experimental conditions in man.
Acta Endocrinol (Copenh) 89(4):679–86, Dec 78
ADULT/ FETAL BLOOD, analysis/ HUMAN/ INFANT, NEWBORN/ PROPYLTHIOURACIL, pharmacodynamics/ *THYROID HORMONES, blood/ THYROIDECTOMY/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE, pharmacodynamics/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, pharmacodynamics/ TRIIODOTHYRONINE, REVERSE, administration & dosage/ *TRIIODOTHYRONINE, REVERSE, blood

1713. **Hughes BP, Barritt GJ:** Effects of glucagon and N6O2'–dibutyryladenosine 3':5'–cyclic monophosphate on calcium transport in isolated rat liver mitochondria.
Biochem J 176(1):295–304, 15 Oct 78
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ *GLUCAGON, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ MAGNESIUM, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION, drug effects/ PHOSPHATES, metabolism/ RATS

1714. **Hughes RA, Newsom–Davis JM, Perkin GD, et al:** Steroids in acute polyneuropathy [letter] Lancet 2(8104–5):1383, 23–30 Dec 78
CLINICAL RESEARCH/ CORTICOTROPIN, therapeutic use/ DRUG EVALUATION/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ *POLYNEURITIS, drug therapy/ *PREDNISOLONE, therapeutic use/ RECURRENCE

1715. **Hughes WA, Coore HG:** Effect of glucagon on calcium binding by rat liver plasma membranes. Int J Biochem 9(10):751–5, 1978
ADENYL CYCLASE, metabolism/ ANIMAL/ *CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ DIABETES MELLITUS, EXPERIMENTAL, metabolism/ EGTA, pharmacodynamics/ FLUORIDES, pharmacodynamics/ *GLUCAGON, metabolism/ KINETICS/ *LIVER, metabolism/ MALE/ RATS

1716. **Hülsmann WC:** Abnormal stress reactions after feeding diets rich in (very) long–chain fatty acids: high levels of corticosterone and testosterone. Mol Cell Endocrinol 12(1):1–8, Oct 78
ANIMAL/ BLOOD SUGAR, metabolism/ *CORTICOSTERONE, blood/ *DIETARY FATS/ *FATTY ACIDS/ OILS/ RATS/ *STRESS, blood/ STRESS, chemically induced/ *TESTOSTERONE, blood

1717. **Hulugalle RS, Shetty SP, Gollapudi MG:** Galactorrhea in a man with normal testicular function. JAMA 240(23):2565, 1 Dec 78
ADULT/ CASE REPORT/ *GALACTORRHEA, etiology/ GALACTORRHEA, physiopathology/ HUMAN/ *LACTATION DISORDERS, etiology/ MALE/ *PITUITARY NEOPLASMS, complications/

PITUITARY NEOPLASMS, physiopathology/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, secretion/ SEX FACTORS/ *TESTIS, physiology

1718. **Hume DA, Weidemann MJ:** Role and regulation of glucose metabolism in proliferating cells. JNCI 62(1):3–8, Jan 79 (61 ref.)
AEROBIOSIS/ ANIMAL/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ CALCIUM, metabolism/ *CELL DIVISION/ CELL TRANSFORMATION, NEOPLASTIC/ *GLUCOSE, metabolism/ GLYCOLYSIS, drug effects/ HUMAN/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, metabolism/ MITOGENS, pharmacodynamics/ PROTEINS, biosynthesis/ RATS/ REVIEW/ SULFHYDRYL COMPOUNDS, metabolism

1719. **Hume DA, Vijayakumar EK, Schweinberger F, et al:** The role of calcium ions in the regulation of rat thymocyte pyruvate oxidation by mitogens. Biochem J 174(3):711–6, 15 Sep 78
A-23187, pharmacodynamics/ ANIMAL/ *CALCIUM, metabolism/ CATIONS, DIVALENT, pharmacodynamics/ CONCANAVALIN A, pharmacodynamics/ IN VITRO/ LYMPHOCYTES, drug effects/ *LYMPHOCYTES, metabolism/ MALE/ MITOCHONDRIA, metabolism/ *MITOGENS, pharmacodynamics/ OXIDATION-REDUCTION/ *PYRUVATES, metabolism/ RATS/ THYMUS GLAND, cytology

1720. **Hunt WE, Miller CA:** Parasellar tumors: variations on a theme. Clin Neurosurg 25:425–34, 1978
ADENOMA, radiography/ ADENOMA, surgery/ *BRAIN NEOPLASMS, radiography/ CEREBRAL ANGIOGRAPHY/ CRANIOPHARYNGIOMA, radiography/ CRANIOPHARYNGIOMA, surgery/ CUSHING'S SYNDROME, surgery/ HUMAN/ MENINGIOMA, radiography/ MENINGIOMA, surgery/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, surgery/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA/ SELLA TURCICA, surgery/ VISUAL ACUITY

1721. **Hunter BE, Boast CA, Walker DW, et al:** Ethanol dependence in the rat: role of non-specific and limbic regions in the withdrawal reaction.
Electroencephalogr Clin Neurophysiol 45(4):483–95, Oct 78
*ALCOHOLISM, physiopathology/ AMYGDALOID BODY, physiopathology/ ANIMAL/ *BRAIN, physiopathology/ CEREBRAL CORTEX, physiopathology/ DIENCEPHALON, physiopathology/ *DRUG WITHDRAWAL SYMPTOMS, physiopathology/ ELECTROENCEPHALOGRAPHY/ HIPPOCAMPUS, physiopathology/ LIMBIC SYSTEM, physiopathology/ MALE/ MESENCEPHALON, physiopathology/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1722. **Husain A, Jones CW, Day MD:** Failure of sodium loading to influence the concentration of iso-renin in rat brain.
J Endocrinol 78(3):443–4, Sep 78
ANGIOTENSIN I, blood/ ANIMAL/ *BRAIN CHEMISTRY, drug effects/ ISOENZYMES, blood/ ISOENZYMES, metabolism/ MALE/ RATS/ RENIN, blood/ *RENIN, metabolism/ *SODIUM CHLORIDE, pharmacodynamics

1723. **Husain A, Johnson IR, Birmingham AT:** A simple microassay for human tissue renin [proceedings] Br J Pharmacol 64(3):455P–456P, Nov 78
ANIMAL/ METHODS/ *RENIN, metabolism

1724. **Husami N, Idriss W, Jewelewicz R, et al:** Lack of acute effects of pyridoxine on prolactin secretion and lactation.
Fertil Steril 30(4):393–7, Oct 78
ADENOMA, secretion/ ANIMAL/ CHLORPROMAZINE, pharmacodynamics/ FEMALE/ HUMAN/ *LACTATION, drug effects/ MONKEYS/ PITUITARY NEOPLASMS, secretion/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, secretion/ *PYRIDOXINE, pharmacodynamics/ RATS/ RHESUS MONKEYS/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1725. **Husslein P, Meissner K:** Zur Problematik der Colitis ulcerosa.
Wien Med Wochenschr 128(20):650–1, 1978 **(Ger)**
COLECTOMY/ COLITIS, ULCERATIVE, drug therapy/ *COLITIS, ULCERATIVE, surgery/ COLONIC NEOPLASMS, prevention & control/ CORTISONE, therapeutic use/ FEMALE/ HUMAN/ ILEOSTOMY/ MALE/ METHODS

1726. **Hustin J:** Immunohistochemical demonstration of several tumour markers in neoplastic and preneoplastic states of the uterine mucosa. Gynecol Obstet Invest 9(1):3–15, 1978
*ALPHA FETOPROTEINS, analysis/ *CARCINOEMBRYONIC ANTIGEN, analysis/ *CASEIN, analysis/ *ENDOMETRIAL HYPERPLASIA, metabolism/ ENDOMETRIAL HYPERPLASIA, pathology/ ENDOMETRIUM, analysis/ ENDOMETRIUM, pathology/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNOENZYME TECHNICS/ MUCOUS MEMBRANE, analysis/ MUCOUS MEMBRANE, pathology/ *UTERINE NEOPLASMS, analysis/ UTERINE NEOPLASMS, pathology/ UTERUS, analysis/ UTERUS, pathology

1727. **Huston JP, Mueller CC:** Enhanced passive avoidance learning and appetitive T-maze learning with post-trial rewarding hypothalamic stimulation. Brain Res Bull 3(3):265–70, May-Jun 78
ANIMAL/ *APPETITIVE BEHAVIOR, physiology/ *AVOIDANCE LEARNING, physiology/ ELECTRIC STIMULATION/ EXTINCTION (PSYCHOLOGY), physiology/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ REACTION TIME, physiology/ RETENTION (PSYCHOLOGY), physiology/ REVERSAL LEARNING, physiology/ *REWARD

1728. **Hutchins CJ:** A sensitive hemagglutination assay of human chorionic gonadotropin in the diagnosis of ectopic pregnancy. Obstet Gynecol 52(4):499–502, Oct 78
FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ *HEMAGGLUTINATION TESTS, methods/ HUMAN/ *PREGNANCY TESTS, IMMUNOLOGIC, methods/ PREGNANCY/ PREGNANCY, ECTOPIC, diagnosis/ *PREGNANCY, ECTOPIC, urine

1729. **Hyne RV, Boettcher B:** Binding of steroids to human spermatozoa and its possible role in contraception.
Fertil Steril 30(3):322–8, Sep 78
*CONTRACEPTIVE AGENTS/ ESTRADIOL, metabolism/ FEMALE/ GLUCOSE, metabolism/ HUMAN/ MALE/ OXYGEN CONSUMPTION, drug effects/ PROGESTERONE, pharmacodynamics/ SPERM MOTILITY, drug effects/ *SPERMATOZOA, drug effects/ SPERMATOZOA, metabolism/ *STEROIDS, pharmacodynamics

1730. **Hyyppä MT, Liira J, Långvik VA:** Neuroendocrine aspects of neurology. Ann Clin Res 10(3):133–8, 1978 (36 ref.)
CIRCADIAN RHYTHM/ ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ PITUITARY HORMONE RELEASING HORMONES, cerebrospinal fluid/ *PITUITARY HORMONE RELEASING HORMONES, physiology/ *PITUITARY HORMONES, cerebrospinal fluid/ PROLACTIN, metabolism/ PSYCHOTROPIC DRUGS, pharmacodynamics/ REVIEW/ SLEEP STAGES, physiology

I

1731. **Iancu TC, Almagor G, Friedman E, et al:** Chronic familial hyperphosphatasemia. Radiology 129(3):669–76, Dec 78
BONE AND BONES, metabolism/ BONE AND BONES, radionuclide imaging/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ COLLAGEN, metabolism/ FEMALE/ HUMAN/ *HYPOPHOSPHATEMIA, FAMILIAL, radiography/ HYPOPHOSPHATEMIA, FAMILIAL, radionuclide imaging/ MALE

1732. **Ianushevskaia MI, Nekrasova IV, Dontsova GV, et al:** Sravnitel'noe issledovanie vliianiia geterotsiklicheskikh proizvodnykh aminoalkilizotiomochevin na radiochuvstvitel'nost' zhivotnogo organizma i kletki.
Radiobiologiia 18(5):755–7, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BONE MARROW, drug effects/ BONE MARROW, radiation effects/ COLONY-FORMING

UNITS ASSAY/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ IN VITRO/ MALE/ MICE/ MICE, INBRED CBA/ MICE, INBRED C57BL/ *RADIATION TOLERANCE/ *THIAZINES, pharmacodynamics/ *THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics

1733. **Ibadov Ilu:** Klinika i terapiia gastrogennoĭ tetanii. Vestn Khir 121(10):43–5, Oct 78 (Eng. Abstr.) **(Rus)**
ADULT/ CHRONIC DISEASE/ EMACIATION, complications/ ENGLISH ABSTRACT/ FEMALE/ GASTRECTOMY/ HUMAN/ MALE/ MIDDLE AGE/ PYLORIC STENOSIS, complications/ *STOMACH DISEASES, etiology/ STOMACH DISEASES, surgery/ STOMACH ULCER, complications/ *TETANY, etiology/ TETANY, surgery

1734. **Ichikizaki K, Toya S, Shiga H, et al:** [Orbital CT scan findings in malignant exophthalmos (author's transl)] No To Shinkei 30(9):985–93, Sep 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ EXOPHTHALMOS, physiopathology/ *EXOPHTHALMOS, radiography/ EYE MOVEMENTS/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *ORBIT, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ VISION DISORDERS, physiopathology

1735. **Icli F, Ezdinli EZ, Costello W, et al:** Diffuse well-differentiated lymphocytic lymphoma (DLWD): response and survival. Cancer 42(4):1936–42, Oct 78
AGED/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CARMUSTINE, therapeutic use/ CELL DIFFERENTIATION/ CHLORAMBUCIL, therapeutic use/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LYMPHOCYTOSIS, drug therapy/ *LYMPHOSARCOMA, drug therapy/ LYMPHOSARCOMA, pathology/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PROGNOSIS/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, therapeutic use

1736. **Idler DR, Shamsuzzaman KM, Burton MP:** Isolation of prolactin from salmon pituitary. Gen Comp Endocrinol 35(4):409–18, Aug 78
AMINO ACIDS, analysis/ ANIMAL/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ ISOELECTRIC POINT/ MOLECULAR WEIGHT/ *PITUITARY GLAND, analysis/ *PROLACTIN, analysis/ *PROLACTIN, isolation & purification/ *SALMON, physiology/ SPECIES SPECIFICITY

1737. **Igarashi M:** [Mechanism of Ca and P transport in the bone] Nippon Rinsho 36(10):3300–3, Oct 78 **(Jpn)**
ANIMAL/ BIOLOGICAL TRANSPORT/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ HUMAN/ *PHOSPHORUS, metabolism

1738. **Iglesias J, Díaz JL, Otero Raíces J, et al:** Nuestra experiencia en la aplicación de diversas enzimas en cáncer de O.R.L. y tiroides. An Otorrinolaringol Ibero Am 5(3):365–76, 1978 (Eng. Abstr.) **(Spa)**
ENGLISH ABSTRACT/ HUMAN/ *LARYNGEAL NEOPLASMS, enzymology/ *NASOPHARYNGEAL NEOPLASMS, enzymology/ NEOPLASM STAGING/ *THYROID NEOPLASMS, enzymology

1739. **Iida K, Shirai D, Fukuhara Y:** [Case of isolated aldosterone deficiency] Nippon Rinsho 36(8):2992–8, Aug 78 **(Jpn)**
AGED/ *ALDOSTERONE, deficiency/ CASE REPORT/ FEMALE/ HUMAN/ HYPERKALEMIA, complications/ RENIN, blood

1740. **Ikeda H:** [The influence of hyper-free fatty acidemia to thyroid function determined by methods utilizing thyroxine binding proteins (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1016–29, 20 Sep 78 **(Jpn)**
DEXTRANS, administration & dosage/ DEXTRANS, diagnostic use/ *FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ *PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, physiopathology/ *THYROID HORMONES, blood/ THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood

1741. **Ikeda I:** [Regulation of maternal and fetal adrenocortical function on placental steroid production: effect of intravenous infusion of ACTH on plasma concentrations of ACTH, cortisol, progesterone, and unconjugated estradiol and estriol during late pregnancy and labor (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(8):921–38, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
*ADRENAL CORTEX, physiology/ ANENCEPHALY, physiopathology/ CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ ESTRIOL, blood/ FEMALE/ FETAL BLOOD, analysis/ *FETUS, physiology/ HUMAN/ HYDROCORTISONE, blood/ INFANT, NEWBORN/ *LABOR/ PLACENTAL HORMONES, biosynthesis/ *PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ PROGESTERONE, blood

1742. **Ikeda K, Nakae S, Mahara F, et al:** [Treatment of myxoedema heart using implantable cardiac pacemaker (author's transl)] Kyobu Geka 31(12):946–8, Dec 78 (Eng. Abstr.) **(Jpn)**
*CARDIAC PACING, ARTIFICIAL/ CASE REPORT/ ENGLISH ABSTRACT/ *HEART DISEASES, therapy/ HUMAN/ MALE/ MIDDLE AGE/ *MYXEDEMA, therapy

1743. **Imai S, Katano Y, Nakazawa M, et al:** The effects of norepinephrine on the release of cyclic AMP by the isolated perfused heart of the guinea pig. Life Sci 23(15):1609–17, 16 Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FEMALE/ GUINEA PIGS/ HEART RATE, drug effects/ IN VITRO/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ *MYOCARDIUM, metabolism/ *NOREPINEPHRINE, pharmacodynamics

1744. **Imanishi S, McAllister RG Jr, Surawicz B:** The effects of verapamil and lidocaine on the automatic depolarizations in guinea-pig ventricular myocardium. J Pharmacol Exp Ther 207(2):294–303, Nov 78
ANIMAL/ CALCIUM, metabolism/ GUINEA PIGS/ *HEART CONDUCTION SYSTEM, drug effects/ IN VITRO/ *IPROVERATRIL, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ MEMBRANE POTENTIALS

1745. **Immelman EJ, Funston MR, Goldin AR:** Renovascular hypertension in neurofibromatosis. S Afr J Surg 16(2):167–75, Jun 78
ADOLESCENCE/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, etiology/ KIDNEY NEOPLASMS, complications/ MALE/ *NEUROFIBROMATOSIS, complications/ PHEOCHROMOCYTOMA, complications/ RENAL ARTERY STENOSIS, complications/ SKIN NEOPLASMS, complications

1746. **Imrie CW, Beastall GH, Allam BF, et al:** Parathyroid hormone and calcium homeostasis in acute pancreatitis. Br J Surg 65(10):717–20, Oct 78
ACUTE DISEASE/ *CALCIUM, blood/ HOMEOSTASIS/ HUMAN/ *PANCREATITIS, blood/ *PARATHYROID HORMONE, blood

1747. **In der Maur GA, van der Vegt JH:** The angiographic visualisation of a cervical lymph node. ROEFO 129(4):520–1, Oct 78
ADULT/ *ANGIOGRAPHY, methods/ CASE REPORT/ HUMAN/ HYPERPARATHYROIDISM, radiography/ LYMPH NODES, pathology/ *LYMPH NODES, radiography/ MALE/ NECK

1748. **Irisawa H:** General comments: ionic currents underlying spontaneous rhythm of the cardiac primary pacemaker cells. pp. 368–75.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.
ACTION POTENTIALS, drug effects/ ANIMAL/ CALCIUM, metabolism/ *CALCIUM, physiology/ CHLORIDES, metabolism/ *CHLORIDES, physiology/ ELECTROCARDIOGRAPHY/ FROGS/ MEMBRANE POTENTIALS, drug effects/ MICROELECTRODES/ MONOGRAPH/ OUABAIN, pharmacodynamics/ PERFUSION/ POTASSIUM, metabolism/ *POTASSIUM, physiology/ PURKINJE FIBERS, metabolism/ PURKINJE FIBERS, physiology/ RABBITS/ SINOATRIAL NODE, drug effects/ SINOATRIAL NODE, metabolism/ *SINOATRIAL NODE, physiology/ SODIUM, metabolism/ *SODIUM, physiology/ TETRODOTOXIN, pharmacodynamics

1749. **Irvin GL 3d, Torres IJ:** Hypercalcemic crisis in primary hyperparathyroidism. J Fla Med Assoc 65(11):883-6, Nov 78
HYPERCALCEMIA, diagnosis/ *HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, surgery

1750. **Irwin RS, Corrao WM:** Sarcoidosis. Primary Care 5(3):447-64, Sep 78
ADULT/ BIOPSY/ CALCIUM, blood/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GRANULOMA, pathology/ HUMAN/ HYPERSENSITIVITY, DELAYED, immunology/ KVEIM TEST/ LUNG, pathology/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS/ *SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, immunology/ SARCOIDOSIS, pathology

1751. **Isaacs AJ, Havard CW:** Effect of piperazine oestrone sulphate on serum oestrogen and gonadotrophin levels in post-menopausal women. Clin Endocrinol (Oxf) 9(4):297-302, Oct 78
*CLIMACTERIC, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, blood/ *ESTRONE, analogs & derivatives/ ESTRONE, blood/ ESTRONE, pharmacodynamics/ ESTRONE, therapeutic use/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ MIDDLE AGE/ PIPERAZINES

1752. **Isarangkura M, Bhongvej S, Bunnag S:** Adrenal insufficiency in newborn infant born of a mother who received corticosteroid throughout pregnancy. J Med Assoc Thai 61(11):647-50, Nov 78
*ADRENAL GLAND HYPOFUNCTION, chemically induced/ ADRENAL GLAND HYPOFUNCTION, drug therapy/ ADULT/ CASE REPORT/ CORTICOTROPIN, adverse effects/ CORTICOTROPIN, therapeutic use/ *CUSHING'S SYNDROME, drug therapy/ HUMAN/ *HYDROCORTISONE, adverse effects/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, chemically induced/ INFANT, NEWBORN, DISEASES, drug therapy/ INJECTIONS, INTRAMUSCULAR/ MALE/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY

1753. **Ishii T, Sternby NH:** Pathology of centenarians. III. Osseous system, malignant lesions, and causes of death. J Am Geriatr Soc 26(12):529-33, Dec 78
AGE FACTORS/ AGED/ AUTOPSY/ *BONE AND BONES, pathology/ FEMALE/ HEART DISEASES, mortality/ HUMAN/ KYPHOSIS, occurrence/ MALE/ *MORTALITY/ *NEOPLASMS, occurrence/ NEOPLASMS, pathology/ OSTEOPOROSIS, occurrence/ *OSTEOPOROSIS, pathology/ PNEUMONIA, mortality/ PROSTATIC NEOPLASMS, occurrence/ SCOLIOSIS, occurrence/ SWEDEN

1754. **Ishikawa K, Kanno T:** Influences of extracellular calcium and potassium concentrations on adrenaline release and membrane potential in the perfused adrenal medulla of the rat. Jpn J Physiol 28(3):275-89, 1978
*ADRENAL MEDULLA, physiology/ ADRENAL MEDULLA, secretion/ ANIMAL/ *CALCIUM, pharmacodynamics/ *EPINEPHRINE, secretion/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ *POTASSIUM, pharmacodynamics/ RATS

1755. **Ishikawa M, Fuchs AR:** Electrical and mechanical activity of rat uterus in vivo during the estrous cycle. Am J Obstet Gynecol 132(6):611-9, 15 Nov 78
ACTION POTENTIALS/ ANIMAL/ DIESTRUS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTROMYOGRAPHY/ EPINEPHRINE, pharmacodynamics/ ESTROGENS, blood/ *ESTRUS/ FEMALE/ NOREPINEPHRINE, pharmacodynamics/ OXYTOCIN, pharmacodynamics/ PRESSURE/ PROESTRUS/ PROGESTERONE, blood/ RATS/ *UTERINE CONTRACTION/ UTERINE CONTRACTION, drug effects/ UTERUS, drug effects/ *UTERUS, physiology

1756. **Ishimura K, Okamoto H, Fujita H:** Freeze-etching images of capillary endothelial pores in the liver, thyroid and adrenal of the mouse. Arch Histol Jpn 41(2):187-93, Apr 78
*ADRENAL GLANDS, blood supply/ ANIMAL/ CAPILLARIES, ultrastructure/ ENDOTHELIUM, ultrastructure/ *FREEZE ETCHING/ *LIVER, blood supply/ MICE/ *THYROID GLAND, blood supply

1757. **Ishizaki T, Tawara K, Oyama Y, et al:** Clinical pharmacologic observations on timolol. II. Antihypertensive effect and kinetic disposition on twice-daily dosing in patients with mild or moderate hypertension. J Clin Pharmacol 18(11-12):519-29, Nov-Dec 78
ADULT/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ FUROSEMIDE, diagnostic use/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ KINETICS/ MALE/ MIDDLE AGE/ *PROPANOLAMINES, therapeutic use/ RENIN, blood/ TIME FACTORS/ TIMOLOL, administration & dosage/ TIMOLOL, metabolism/ *TIMOLOL, therapeutic use

1758. **Ishizawa M, Miyazaki E:** Prostaglandin F2alpha (PGF2alpha)-induced contraction and calcium movement in longitudinal muscle of guinea-pig isolated stomach. Prostaglandins 16(4):591-7, Oct 78
ANIMAL/ *CALCIUM, metabolism/ GUINEA PIGS/ *IPROVERATRIL, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ POTASSIUM, pharmacodynamics/ PROSTAGLANDINS F, antagonists & inhibitors/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ *STOMACH, drug effects/ STOMACH, metabolism

1759. **Israel Y, Walfish PG, Orrego H, et al:** Thyroid hormones in alcoholic liver disease. Effect of treatment with 6-n-propylthiouracil. Gastroenterology 76(1):116-22, Jan 79
HUMAN/ LIVER DISEASES, ALCOHOLIC, blood/ *LIVER DISEASES, ALCOHOLIC, drug therapy/ LIVER DISEASES, ALCOHOLIC, physiopathology/ PLACEBOS/ PROGNOSIS/ PROPYLTHIOURACIL, administration & dosage/ PROPYLTHIOURACIL, adverse effects/ *PROPYLTHIOURACIL, therapeutic use/ THYROID GLAND, physiopathology/ THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1760. **Itagaki E, Arisawa M, Hosoya T:** Chemical and physical characterization of submolecular proteins of porcine thyroglobulin. J Biochem (Tokyo) 84(3):597-606, Sep 78
AMINO ACIDS, analysis/ ANIMAL/ CARBOHYDRATES, analysis/ CHEMISTRY/ MOLECULAR WEIGHT/ PROTEINS, immunology/ *PROTEINS, isolation & purification/ SWINE/ *THYROGLOBULIN/ THYROGLOBULIN, immunology/ THYROID GLAND, analysis/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

1761. **Ito A, Yanagihara K, Matsuda M:** Cellular injury of adrenocorticotropic pituitary tumor (AtT-20) by corticosteroid in mice. Gan 69(4):525-31, Aug 78
*ADENOMA, secretion/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENALECTOMY/ ANIMAL/ *CORTICOTROPIN, secretion/ FEMALE/ MALE/ MICE/ NECROSIS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, secretion/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ *PITUITARY NEOPLASMS, secretion

1762. **Ito J:** [Neuroradiological diagnosis of third and para-third ventricular tumors--Part 2. Tumors developing within the third ventricle and tumors invading mainly the anterior portion of the third ventricle (2) (author's transl)] Neurol Med Chir (Tokyo) 18(9 Pt 2):681-91, Oct 78 **(Jpn)**
*ADENOMA, radiography/ ADOLESCENCE/ CASE REPORT/ *CEREBRAL ANGIOGRAPHY/ *CEREBRAL VENTRICLE NEOPLASMS, radiography/ CHILD/ *CRANIOPHARYNGIOMA, radiography/ FEMALE/ HUMAN/ MALE/ *PITUITARY NEOPLASMS, radiography

1763. **Ito J:** [Neuroradiological diagnosis of third and para-third ventricular tumors.--Part 2. Tumors developing within the third ventricle and tumors invading mainly the anterior portion of the third ventricle (1) (author's transl)] Neurol Med Chir (Tokyo) 18(7 Pt 2):595-608, Sep 78 **(Jpn)**
CASE REPORT/ *CEREBRAL ANGIOGRAPHY/

*CEREBRAL VENTRICLE NEOPLASMS, radiography/ CHILD/ CHILD, PRESCHOOL/ *CHOROID PLEXUS/ *DYSGERMINOMA, radiography/ FEMALE/ HUMAN/ INFANT/ MALE/ *PAPILLOMA, radiography/ TOMOGRAPHY, COMPUTERIZED AXIAL/ VENTRICULOGRAPHY, CEREBRAL

1764. **Itoh T, Abe K, Irokawa N, et al:** [The influence of aging on renin release stimulated by furosemide and upright posture in essential hypertension (author's transl)]
Nippon Jinzo Gakkai Shi 20(9):991-7, Sep 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ *AGING/ ENGLISH ABSTRACT/ FEMALE/ *FUROSEMIDE, administration & dosage/ HUMAN/ *HYPERTENSION, physiopathology/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ POSTURE/ *RENIN, blood

1765. **Ivanov EV, Ponomareva TV, Merkushev GN, et al:** Radioprotektory kozhi. Med Radiol (Mosk) 23(11):49-58, Nov 78 (78 ref.) **(Rus)**
ANIMAL/ AET, pharmacodynamics/ CYSTEAMINE, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ DRUG COMBINATIONS/ HORMONES, pharmacodynamics/ HUMAN/ LACTOBACILLUS ACIDOPHILUS/ MUCOPOLYSACCHARIDES, pharmacodynamics/ PROTEASE INHIBITORS, pharmacodynamics/ RADIATION PROTECTION, methods/ RADIATION TOLERANCE/ RADIATION-PROTECTIVE AGENTS, administration & dosage/ *RADIATION-PROTECTIVE AGENTS, pharmacodynamics/ RADIATION-PROTECTIVE AGENTS, therapeutic use/ RADIODERMATITIS, drug therapy/ RADIODERMATITIS, prevention & control/ REVIEW/ *SKIN, radiation effects/ VITAMINS, pharmacodynamics/ WR 2721, pharmacodynamics

1766. **Ivanova EA:** Pogloshchenie testosterona-1 al'fa, 2 al'fa-3H(n) tkaniami organov-misheneĭ u zarodysheĭ krolikov in vitro. Ontogenez 9(6):627-32, 1978 (Eng. Abstr.) **(Rus)**
ABSORPTION/ ANIMAL/ CELL DIFFERENTIATION/ *EMBRYO, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ IN VITRO/ MALE/ PREGNANCY/ RABBITS/ *TESTOSTERONE, metabolism/ TRITIUM/ UROGENITAL SYSTEM, embryology

1767. **Ivchenko IuB, Kuklina AA:** Nabliudenie éktopicheskoĭ timomy v korne legkogo. Grudn Khir (6):106, Nov-Dec 78 **(Rus)**
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *LUNG NEOPLASMS, pathology/ *THYMOMA, pathology/ *THYMUS NEOPLASMS, pathology

1768. **Iversen LL, Nicoll RA, Vale WW:** Neurobiology of peptides. Neurosci Res Program Bull 16(2):209-370, Jun 78 (448 ref.)
ANIMAL/ BEHAVIOR, drug effects/ BEHAVIOR, physiology/ BRAIN CHEMISTRY/ CENTRAL NERVOUS SYSTEM, metabolism/ ENDORPHINS, physiology/ ENKEPHALINS, physiology/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *NERVOUS SYSTEM, physiology/ NEUROTENSIN, physiology/ OXYTOCIN, biosynthesis/ PEPTIDES, pharmacodynamics/ *PEPTIDES, physiology/ PITUITARY HORMONE RELEASING HORMONES, physiology/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ RATS/ RECEPTORS, DRUG, analysis/ REVIEW/ SUBSTANCE P, biosynthesis/ SUBSTANCE P, physiology/ VASOPRESSINS, biosynthesis

1769. **Ivey JL, Morey ER, Baylink DJ:** The effects of phosphate depletion on bone. Adv Exp Med Biol 103:373-80, 1978
ANIMAL/ BONE AND BONES, anatomy & histology/ *BONE AND BONES, metabolism/ BONE DEVELOPMENT/ BONE RESORPTION/ CALCIUM, blood/ CALCIUM, metabolism/ DIHYDROXYCHOLECALCIFEROLS, blood/ MALE/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ *PHOSPHATES, deficiency/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN D, physiology

1770. **Ivic M, Klisic L:** A histochemical demonstration of the Na+ + K+-ATPase activity in the thyroid and the effect of cyclic adenosine monophosphate (c-AMP). Experientia 34(11):1513-4, 15 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ GUINEA PIGS/ MALE/ THYROID GLAND, drug effects/ *THYROID GLAND, enzymology

1771. **Iwamatsu T:** Studies on oocyte maturation of the medaka, Oryzias latipes. VI. Relationship between the circadian cycle of oocyte maturation and activity of the pituitary gland.
J Exp Zool 206(3):355-63, Dec 78
ANIMAL/ CIRCADIAN RHYTHM/ FEMALE/ *FISHES, physiology/ GONADOTROPINS, EQUINE, pharmacodynamics/ HYPOPHYSECTOMY/ LIGHT/ *OOGENESIS/ OOGENESIS, drug effects/ OVIPOSITION, drug effects/ OVULATION, drug effects/ *PITUITARY HORMONES, pharmacodynamics

1772. **Iynedjian PB, Hanson RW:** Partial purification and characterization of rat-liver messenger RNA coding for phosphoenolpyruvate carboxykinase (GTP).
Eur J Biochem 90(1):123-30, 15 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CHROMATOGRAPHY, AFFINITY/ GUANOSINE TRIPHOSPHATE/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ *PHOSPHOENOLPYRUVATE CARBOXYKINASES, biosynthesis/ PHOSPHOENOLPYRUVATE CARBOXYKINASES, isolation & purification/ RATS/ *RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1773. **Izaki S:** Plasminogen activator release with experimental vasoconstrictions in the isolated perfused dog leg.
Kobe J Med Sci 24(1):1-16, Mar 78
ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ DOGS/ FEMALE/ IN VITRO/ *LEG, blood supply/ MALE/ *PLASMINOGEN ACTIVATORS, metabolism/ SEROTONIN, pharmacodynamics/ *VASOCONSTRICTION, drug effects/ VASOPRESSINS, pharmacodynamics

1774. **Izquierdo JA, Savini C, Borghi E, et al:** Role of ACTH on the effect of medroxyprogesterone in brain stem serotonin.
Pharmacol Res Commun 10(7):643-56, Jul 78
ADRENALECTOMY/ ANIMAL/ BRAIN STEM, drug effects/ *BRAIN STEM, metabolism/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, physiology/ FASTING/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ *MEDROXYPROGESTERONE, pharmacodynamics/ MONOAMINE OXIDASE, metabolism/ RATS/ *SEROTONIN, metabolism/ TRYPTOPHAN, metabolism

1775. **Izumi H:** [Histological study of pancreatic islets in hypothalamic obese rats (author's transl)]
Nippon Naibunpi Gakkai Zasshi 54(7):876-90, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ BLOOD SUGAR, metabolism/ ENGLISH ABSTRACT/ HYPERINSULINISM, etiology/ HYPERINSULINISM, pathology/ *HYPOTHALAMUS, physiology/ INSULIN, blood/ *ISLANDS OF LANGERHANS, pathology/ ISLANDS OF LANGERHANS, ultrastructure/ MALE/ OBESITY, etiology/ *OBESITY, pathology/ RATS

1776. **Izumi K, Butterworth RF, Tunnicliff G, et al:** Possible serotonin-agonist action of veratramine. Brain Res Bull 3(3):237-10, May-Jun 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLUTAMATE DECARBOXYLASE, metabolism/ GABA, metabolism/ MALE/ METHYSERGIDE, pharmacodynamics/ MICE/ MOTOR ACTIVITY, drug effects/ NEURAL TRANSMISSION, drug effects/ *RECEPTORS, SEROTONIN, drug effects/ *SEROTONIN, metabolism/ *VERATRUM ALKALOIDS, pharmacodynamics

J

1777. **Jach J:** Rola prostaglandyn w fizjopatologii skóry.

Przegl Dermatol 65(6):715-21, Nov-Dec 78 **(Pol)**
HUMAN/ PROSTAGLANDINS, classification/ PROSTAGLANDINS, immunology/ *PROSTAGLANDINS, physiology/ *SKIN DISEASES, physiopathology/ *SKIN, physiopathology

1778. **Jackowski MM, Tepperman HM, Tepperman J:** The concentration of cyclic AMP and the activity of cyclic AMP dependent protein kinase and an inhibitor in the adipose tissue of rats fed lard or glucose diets. J Cyclic Nucleotide Res 4(4):323-33, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, metabolism/ ANIMAL/ *DIETARY CARBOHYDRATES, metabolism/ *DIETARY FATS, metabolism/ ENZYME ACTIVATION, drug effects/ MALE/ PROTEIN KINASE, antagonists & inhibitors/ *PROTEIN KINASE, metabolism/ RATS/ SODIUM CHLORIDE, pharmacodynamics

1779. **Jackson IM, Papapetrou PD, Hills JR, et al:** Hypothalamic hypothyroidism causing spastic paraplegia: recovery following thyroid medication. Ann Neurol 3(5):458-61, May 78
BRAIN DISEASES, complications/ BRAIN DISEASES, therapy/ CASE REPORT/ DIABETES INSIPIDUS, complications/ FEMALE/ HUMAN/ *HYPOTHALAMUS/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ HYPOTHYROIDISM, etiology/ MIDDLE AGE/ MUSCLE SPASTICITY, etiology/ MUSCLE SPASTICITY, therapy/ *PARAPLEGIA, etiology/ PARAPLEGIA, therapy/ THYROXINE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1780. **Jackson SA, Cartwright AG, Lewis D:** The morphology of bone mineral crystals. Calcif Tissue Res 25(3):217-22, 18 Aug 78
ANIMAL/ *BONE AND BONES, ultrastructure/ CATTLE/ HUMAN/ IMAGE ENHANCEMENT, methods/ MICROSCOPY, ELECTRON/ *MINERALS/ MOLECULAR CONFORMATION/ RABBITS/ X-RAY DIFFRACTION

1781. **Jacobelli S, Sica G, Ranelletti F, et al:** An assessment of the effects of steriod hormones and antiestrogens on short-term organ culture of human endometrial carcinoma. Eur J Cancer 14(9):931-8, Sep 78
AGED/ CALUSTERONE, therapeutic use/ DRUG SCREENING, methods/ DNA, NEOPLASM, biosynthesis/ ESTRADIOL, therapeutic use/ ESTROGEN ANTAGONISTS, therapeutic use/ FEMALE/ *HORMONES, therapeutic use/ HUMAN/ MIDDLE AGE/ NITROMIFENE, therapeutic use/ ORGAN CULTURE/ PREGNENEDIONES, therapeutic use/ *STEROIDS, therapeutic use/ THYMIDINE, metabolism/ *UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, metabolism/ UTERINE NEOPLASMS, pathology

1782. **Jacobi GH:** Hodentumoren: Neuere endokrinologische und klinische Ergebnisse. Urologe [A] 17(6):399-401, Nov 78 **(Ger)**
ALKALINE PHOSPHATASE, analysis/ ANDROGENS, metabolism/ CARCINOEMBRYONIC ANTIGEN, analysis/ CONGRESSES/ DISTRICT OF COLUMBIA/ DYSGERMINOMA, therapy/ ESTROGENS, secretion/ GONADOTROPINS, secretion/ HUMAN/ MALE/ NEOPLASM STAGING/ PLACENTAL LACTOGEN, analysis/ *TESTICULAR NEOPLASMS

1783. **Jacobi JM, Lloyd HM:** Prolactin clearance rates in male rats. Horm Metab Res 10(5):451-2, Sep 78
ANIMAL/ LEVODOPA, pharmacodynamics/ MALE/ METABOLIC CLEARANCE RATE, drug effects/ PROLACTIN, blood/ *PROLACTIN, metabolism/ RATS/ 2-BROMOERGOCRYPTINE, pharmacodynamics

1784. **Jacobs MM:** Studies on ovarian and uterine weight responses to follicle stimulating hormone. Tex Rep Biol Med 36:121-32, 1978
ANIMAL/ DRUG INTERACTIONS/ FEMALE/ FSH, administration & dosage/ *FSH, pharmacodynamics/ HISTONES, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ LH, pharmacodynamics/ ORGAN WEIGHT, drug effects/ OVARY, anatomy & histology/ *OVARY, drug effects/ PROLACTIN, pharmacodynamics/ RATS/ SIALIC ACIDS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, anatomy & histology/ *UTERUS, drug effects

1785. **Jacobs MM, Ward DN:** Comparative analysis of the hCG augmentation assay for ovine and porcine follicle stimulating hormone. Tex Rep Biol Med 36:133-42, 1978
ANIMAL/ BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ FEMALE/ *FSH, analysis/ FSH, pharmacodynamics/ FSH, standards/ GONADOTROPINS, CHORIONIC, diagnostic use/ METHODS/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ RATS/ REFERENCE STANDARDS/ SHEEP/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1786. **Jacobsen BB, Peitersen B, Andersen HJ, et al:** Serum concentrations of thyroxine-binding globulin, prealbumin and albumin in healthy fullterm, small-for-gestational age and preterm newborn infants. Acta Paediatr Scand 68(1):49-55, Jan 79
BIRTH WEIGHT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE/ *INFANT, SMALL FOR GESTATIONAL AGE/ MALE/ *PREALBUMIN/ PREALBUMIN, analysis/ PREGNANCY/ *SERUM ALBUMIN/ SERUM ALBUMIN, analysis/ *THYROXINE BINDING PROTEIN/ THYROXINE BINDING PROTEIN, analysis

1787. **Jacobsen BB, Peitersen B:** Comparisons between serum concentrations of thyroxine and thyroxine-binding proteins in samples simultaneously obtained from capillary, peripheral vein, central vein and aorta in newborn infants. Acta Paediatr Scand 68(1):43-8, Jan 79
AORTA/ ASPHYXIA NEONATORUM, blood/ CAPILLARIES/ HUMAN/ *INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, blood/ INFANT, POSTMATURE/ INFANT, PREMATURE/ PREALBUMIN, analysis/ RESPIRATORY DISTRESS SYNDROME, blood/ SERUM ALBUMIN, analysis/ THYROID FUNCTION TESTS/ *THYROXINE BINDING PROTEIN/ THYROXINE BINDING PROTEIN, analysis/ *THYROXINE, blood/ VEINS

1788. **Jacobsen HH:** Computed tomography of the brain. Acta Neurol Scand [Suppl] 57(69):139-51, 1978
BRAIN NEOPLASMS, radiography/ *BRAIN, radiography/ HUMAN/ ORBITAL NEOPLASMS, radiography/ PITUITARY NEOPLASMS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ TOMOGRAPHY, COMPUTERIZED AXIAL, methods

1789. **Jacobson G, Roos P, Wide L:** Human pituitary thyrotropin. Isolation of alpha and beta subunits by hydrophobic interaction chromatography. Biochim Biophys Acta 536(2):363-75, 23 Oct 78
AMINO ACIDS, analysis/ CHROMATOGRAPHY, methods/ ELECTROPHORESIS, methods/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ MACROMOLECULAR SYSTEMS/ PEPTIDES, analysis/ SOLUBILITY/ *THYROTROPIN, analysis

1790. **Jacobsson K, Jacobsson L, Lindstedt G:** Screening för kongenital hypotyreos: varför inte rationell användning av laboratorieresurserna? Lakartidningen 75(46):4235-6, 15 Nov 78 **(Swe)**
HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, occurrence/ INFANT, NEWBORN/ MASS SCREENING/ SWEDEN

1791. **Jacquet YF, Klee WA, Smyth DG:** beta-Endorphin: modulation of acute tolerance and antagonism by endogenous brain systems. Brain Res 156(2):396-401, 10 Nov 78
ANIMAL/ *BRAIN, metabolism/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG TOLERANCE/ ELECTRIC STIMULATION/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ MUSCLE CONTRACTION, drug effects/ NEURAL INHIBITION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PREMEDICATION/ *RECEPTORS, NARCOTIC, drug effects/ TISSUE CULTURE/ *TISSUE EXTRACTS, pharmacodynamics

1792. **Jaeger P, Brunner HR, Turini GA, et al:** Minoxidil à long terme:

rénine, aldostérone, noradrénaline et besoin de beta-bloquants. Schweiz Med Wochenschr 108(44):1707–9, 4 Nov 78 (Eng. Abstr.) **(Fre)**
ADULT/ ALDOSTERONE, urine/ CHLORTHALIDONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FUROSEMIDE, therapeutic use/ HIRSUTISM, chemically induced/ HUMAN/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ MINOXIDIL, adverse effects/ *MINOXIDIL, therapeutic use/ NOREPINEPHRINE, urine/ OXPRENOLOL, therapeutic use/ PROPRANOLOL, therapeutic use/ *PYRIMIDINES, therapeutic use/ RENIN, blood/ SPIRONOLACTONE, therapeutic use/ WATER-ELECTROLYTE BALANCE, drug effects

1793. **Jaffe BM:** Prostaglandins and serotonin in diarrheogenic syndromes. Adv Exp Med Biol 106:285–95, 1978
ACHLORHYDRIA, complications/ ADOLESCENCE/ ADULT/ AGED/ CARCINOID TUMOR, complications/ CARCINOMA, complications/ DIARRHEA, chemically induced/ *DIARRHEA, etiology/ FEMALE/ HUMAN/ HYPOKALEMIA, complications/ MALE/ MIDDLE AGE/ *PROSTAGLANDINS E, blood/ *PROSTAGLANDINS E, SYNTHETIC, adverse effects/ SEROTONIN, blood/ THYROID NEOPLASMS, complications/ ZOLLINGER-ELLISON SYNDROME, complications

1794. **Jaffee RB, Serón-Ferre M, Parer JT, et al:** The primate fetal pituitary-adrenal axis in the perinatal period. Trans Pac Coast Obstet Gynecol Soc 45:58–64, 1978
ADRENAL GLANDS, embryology/ *ADRENAL GLANDS, physiology/ ANIMAL/ ANIMALS, NEWBORN/ CORTICOTROPIN, pharmacodynamics/ FEMALE/ *FETAL BLOOD, analysis/ *FETUS, physiology/ GESTATIONAL AGE/ *HYDROCORTISONE, blood/ MONKEYS/ PITUITARY-ADRENAL SYSTEM, embryology/ *PITUITARY-ADRENAL SYSTEM, physiology/ PREGNANCY

1795. **Jafri AM, Huang SM, Ketenjian AY, et al:** The ultrastructural cytology and chemical composition of fracture callus cartilage. Cytobios 20(77):21–34, 1977
ANIMAL/ CALCIFICATION, PHYSIOLOGIC/ CARTILAGE, metabolism/ *CARTILAGE, ultrastructure/ CELL DIFFERENTIATION/ COLLAGEN, metabolism/ *FRACTURES, pathology/ HYPERTROPHY/ LYSOSOMES, ultrastructure/ MALE/ RABBITS/ WOUND HEALING

1796. **Jährig K, Jessat J:** Glukokortikoide in der Therapie entzündlicher Hirnerkrankungen. Kinderaerztl Prax 46(10):505–8, Oct 78 **(Ger)**
*ENCEPHALITIS, EPIDEMIC, drug therapy/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ VIRUS DISEASES, drug therapy

1797. **Jain R, Ramanan SV:** Iatrogenic pancreatitis. A fatal complication in the induction therapy for acute lymphocytic leukemia. Arch Intern Med 138(11):1726, Nov 78
ACUTE DISEASE/ *ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AMYLASES, metabolism/ ASPARAGINASE, therapeutic use/ CASE REPORT/ FEMALE/ HUMAN/ IATROGENIC DISEASE/ *LEUKEMIA, LYMPHOCYTIC, drug therapy/ *PANCREATITIS, chemically induced

1798. **Jain SK:** Regulation of growth & metabolism of ovariectomised rat uterus by adenosine 3', 5'-cyclic monophosphate. Indian J Biochem Biophys 15(1):43–8, Feb 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AGING/ ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ GLYCOGEN, metabolism/ RATS/ SIALIC ACIDS, metabolism/ UTERUS, drug effects/ UTERUS, growth & development/ *UTERUS, metabolism/ VAGINA, cytology/ VAGINA, drug effects

1799. **Jakubowski J, Kendall B:** Coincidental aneurysms with tumours of pituitary origin. J Neurol Neurosurg Psychiatry 41(11):972–9, Nov 78
*ADENOMA, complications/ ADENOMA, radiography/ ADENOMA, surgery/ ADULT/ *CEREBRAL ANEURYSM, complications/ CEREBRAL ANEURYSM, radiography/ CEREBRAL ANEURYSM, surgery/ CEREBRAL ANGIOGRAPHY/ *CRANIOPHARYNGIOMA, complications/ CRANIOPHARYNGIOMA, radiography/ CRANIOPHARYNGIOMA, surgery/ FEMALE/ HUMAN/ HYPOPHYSECTOMY/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, radiography/ PITUITARY NEOPLASMS, surgery

1800. **Jakubowski W, Graban W:** Scintigraphy of hyperfunctioning adrenal tissue after total adrenalectomy. Eur J Nucl Med 3(4):239–41, 1978
*ADRENAL GLANDS, radionuclide imaging/ *ADRENALECTOMY/ ADULT/ *CUSHING'S SYNDROME, radionuclide imaging/ CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ KIDNEY, radionuclide imaging/ MALE/ RECURRENCE

1801. **James DG:** Immunotherapy. Trans Ophthalmol Soc UK 97(4):468–73, Sep 77 (20 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ BCG VACCINE, therapeutic use/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ *EYE DISEASES, therapy/ HUMAN/ IMMUNITY, CELLULAR, drug effects/ IMMUNOSUPPRESSION/ *IMMUNOTHERAPY/ LEVAMISOLE, therapeutic use/ REVIEW/ THYMECTOMY

1802. **Janczewski Z, Babiok L:** The diagnostic and prognostic significance of the testicular biopsy. Andrologia 10(5):393–6, Sep-Oct 78
HUMAN/ MALE/ PROGNOSIS/ SEMINIFEROUS TUBULES, pathology/ *STERILITY, MALE, pathology/ *TESTIS, pathology

1803. **Janiszewski L, Olszewska E, Borrowska MJ:** Effect of glutamate and 5-hydroxytryptamine on neuromuscular transmission Acheta domesticus and Tenebrio molitor. Bull Acad Pol Sci [Biol] 26(8):561–5, Nov 78
ANIMAL/ *GLUTAMATES, pharmacodynamics/ *INSECTS, physiology/ *NEURAL TRANSMISSION, drug effects/ *NEUROMUSCULAR JUNCTION, physiology/ *SEROTONIN, pharmacodynamics/ *TENEBRIO, physiology

1804. **Jänne O, Kontula K, Vihko R, et al:** Progesterone receptor and regulation of progestin action in mammalian tissues. Med Biol 56(5):225–48, Oct 78 (136 ref.)
ANIMAL/ BREAST NEOPLASMS, metabolism/ BREAST, metabolism/ CELL NUCLEUS, metabolism/ CERVIX UTERI, metabolism/ CHEMISTRY/ CHROMATIN, metabolism/ CYTOSOL, metabolism/ ENDOMETRIUM, metabolism/ FALLOPIAN TUBES, metabolism/ FEMALE/ HUMAN/ HYPOTHALAMUS, metabolism/ MYOMETRIUM, metabolism/ PITUITARY GLAND, metabolism/ PREGNANCY/ PROGESTATIONAL HORMONES, metabolism/ *PROGESTATIONAL HORMONES, physiology/ PROTEIN BINDING/ RECEPTORS, PROGESTERONE, metabolism/ *RECEPTORS, PROGESTERONE, physiology/ RECEPTORS, STEROID, metabolism/ REVIEW/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERINE NEOPLASMS, metabolism/ VAGINA, metaboiism

1805. **Janson R, Weissbach L:** Zur Phleborgraphie der Vena testicularis bei Varikozelenpersistenz bzw.-rezidiv. ROEFO 129(4):485–90, Oct 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ CHILD/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *PHLEBOGRAPHY, methods/ RECURRENCE/ *TESTIS, blood supply/ *VARICOCELE, radiography/ VEINS

1806. **Jaramillo CJ, Charro-Salgado AL, Pérez-Infante V, et al:** Clinical studies with d-TRP6-luteinizing hormone-releasing hormone in men with hypogonadotropic hypogonadism. Fertil Steril 30(4):430–5, Oct 78
FSH, blood/ *HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ *HYPOGONADISM, drug therapy/ HYPOGONADISM, pathology/ LH, blood/ *LH-FSH RELEASING HORMONE, therapeutic use/ MALE/ SPERMATOGENESIS/ TESTIS, pathology

1807. **Järhult J, Holst JJ:** Reflex adrenergic control of endocrine pancreas evoked by unloading of carotid baroreceptors in

cats. Acta Physiol Scand 104(2):188–202, Oct 78
ADRENALECTOMY/ AFFERENT PATHWAYS, physiology/ ANIMAL/ BLOOD PRESSURE/ BLOOD SUGAR, analysis/ CATS/ EFFERENT PATHWAYS, physiology/ FEMALE/ GLUCAGON, blood/ HEART RATE/ INSULIN, blood/ ISLANDS OF LANGERHANS, innervation/ *ISLANDS OF LANGERHANS, physiology/ ISLANDS OF LANGERHANS, secretion/ MALE/ *PRESSORECEPTORS, physiology/ REFLEX/ SYMPATHECTOMY/ *SYMPATHETIC NERVOUS SYSTEM, physiology/ VAGOTOMY

1808. **Jean-Faucher C, Berger M, de Turckheim M, et al:** Developmental patterns of plasma and testicular testosterone in mice from birth to adulthood.
Acta Endocrinol (Copenh) 89(4):780–8, Dec 78
AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN/ BODY WEIGHT/ FEMALE/ MALE/ MICE/ ORGAN WEIGHT/ SEMINAL VESICLES, growth & development/ SEX MATURATION/ SPERMATOGENESIS/ *TESTIS, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism

1809. **Jeffcoate IA, Foster JP, Crighton DB:** Effect of active immunisation of ewes against synthetic luteinising hormone releasing hormone. Theriogenology 10(4):323–35, Oct 78
ANIMAL/ ANTIBODY FORMATION/ ESTRUS/ FEMALE/ *IMMUNITY, ACTIVE/ LH-FSH RELEASING HORMONE, blood/ *LH-FSH RELEASING HORMONE, immunology/ SHEEP

1810. **Jeffcoate SL:** Diagnosis of hyperprolactinaemia. Lancet 2(8102):1245–7, 9 Dec 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANALYSIS OF VARIANCE/ COMPARATIVE STUDY/ DIAGNOSTIC ERRORS/ FEMALE/ GREAT BRITAIN/ HUMAN/ IMMUNOASSAY, methods/ MALE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ *PROLACTIN, blood/ QUALITY CONTROL/ STRESS, blood

1811. **Jeffery WR, Capco DG:** Differential accumulation and localization of maternal poly(A)-containing RNA during early development of the ascidian, Styela. Dev Biol 67(1):152–66, Nov 78
ANIMAL/ EMBRYO, NON-MAMMALIAN, physiology/ FEMALE/ FERTILIZATION/ NUCLEIC ACID HYBRIDIZATION/ OOCYTES, physiology/ OVARY, physiology/ *POLY A, metabolism/ POLY U/ *RNA, metabolism/ *UROCHORDATA, physiology

1812. **Jelinek J, Ylikorkala O, Jelínková M, et al:** Effect of endogenous and exogenous progesterone on human endometrial enzymes. Int J Fertil 23(1):31–7, 1978
ADULT/ *ENDOMETRIUM, enzymology/ FEMALE/ *GLUCURONIDASE, metabolism/ HUMAN/ MENSTRUATION/ *OXIDOREDUCTASES, metabolism/ *PHOSPHATASES, metabolism/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology

1813. **Jelliffe DB, Jelliffe EF:** Postpartum amenorrhea: hormones versus nutrition [letter] Am J Clin Nutr 31(11):1977–8, Nov 78
*AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ *BREAST FEEDING/ FEMALE/ HUMAN/ *LACTATION/ NUTRITION/ POPULATION CONTROL/ PREGNANCY/ PROLACTIN, physiology/ PUERPERAL DISORDERS, complications

1814. **Jenkins DM, Perry LA:** Plasma prolactin in pregnancy induced hypertension. Br J Obstet Gynaecol 85(10):754–7, Oct 78
FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, etiology/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PROLACTIN, blood

1815. **Jenkins ME:** Drug therapy in children. J Natl Med Assoc 70(10):739–40, Oct 78
ADULT/ AGE FACTORS/ CHILD/ *DRUG THERAPY/ DRUGS, administration & dosage/ FEMALE/ FETUS, drug effects/ HORMONES, therapeutic use/ HUMAN/ PREGNANCY

1816. **Jenner P, Marsden CD, Pratt J, et al:** Altered serotoninergic activity in mouse brain induced by clonazepam [proceedings] Br J Pharmacol 64(3):432P, Nov 78
ANIMAL/ *BENZODIAZEPINONES, pharmacodynamics/ *BRAIN CHEMISTRY, drug effects/ *CLONAZEPAM, pharmacodynamics/ MALE/ MICE/ *SEROTONIN, metabolism

1817. **Jepsen LV, Mathar R:** Kondylomer, hormonale kontraceptiva og candidiasis--og disses indbyrdes relation hos en venereakliniks kvindelige patienter. Ugeskr Laeger 140(49):3054–6, 4 Dec 78 (Eng. Abstr.) **(Dan)**
*CONDYLOMATA ACUMINATA, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DENMARK/ ENGLISH ABSTRACT/ FEMALE/ *GENITAL NEOPLASMS, FEMALE, occurrence/ HUMAN/ *MONILIASIS, VULVOVAGINAL, occurrence/ OUTPATIENT CLINICS, HOSPITAL

1818. **Jequier AM, Pogmore JR, Birmingham AT:** Plasma sex hormone binding globulin and oestrogen therapy [proceedings] Br J Pharmacol 64(3):456P, Nov 78
CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ *SEX HORMONE BINDING GLOBULIN, metabolism

1819. **Jernigan HM Jr, Irvin JL, White JR:** Binding of hedamycin to deoxyribonucleic acid and chromatin of testis and liver. Biochemistry 17(20):4232–9, 3 Oct 78
ANIMAL/ *ANTIBIOTICS, metabolism/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHEMISTRY/ *CHROMATIN, metabolism/ *DNA, metabolism/ KINETICS/ *LIVER, metabolism/ MALE/ MICROCOCCUS/ RATS/ SPECTROPHOTOMETRY/ *TESTIS, metabolism/ THYMUS GLAND/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1820. **Jerve F, Fylling P:** Therapeutic abortion in late first trimester. Prostaglandin pretreatment compared with primary surgery. Prostaglandins Med 1(4):33–7, Oct 78
ABORTIFACIENT AGENTS, NON-STEROIDAL/ ABORTION, INDUCED, adverse effects/ *ABORTION, INDUCED, methods/ *CERVIX UTERI, drug effects/ COMPARATIVE STUDY/ DILATATION/ FEMALE/ HUMAN/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

1821. **Jeske W, Górowski T, Czech W:** Stężenie hormonów tarczycy w surowicy jako wskaźnik czynności gruczołu tarczowego. Endokrynol Pol 29(6):501–9, Nov-Dec 78 (Eng. Abstr.) **(Pol)**
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PREGNANCY/ *THYROID DISEASES, diagnosis/ THYROID GLAND, physiopathology/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1822. **Jeske W, Komorek T, Zgliczyński S, et al:** Gruczolak przysadki z wybitnie wzmożonym wydzielaniem prolaktyny. Pol Arch Med Wewn 60(5):461–5, Nov 78 (Eng. Abstr.) **(Pol)**
*ADENOMA, secretion/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, secretion/ *PROLACTIN, secretion

1823. **Jick H, Dinan B, Herman R, et al:** Myocardial infarction and other vascular diseases in young women. Role of estrogens and other factors. JAMA 240(23):2548–52, 1 Dec 78
ADULT/ AGE FACTORS/ ABO BLOOD-GROUP SYSTEM/ *CEREBROVASCULAR DISORDERS, occurrence/ *CONTRACEPTIVES, ORAL, adverse effects/ DIABETES MELLITUS, complications/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ HYPERTENSION, complications/ MIDDLE AGE/ MYOCARDIAL INFARCTION, blood/ MYOCARDIAL INFARCTION, chemically induced/ MYOCARDIAL INFARCTION, etiology/ *MYOCARDIAL INFARCTION, occurrence/ SEX FACTORS/ SMOKING, complications/ *THROMBOEMBOLISM, occurrence/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1824. **Jiménez-Alonso J, Del Arbol JL, Escobar-Jiménez F, et al:**

Cáncer de tiroides asociado a hipertiroidismo: presentación de 4 nuevos casos y revisión de la literatura. Rev Clin Esp 150(3–4):161–6, Aug 78 (Eng. Abstr.) **(Spa)**
ADENOCARCINOMA, etiology/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, surgery/ ADULT/ AGED/ CARCINOMA, PAPILLARY, etiology/ CARCINOMA, PAPILLARY, pathology/ CARCINOMA, PAPILLARY, surgery/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, surgery/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

1825. **Jirásek JE:** Morphogenesis of the genital system in the human. Birth Defects 13(2):13–39, 1977 (42 ref.)
FALLOPIAN TUBES, embryology/ FEMALE/ GENES/ *GENITALIA, embryology/ GERM CELLS, physiology/ GERM LAYERS, physiology/ HUMAN/ MALE/ MEIOSIS/ MORPHOGENESIS/ OOGENESIS/ OVARY, cytology/ OVARY, embryology/ PENIS, embryology/ REVIEW/ SCROTUM, embryology/ TESTIS, cytology/ TESTIS, embryology/ UTERUS, embryology/ VAGINA, embryology/ VAS DEFERENS, embryology

1826. **Job JC:** Les explorations thyroïdiennes en pédiatrie. Sem Hop Paris 54(21–24):771–6, 8–15 Sep 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ INFANT, NEWBORN/ IODINE, blood/ LONG-ACTING THYROID STIMULATOR, blood/ NORMAL VALUES/ TECHNETIUM, diagnostic use/ *THYROID DISEASES, diagnosis/ THYROID DISEASES, radionuclide imaging/ THYROID FUNCTION TESTS, methods/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1827. **Job JC:** Hypothyroïdie de l'enfant. Rev Prat 28(43):3287–92, 3295–6, 1 Oct 78 (21 ref.) (Eng. Abstr.) **(Fre)**
BONE DISEASES, DEVELOPMENTAL, etiology/ CHILD/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ GROWTH DISORDERS, etiology/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, therapy/ INFANT/ INFANT, NEWBORN/ REVIEW/ SKIN MANIFESTATIONS/ THYROID GLAND, abnormalities/ THYROID HORMONES, blood/ THYROTROPIN, blood

1828. **Jochimsen PR, Ness SJ, Sherman BM:** Results and merit of estrogen receptor data derived from metastatic tumors of the breast. Surg Gynecol Obstet 147(6):842–4, Dec 78
AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, physiopathology/ BREAST NEOPLASMS, therapy/ CARCINOMA, drug therapy/ *CARCINOMA, physiopathology/ CARCINOMA, therapy/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *RECEPTORS, ESTROGEN, analysis

1829. **Johannessen JV, Gould VE, Jao W:** The fine structure of human thyroid cancer. Hum Pathol 9(4):385–400, Jul 78
ADENOCARCINOMA, ultrastructure/ AMYLOID, analysis/ CARCINOMA, analysis/ CARCINOMA, ultrastructure/ CARCINOMA, EPIDERMOID, ultrastructure/ CARCINOMA, PAPILLARY, ultrastructure/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ HUMAN/ LYMPHOMA, ultrastructure/ MICROSCOPY, ELECTRON/ ORGANOIDS, ultrastructure/ *THYROID NEOPLASMS, ultrastructure

1830. **Johansen JG, Osnes S, Halvorsen S:** Bløtvev- og arterieforkalkninger i hånden ved dialysbehandling av kronisk nyresvikt. Tidsskr Nor Laegeforen 98(34–36):1761–3, 10 Dec 78 (Eng. Abstr.) **(Nor)**
ADOLESCENCE/ ADULT/ *CALCINOSIS, etiology/ CALCINOSIS, radiography/ CONNECTIVE TISSUE/ ENGLISH ABSTRACT/ FEMALE/ HAND/ *HEMODIALYSIS, adverse effects/ HUMAN/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, radiography/ KIDNEY, transplantation/ MALE/ MIDDLE AGE/ RENAL OSTEODYSTROPHY, radiography/ TRANSPLANTATION, HOMOLOGOUS

1831. **Johansen K, Hansen JM, Skovsted L:** The preferential role of triiodothyronine in the regulation of basal metabolic rate in hyper- and hypothyroidism. Acta Med Scand 204(5):357–9, 1978
*BASAL METABOLISM/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM, metabolism/ MALE/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, physiology

1832. **Johansen K, Hansen JM, Skovsted L:** Myxoedema and thyrotoxicosis: relations between clinical state and concentrations of thyroxine and triiodothyronine in blood. Acta Med Scand 204(5):361–4, 1978
ADULT/ AGED/ BASAL METABOLISM/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ MALE/ MIDDLE AGE/ *MYXEDEMA, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1833. **Johansson S, Kutti J, Olsson LB:** Rapid platelet consumption in a case of metastatic osteogenic sarcoma of the breast. Acta Pathol Microbiol Scand [A] 86A(6):505–11, Nov 78
AGED/ *BLOOD PLATELETS/ BLOOD TRANSFUSION/ *BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, pathology/ CASE REPORT/ CELL SURVIVAL/ FEMALE/ *HEART NEOPLASMS, blood/ HEART NEOPLASMS, pathology/ HUMAN/ NEOPLASM METASTASIS/ PREDNISOLONE, therapeutic use/ *SARCOMA, OSTEOGENIC, blood/ SARCOMA, OSTEOGENIC, pathology/ THROMBOPENIA, drug therapy/ *THROMBOPENIA, etiology

1834. **Johnsen SG:** Maintenance of spermatogenesis induced by HMG treatment by means of continuous HCG treatment in hypogonadotrophic men. Acta Endocrinol (Copenh) 89(4):763–9, Dec 78
ADULT/ CASE REPORT/ CLINICAL RESEARCH/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *HYPOGONADISM, drug therapy/ HYPOPHYSECTOMY/ MALE/ *MENOTROPINS, therapeutic use/ *SPERMATOGENESIS, drug effects

1835. **Johnson BL, Fisher RI, Bender RA, et al:** Hexamethylmelamine in alkylating agent–resistant ovarian carcinoma. Cancer 42(5):2157–61, Nov 78
*ADENOCARCINOMA, drug therapy/ ADULT/ AGED/ *ALKYLATING AGENTS, therapeutic use/ BONE MARROW, drug effects/ DRUG RESISTANCE/ FEMALE/ HEXAMETHYLMELAMINE, adverse effects/ *HEXAMETHYLMELAMINE, therapeutic use/ HUMAN/ MIDDLE AGE/ NAUSEA, chemically induced/ NERVOUS SYSTEM, drug effects/ *OVARIAN NEOPLASMS, drug therapy/ REMISSION/ *TRIAZINES, therapeutic use

1836. **Johnson GS, Mukku VR:** Evidence in intact cells for an involvement of GTP in the activation of adenylate cyclase. J Biol Chem 254(1):95–100, 10 Jan 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ CELL LINE/ CHOLERA TOXIN, pharmacodynamics/ ENZYME ACTIVATION/ *GUANOSINE TRIPHOSPHATE, metabolism/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MYCOPHENOLIC ACID, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ RIBAVIRIN, pharmacodynamics

1837. **Johnson KM:** Neurochemical pharmacology of phencyclidine. Natl Inst Drug Abuse Res Monogr Ser (21):44–52, Aug 78 (31 ref.)
ACETYLCHOLINE, metabolism/ ANIMAL/ *BRAIN CHEMISTRY, drug effects/ CATECHOLAMINES, metabolism/ HUMAN/ NEUROHUMORS, metabolism/ NEURONS, drug effects/ NEURONS, metabolism/ *PHENCYCLIDINE, pharmacodynamics/ REVIEW/

SEROTONIN, metabolism

1838. **Johnson PM, Esser PD, Lister DB:** Fluorescent thyroid imaging: clinical evaluation of an alternative instrument. Radiology 130(1):219–22, Jan 79
COMPARATIVE STUDY/ EVALUATION STUDIES/ FLUORESCENCE/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ *RADIONUCLIDE IMAGING, instrumentation/ TECHNETIUM, diagnostic use/ THYROID DISEASES, radionuclide imaging/ *THYROID GLAND, radionuclide imaging/ THYROID NEOPLASMS, radionuclide imaging

1839. **Jokinen MA:** Prevention of postextraction bacteremia by local prophylaxis. Int J Oral Surg 7(5):450–2, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ANTISEPSIS, methods/ *ASEPSIS, methods/ CHLORHEXIDINE, administration & dosage/ CHLORHEXIDINE, therapeutic use/ FEMALE/ HUMAN/ IODINE, administration & dosage/ *IODINE, therapeutic use/ MALE/ MIDDLE AGE/ MOUTHWASHES/ POSTOPERATIVE COMPLICATIONS, prevention & control/ SEPTICEMIA, etiology/ *SEPTICEMIA, prevention & control/ SURGICAL WOUND INFECTION, complications/ *SURGICAL WOUND INFECTION, prevention & control/ *TOOTH EXTRACTION

1840. **Joly J, Luton JP:** Traitement médical de l'hyperthyroïdie. Chirurgie 104(4):694–701, Jun 78 (Eng. Abstr.) **(Fre)**
ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ COMPARATIVE STUDY/ DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ IODINE, therapeutic use/ LITHIUM, therapeutic use/ THYROID ANTAGONISTS, therapeutic use

1841. **Joly J:** Le coeur myxoedémateux. Rev Prat 28(43):3313–8, 1 Oct 78 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ *HEART DISEASES, etiology/ HUMAN/ *MYXEDEMA, complications/ MYXEDEMA, therapy

1842. **Jones HW Jr:** Intersexes--surgical correction. Birth Defects 13(2):137–45, 1977
CLITORIS, surgery/ FEMALE/ *HERMAPHRODITISM, surgery/ HUMAN/ MALE/ METHODS

1843. **Jones JT, Andrews SJ:** Glucose-6-phosphate dehydrogenase activity in somatic and germinal cells of the mouse testis. J Reprod Fertil 54(2):357–62, Nov 78
ANIMAL/ CELLS, CULTURED/ ELECTROPHORESIS, CELLULOSE ACETATE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ ISOENZYMES, metabolism/ *LEYDIG CELLS, enzymology/ MALE/ MICE/ *SEMINIFEROUS TUBULES, enzymology/ *SERTOLI CELLS, enzymology/ *TESTIS, enzymology

1844. **Jones M, Marshall DM, Nordin BE:** Sexuality in the menopause. Probl Actuels Endocrinol Nutr (21):119–24, 1977
ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ LIBIDO/ *MENOPAUSE/ MIDDLE AGE/ QUESTIONNAIRES/ SEX DISORDERS, drug therapy/ *SEX DISORDERS, etiology

1845. **Jones RJ, Blunt CG, Nurnberg BI:** Toxicity of Leucaena leucocephala. The effect of iodine and mineral supplements on penned steers fed a sole diet of Leucaena. Aust Vet J 54(8):387–92, Aug 78
ANIMAL/ BODY WEIGHT/ CATTLE DISEASES, blood/ *CATTLE DISEASES, prevention & control/ CATTLE/ *IODINE, therapeutic use/ MALE/ PLANT POISONING, blood/ PLANT POISONING, prevention & control/ *PLANT POISONING, veterinary/ THYROXINE, blood/ *TRACE ELEMENTS, therapeutic use/ TRIIODOTHYRONINE, blood

1846. **Joos T, Anderer FA:** Short-time phosphorylation of plasma membrane proteins by endogenous kinases. Biochem Biophys Res Commun 84(3):660–6, 16 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL LINE/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ KINETICS/ *MEMBRANE PROTEINS, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism

1847. **Josefsberg Z, Posner BI, Patel B, et al:** The uptake of prolactin into female rat liver. Concentration of intact hormone in the Golgi apparatus. J Biol Chem 254(1):209–14, 10 Jan 79
ANIMAL/ BIOLOGICAL TRANSPORT/ FEMALE/ *GOLGI APPARATUS, metabolism/ GOLGI APPARATUS, ultrastructure/ KINETICS/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ *PROLACTIN, metabolism/ RATS/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1848. **Josso N, Picard JY, Tran D:** The anti-Müllerian hormone. Birth Defects 13(2):59–84, 1977
ANIMAL/ BIOLOGICAL ASSAY/ CATTLE/ CHICK EMBRYO/ CHROMATOGRAPHY, GEL/ GESTATIONAL AGE/ GONADS, abnormalities/ HUMAN/ MALE/ MOLECULAR WEIGHT/ MULLERIAN DUCTS, drug effects/ *MULLERIAN DUCTS, physiology/ ORGAN CULTURE/ PITUITARY GLAND, physiology/ RABBITS/ RATS/ SERTOLI CELLS, metabolism/ SEX DIFFERENTIATION/ SPECIES SPECIFICITY/ *TESTICULAR HORMONES, physiology/ *TESTIS, embryology/ TESTIS, radiation effects/ TESTOSTERONE, pharmacodynamics/ TISSUE CULTURE

1849. **Jost A, Prépin J, Vigier B:** Hormones in the morphogenesis of the genital system. Birth Defects 13(2):85–97, 1977
ANIMAL/ CATTLE/ CHICK EMBRYO/ FREEMARTINISM, embryology/ *GENITALIA, embryology/ *HORMONES, physiology/ HUMAN/ MODELS, BIOLOGICAL/ MORPHOGENESIS/ MOSAICISM/ OVARY, embryology/ SEX DIFFERENTIATION/ SEX HORMONES, physiology/ TESTIS, embryology

1850. **Jowett TP, Smith E, Slater JD:** Production and characteristics of highly specific antibodies to aldosterone. J Steroid Biochem 6(10):1415–9, Oct 75
*ALDOSTERONE, immunology/ *ANTIBODY FORMATION/ CROSS REACTIONS/ IMMUNIZATION/ RABBITS, immunology/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE

1851. **Joyce BG, Wilson DW, Read GF, et al:** An improved enzyme immunoassay for progesterone in human plasma. Clin Chem 24(12):2099–102, Dec 78
COMPARATIVE STUDY/ CROSS REACTIONS/ HORSERADISH PEROXIDASE/ HUMAN/ IMMUNOENZYME TECHNICS/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY, methods

1852. **Jóźwik M:** Badania nad rozkładem glikogenu w łożysku ludzkim. Ginekol Pol 49(10):923–6, Oct 78 **(Pol)**
FEMALE/ GLYCOGEN PHOSPHORYLASE, metabolism/ *GLYCOGEN, metabolism/ HUMAN/ *PLACENTA, metabolism/ PREGNANCY/ TISSUE DISTRIBUTION

1853. **Julius S:** Borderline hypertension: clinical and pathophysiologic significance. Ergeb Inn Med Kinderheilkd 41:51–84, 1978 (111 ref.)
AUTONOMIC NERVOUS SYSTEM, physiopathology/ DIAGNOSIS, DIFFERENTIAL/ HEMODYNAMICS/ HORMONES, physiology/ HUMAN/ *HYPERTENSION, diagnosis/ HYPERTENSION, physiopathology/ HYPERTENSION, therapy/ PROGNOSIS/ REVIEW/ RISK

1854. **Jullienne A, Raulais D, Calmettes C, et al:** Heterogeneity of immunoreactive calcitonin in normal human thyroid. Horm Metab Res 10(5):456–7, Sep 78
*CALCITONIN, analysis/ HUMAN/ *THYROID GLAND, analysis

1855. **Junaid TA, de V. Hendrickse JP, Aimakhu VA, et al:** Prognostic value of histological grading of hydatidiform moles. Afr J Med Med Sci 7(2):99–105, Jun 78
FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, pathology/ NIGERIA/ PREGNANCY/ PROGNOSIS/ *UTERINE NEOPLASMS, pathology

1856. **Juneja RK, Gahne B, Sandberg K:** Genetic polymorphism of

the vitamin D binding protein and another post-albumin protein in horse serum.
Anim Blood Groups Biochem Genet 9(1):29–36, 1978
ALPHA GLOBULINS, genetics/ ANIMAL/ CARRIER PROTEINS, blood/ *CARRIER PROTEINS, genetics/ CROSSES, GENETIC/ FEMALE/ GENE FREQUENCY/ HORSES/ MALE/ PHENOTYPE/ *POLYMORPHISM (GENETICS)/ SERUM ALBUMIN/ *VITAMIN D, blood

1857. **Jungblut PW, Kallweit E, Sierralta W, et al:** The occurrence of steroid-free, 'activated' estrogen receptor in target cell nuclei. Hoppe Seylers Z Physiol Chem 359(10):1259–68, Oct 78
ADRENAL CORTEX, metabolism/ ADRENAL CORTEX, pathology/ ADRENALECTOMY/ ANIMAL/ *CELL NUCLEUS, metabolism/ CELL NUCLEUS, ultrastructure/ *ESTRADIOL, metabolism/ MACROMOLECULAR SYSTEMS/ *RECEPTORS, ESTROGEN, metabolism/ SWINE/ *UTERUS, metabolism/ UTERUS, ultrastructure

1858. **Jüppner H, Bialasiewicz AA, Hesch RD:** Autoantibodies to parathyroid hormone receptor. Lancet 2(8102):1222–4, 9 Dec 78
ANIMAL/ *AUTOANTIBODIES, immunology/ AUTOANTIBODIES, isolation & purification/ AUTOIMMUNE DISEASES, immunology/ BINDING SITES, ANTIBODY/ CATTLE/ CELL MEMBRANE, immunology/ HUMAN/ HYPERPARATHYROIDISM, immunology/ IGG, immunology/ KIDNEY TUBULES, pathology/ LYMPHOCYTES, pathology/ *PARATHYROID HORMONE, immunology/ RADIOIMMUNOASSAY/ *RECEPTORS, HORMONE, immunology/ UREMIA, immunology

1859. **Juskevich JC, Robinson DS, Whitehorn D:** Effect of hypothalamic stimulation in spontaneously hypertensive and Wistar-Kyoto rats. Eur J Pharmacol 51(4):429–39, 15 Oct 78
ANESTHESIA/ ANIMAL/ BLOOD PRESSURE, drug effects/ CLONIDINE, pharmacodynamics/ ELECTRIC STIMULATION/ HYDRALAZINE, pharmacodynamics/ *HYPERTENSION, physiopathology/ *HYPOTHALAMUS, physiology/ MALE/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, physiology

1860. **Justrabo E, Brun JM, Putelat R, et al:** Métastase ganglionnaire précessive d'un carcinome médullaire du corps thyroïde. Ann Endocrinol (Paris) 39(3):253–4, 1978 (Eng. Abstr.) **(Fre)**
*CARCINOMA, pathology/ *CARCINOMA, PAPILLARY, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, pathology/ *THYROID NEOPLASMS, pathology

K

1861. **Kabler TA, Knapp MS, Pownall R, et al:** The effects of corticosteroids given at various clock times on cell-mediated immunity to oxazolone [proceedings] Br J Pharmacol 64(3):427P, Nov 78
*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ *IMMUNITY, CELLULAR, drug effects/ *OXAZOLES, immunology/ *OXAZOLONE, immunology/ RATS/ TIME FACTORS

1862. **Kadis B, Chyn LC:** Steroid transformations in porcine salivary glands. J Steroid Biochem 6(11–12):1543–8, Nov-Dec 75
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ MALE/ ORGAN SPECIFICITY/ *PAROTID GLAND, metabolism/ *PREGNENOLONE, metabolism/ *SUBMANDIBULAR GLAND, metabolism/ SWINE

1863. **Kahl GF, Müller W, Kahl R, et al:** Differential inhibition of biphenyl hydroxylation in perfused rat liver. Naunyn Schmiedebergs Arch Pharmacol 304(3):297–301, 16 Oct 78
ANIMAL/ *BIPHENYL COMPOUNDS, metabolism/ CYTOCHROME P-450, metabolism/ DEPRESSION, CHEMICAL/ FLAVONES, pharmacodynamics/ HYDROXYLATION/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ METYRAPONE, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ RATS/ TIME FACTORS

1864. **Kai O, Fujioka T, Yasuda M:** Light and electron microscopic studies of intramitochondrial bodies in bovine adrenocortical cells by proteolytic digestion. Histochemistry 57(3):217–21, 15 Sep 78
*ADRENAL CORTEX, ultrastructure/ ANIMAL/ *CATTLE, anatomy & histology/ FEMALE/ HISTOCYTOCHEMISTRY/ MALE/ *MITOCHONDRIA, ultrastructure/ PEPSIN, metabolism/ TRYPSIN, metabolism

1865. **Kaiser C, Neck K, Ritter R, et al:** Die Stellung der Szintigraphie in der Traumatologie. Helv Chir Acta 45(4–5):575–9, Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ BONE AND BONES, radiography/ *BONE AND BONES, radionuclide imaging/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ FEMORAL FRACTURES, radiography/ FEMORAL FRACTURES, radionuclide imaging/ FRACTURES, radiography/ *FRACTURES, radionuclide imaging/ HUMAN/ METHODS

1866. **Kaiser G, Wiemer G, Kremer G, et al:** Identification and quantification of beta-adrenoceptors sites in red blood cells from rats. Naunyn Schmiedebergs Arch Pharmacol 305(1):41–50, Oct 78
ADENYL CYCLASE, blood/ ALPRENOLOL, analogs & derivatives/ ALPRENOLOL, diagnostic use/ ANIMAL/ ERYTHROCYTE MEMBRANE, drug effects/ *ERYTHROCYTES, metabolism/ IN VITRO/ KINETICS/ MALE/ PHENYLHYDRAZINES, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, BETA, drug effects/ RETICULOCYTES, drug effects/ TIME FACTORS

1867. **Kaiserman D, Liegler D, Amorosi ED:** CAT scan in hypoparathyroidism. Ann Neurol 2(3):245–50, Sep 77
AGED/ CALCINOSIS, radiography/ CASE REPORT/ *GANGLIA, BASAL, radiography/ HUMAN/ *HYPOPARATHYROIDISM, radiography/ MALE/ *TOMOGRAPHY, COMPUTERIZED AXIAL

1868. **Kakati S, Sandberg AA:** Chromosomes in solid tumors. Virchows Arch [Cell Pathol] 29(1–2):129–37, 17 Nov 78
CHROMOSOME BANDING/ *CHROMOSOMES, HUMAN/ FEMALE/ HUMAN/ MELANOMA, pathology/ MENINGIOMA, pathology/ NEOPLASM METASTASIS/ *NEOPLASMS, pathology/ OVARIAN NEOPLASMS, pathology

1869. **Kalashnikova NA, Tikhonova NM:** O vliianii vibratsii nizkozvukovuykh chastot na morfologiiu i funktsiiu iaichnikov. Akush Ginekol (Mosk) (10):25–9, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ CYTOCHROME OXIDASE, metabolism/ DIESTRUS/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ FEMALE/ MICE/ *OVARY, anatomy & histology/ OVARY, enzymology/ OVARY, physiology/ SUCCINATE DEHYDROGENASE, metabolism/ *VIBRATION, adverse effects

1870. **Kalinin AP, Bogatyrev OP, Tishenina RS, et al:** Izmeneniia posle odnostoronnei adrenalektomii, cochetannoĭ s luchevoĭ terapieĭ, funktsional'nogo sostoianiia shchitovidnoĭ zhelezy i tireotropnoĭ aktivnosti gipofiza pri bolezni Itsenko-Kushinga. Ter Arkh 50(11):75–80, 1978 (Eng. Abstr.) **(Rus)**
ADRENALECTOMY/ ADULT/ *CORTICOTROPIN, secretion/ *CUSHING'S SYNDROME, physiopathology/ CUSHING'S SYNDROME, radiotherapy/ CUSHING'S SYNDROME, surgery/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, ANTERIOR, physiopathology/ *THYROID GLAND, physiopathology/ *THYROTROPIN, secretion

1871. **Kalinin AP, Fekson EG, Firsov BM:** Izofermenty shchelochnoĭ fosfatazy syvorotki krovi pri pervichnom giperparatireoze. Lab Delo (12):710–2, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ *ALKALINE PHOSPHATASE, blood/ BONE AND BONES, enzymology/ CHRONIC DISEASE/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ ENZYME TESTS/ FEMALE/ HUMAN/

*HYPERPARATHYROIDISM, diagnosis/ *ISOENZYMES, blood/ MALE/ MIDDLE AGE

1872. **Kalkwarf KL:** Effect of oral contraceptive therapy on gingival inflammation in humans. J Periodontol 49(11):560–3, Nov 78
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ *CONTRACEPTIVES, ORAL, adverse effects/ DENTAL PLAQUE, etiology/ ESTROGENS, adverse effects/ FEMALE/ *GINGIVITIS, chemically induced/ HUMAN/ PERIODONTAL INDEX/ PROGESTATIONAL HORMONES, adverse effects/ PROGESTERONE, adverse effects

1873. **Kalla NR, Singh B:** Phospholipid analysis in testis–epididymis complex after alpha-chlorohydrin administration. Contraception 17(6):523–30, Jun 78
*ALPHA-CHLOROHYDRIN, pharmacodynamics/ ANIMAL/ CHEMISTRY/ *CHLOROHYDRINS, pharmacodynamics/ *EPIDIDYMIS, analysis/ MALE/ PHOSPHATIDYLCHOLINES/ PHOSPHATIDYLETHANOLAMINES/ PHOSPHATIDYLINOSITOLS/ PHOSPHATIDYLSERINES/ *PHOSPHOLIPIDS/ RATS/ SPHINGOMYELINS/ *TESTIS, analysis/ VAS DEFERENS, analysis

1874. **Kallner G, Kågedal B, Ljunggren JG, et al:** Clinical value of total T4 and T3 determinations in patients with suspect hyperthyroidism before and after correction for binding proteins. Acta Med Scand 204(5):369–73, 1978
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ *THYROXINE BINDING PROTEIN, metabolism/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

1875. **Kallos J, Lea MA:** Nuclear binding pf cyclic AMP receptor. Int J Biochem 9(10):767–73, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ DEOXYRIBONUCLEASE/ KINETICS/ *LIVER, metabolism/ RATS/ *RECEPTORS, CYCLIC AMP, metabolism/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1876. **Kalsner S:** Prostaglandin mediated relaxation of coronary artery strips under hypoxia. Prostaglandins Med 1(3):231–9, Sep 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ ASPIRIN, pharmacodynamics/ CATTLE/ *CORONARY VESSELS, drug effects/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ *OXYGEN, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ *PROSTAGLANDINS, physiology/ VASOCONSTRICTION, drug effects/ *VASODILATION, drug effects

1877. **Kaminski DL, Ruwart MJ, Deshpande YG:** Role of adenosine 3',5'-monophosphate (cyclic AMP) in canine bile-salt-stimulated choleresis. Surg Forum 28:409–11, 1977
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, secretion/ ANIMAL/ *BILE ACIDS AND SALTS, pharmacodynamics/ BILE ACIDS AND SALTS, secretion/ BILE, metabolism/ *BILE, secretion/ DOGS/ LIVER, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1878. **Kammer H, Loveless MO:** Disappearance of a hyperfunctioning thyroid nodule following TSH stimulation. J Nucl Med 19(10):1149–50, Oct 78
ADULT/ CASE REPORT/ *GOITER, NODULAR, drug therapy/ GOITER, NODULAR, metabolism/ GOITER, NODULAR, radionuclide imaging/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ IODINE RADIOISOTOPES, metabolism/ MALE/ THYROID GLAND, radionuclide imaging/ *THYROTROPIN, therapeutic use

1879. **Kamo N, Kashiwagura T, Kobatake Y, et al:** Role of membrane-bound calcium in taste reception of the frog. J Physiol (Lond) 282:115–29, Sep 78
ACTION POTENTIALS, drug effects/ ANIMAL/ BINDING SITES/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ *CALCIUM, physiology/ CELL MEMBRANE, metabolism/ FROGS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MALE/ POTASSIUM, pharmacodynamics/ RANA CATESBEIANA/ SODIUM, pharmacodynamics/ *TASTE BUDS, physiology/ TEMPERATURE

1880. **Kamphuisen HA:** Een elektro-encefalogram om van te schrikken. Ned Tijdschr Geneeskd 122(51):2001–5, 23 Dec 78 **(Dut)**
*BRAIN, physiopathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *ELECTROENCEPHALOGRAPHY/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, physiopathology/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, diagnosis

1881. **Kamyab S, Baghdiantz A, Motamedi H:** Variations in serum protein fractions following a continuous long term intake of eugynon and lyndiol by Iranian women. J Steroid Biochem 9(8):811–2, Aug 78
ADOLESCENCE/ ADULT/ *BLOOD PROTEINS, metabolism/ *CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, COMBINED, administration & dosage/ *ETHINYL ESTRADIOL, administration & dosage/ FEMALE/ HUMAN/ *LYNESTRENOL, administration & dosage/ *MESTRANOL, administration & dosage/ *NORGESTREL, administration & dosage/ SERUM ALBUMIN, metabolism/ SERUM GLOBULINS, metabolism

1882. **Kanbour AI, Salazar H, Tobon H:** Massive ovarian edema: a nonneoplastic pelvic mass of young women. Arch Pathol Lab Med 103(1):42–5, Jan 79
ADOLESCENCE/ CASE REPORT/ CASTRATION/ *EDEMA, pathology/ EDEMA, surgery/ FEMALE/ HUMAN/ LYMPHANGIECTASIS, pathology/ *OVARIAN DISEASES, pathology/ OVARIAN DISEASES, surgery/ OVARY, pathology

1883. **Kandaswami C, D'Iorio A:** On rat liver mitochondrial monoamine oxidase activity and lipids. Arch Biochem Biophys 190(2):847–9, Oct 78
ANIMAL/ *INTRACELLULAR MEMBRANES, physiology/ *MEMBRANE LIPIDS, physiology/ *MITOCHONDRIA, LIVER, enzymology/ *MONOAMINE OXIDASE, metabolism/ PHOSPHOLIPIDS, pharmacodynamics/ RATS/ SEROTONIN/ TRITONS, pharmacodynamics/ TYRAMINE

1884. **Kandeel FR, Butt WR, London DR, et al:** Oestrogen amplification of LH-RH response in the polycystic ovary syndrome and response to clomiphene. Clin Endocrinol (Oxf) 9(5):429–41, Nov 78
ADULT/ *CLOMIPHENE, pharmacodynamics/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, secretion/ HUMAN/ LH, secretion/ *LH-FSH RELEASING HORMONE, diagnostic use/ MENSTRUATION/ OVULATION, drug effects/ *STEIN-LEVENTHAL SYNDROME, metabolism

1885. **Kaneko Y, Endo Y, Oda T:** Protein synthesis by rat transplantable yolk sac tumor and its relation to the cytosol levels of translatable messenger RNA's. Cancer Res 38(12):4728–33, Dec 78
*ALPHA FETOPROTEINS, biosynthesis/ ANIMAL/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ FEMALE/ IN VITRO/ *MESONEPHROMA, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ *OVARIAN NEOPLASMS, metabolism/ PREGNANCY/ RATS/ *RNA, MESSENGER, metabolism/ *RNA, NEOPLASM, metabolism/ TRANSLATION, GENETIC/ YOLK SAC, metabolism

1886. **Kaneko Y, Sakurai M, Hattori M:** A case of acute myelogenous leukemia with an 8--21 translocation, missing Y, and additional karyotypic abnormalities. Am J Hematol 4(3):273–80, 1978
ADULT/ BONE MARROW, ultrastructure/ CASE REPORT/ *CHROMOSOME DELETION/ *CHROMOSOMES, HUMAN, 21-22/ *CHROMOSOMES, HUMAN, 6-12/ HUMAN/ KARYOTYPING/ LEUKEMIA, MYELOBLASTIC,

complications/ *LEUKEMIA, MYELOBLASTIC, familial & genetic/ MALE/ NEOPLASM METASTASIS/ RECTAL NEOPLASMS, complications/ *SEX CHROMOSOMES/ *TRANSLOCATION (GENETICS)/ *Y CHROMOSOME

1887. **Kanerva L, Hervonen A, Rechardt L, et al:** Ultrastructural localization of granules and smooth endoplasmic reticulum with permanganate fixation in monoamine cells. pp. 15–28.

In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977. (62 ref.)
ADRENAL MEDULLA, ultrastructure/ ANIMAL/ *AUTONOMIC NERVOUS SYSTEM, ultrastructure/ AXONS, ultrastructure/ *BIOGENIC AMINES, analysis/ *CYTOLOGICAL TECHNICS/ CYTOPLASMIC GRANULES, ultrastructure/ *ENDOPLASMIC RETICULUM, ultrastructure/ FLUORESCENCE/ GANGLIA, AUTONOMIC, ultrastructure/ *MANGANESE, diagnostic use/ MAST CELLS, ultrastructure/ MONOGRAPH/ POTASSIUM PERMANGANATE, diagnostic use/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, ultrastructure/ SYNAPTOSOMES, ultrastructure

1888. **Kanerva PA, Mäenpää PH:** Codon-specific serine transfer ribonucleic acid synthesis in avian liver during vitellogenin induction. Acta Chem Scand [B] B32(8):561–8, 1978
ANIMAL/ CHICKENS/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ESTRADIOL, pharmacodynamics/ *LIPOPROTEINS, biosynthesis/ *LIVER, metabolism/ RIBONUCLEASE, pharmacodynamics/ *RNA, TRANSFER, biosynthesis/ RNA, TRANSFER, isolation & purification/ SPECIES SPECIFICITY/ *VITELLOGENIN, biosynthesis

1889. **Kangasaho M, Metsä-Ketelä T, Vapaatalo H:** Effects of prostaglandins on rat cardiac adenylate cyclase. Eur J Pharmacol 52(1):93–8, 1 Nov 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ *HEART, drug effects/ IN VITRO/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, enzymology/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL

1890. **Kantor HS, Hampton M:** Indomethacin in submicromolar concentrations inhibits cyclic AMP-dependent protein kinase. Nature 276(5690):841–2, 21–28 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ILEUM/ *INDOMETHACIN, pharmacodynamics/ INTESTINAL MUCOSA, enzymology/ KINETICS/ PHOSPHOPROTEINS, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, antagonists & inhibitors/ RABBITS/ UNITED STATES GOV'T SUPPORTED

1891. **Kapke GF, Redick JA, Baron J:** Immunohistochemical demonstration of an adrenal ferredoxin-like iron-sulfur protein in rat hepatic mitochondria. J Biol Chem 253(23):8604–8, 10 Dec 78
*ADRENAL GLANDS, analysis/ ANIMAL/ ELECTRON SPIN RESONANCE/ *FERREDOXINS, analysis/ IMMUNOENZYME TECHNICS/ *IRON-SULFUR PROTEINS, analysis/ MALE/ *METALLOPROTEINS, analysis/ *MITOCHONDRIA, LIVER, analysis/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1892. **Kaplan MA, Canterbury JM, Gavellas G, et al:** Interrelations between phosphorus, calcium, parathyroid hormone, and phosphate excretion in the normal and uremic dog. Adv Exp Med Biol 103:257–62, 1978
ANIMAL/ *CALCIUM, blood/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ *PARATHYROID HORMONE, blood/ *PHOSPHATES, urine/ *PHOSPHORUS, blood/ PHOSPHORUS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREMIA, metabolism/ UREMIA, urine

1893. **Kaplan MA, Canterbury JM, Gavellas G, et al:** The calcemic and phosphaturic effects of parathyroid hormone in the normal and uremic dog. Metabolism 27(12):1785–92, Dec 78
ANIMAL/ BONE AND BONES, drug effects/ *CALCIUM, metabolism/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ KIDNEY, drug effects/ *PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREMIA, metabolism

1894. **Kaplan MA, Canterbury JM, Gavellas G, et al:** Interrelations between phosphorus, calcium, parathyroid hormone, and renal phosphate excretion in response to an oral phosphorus load in normal and uremic dogs. Kidney Int 14(3):207–14, Sep 78
ADMINISTRATION, ORAL/ ANIMAL/ *CALCIUM, blood/ DIET/ DOGS/ FEMALE/ GLOMERULAR FILTRATION RATE/ *PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ *PHOSPHATES, urine/ *PHOSPHORUS, blood/ PHOSPHORUS, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREMIA, blood/ *UREMIA, metabolism/ UREMIA, physiopathology

1895. **Kaplan PE, Gandhavadi B, Richards L, et al:** Calcium balance in paraplegic patients: influence of injury duration and ambulation. Arch Phys Med Rehabil 59(10):447–50, Oct 78
ADOLESCENCE/ ADULT/ BED REST, adverse effects/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ *EARLY AMBULATION/ FEMALE/ HUMAN/ HYPERCALCEMIA, prevention & control/ MALE/ *PARAPLEGIA, metabolism/ *SPINAL CORD INJURIES, rehabilitation

1896. **Kaplan WD, Davis MA, Uren RF, et al:** A model for the radionuclide measurement of ascitic fluid volumes. J Nucl Med 19(10):1138–41, Oct 78
ANIMAL/ ASCITES, radionuclide imaging/ *ASCITIC FLUID, physiology/ DISEASE MODELS, ANIMAL/ FEMALE/ MICE/ MICE, INBRED C3H/ NEOPLASMS, EXPERIMENTAL, pathology/ OVARIAN NEOPLASMS, pathology/ *RADIONUCLIDE IMAGING/ *TECHNETIUM, diagnostic use/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1897. **Kaplay SS, Ramanadham M:** Erythrocyte membrane (Na+, K+) and (Mg++, Ca++) activated adenosine triphosphatases in women using oral contraceptives--a preliminary report. Contraception 18(3):287–93, Sep 78
*ADENOSINE TRIPHOSPHATASE, metabolism/ ADOLESCENCE/ ADULT/ CALCIUM, metabolism/ *CONTRACEPTIVES, ORAL/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ FEMALE/ HUMAN/ MAGNESIUM, metabolism/ MEMBRANE PROTEINS, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism

1898. **Kapoor CL, Krishna G:** A possible role for guanosine 3',5'-monophosphate in the stimulus-secretion coupling in exocrine pancreas. Biochim Biophys Acta 544(1):102–12, 15 Nov 78
AMYLASES, secretion/ ANIMAL/ ATROPINE, pharmacodynamics/ CAERULEIN, pharmacodynamics/ CARBACHOL, pharmacodynamics/ CHOLECYSTOKININ, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUINEA PIGS/ IN VITRO/ KINETICS/ MALE/ PANCREAS, drug effects/ *PANCREAS, metabolism/ PANCREAS, ultrastructure

1899. **Kapoor CP:** Studies on the oogonial cycle in Puntius ticto (Ham.) III. Formation of degenerated follicles. Z Mikrosk Anat Forsch 91(4):787–93, 1977
ANIMAL/ *CYPRINIDAE, anatomy & histology/ FEMALE/ GRANULOSA CELLS, cytology/ *OOGONIA, growth & development/ *OVARY, anatomy & histology/ *OVUM, growth & development/ THECA CELLS, cytology

1900. **Kapur K, Kamaldeep K, Toor HS:** The effect of fenitrothion on reproduction of a teleost fish, Cyprinus carpio communis Linn: a biochemical study. Bull Environ Contam Toxicol 20(4):438–42, Oct 78
ANIMAL/ *CYPRINIDAE, physiology/ FEMALE/ *FENITROTHION, pharmacodynamics/ HYDROXYSTEROID DEHYDROGENASES, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ *REPRODUCTION, drug effects/ SEX FACTORS/ TESTIS, drug effects

1901. **Karasek M:** Pineal--adenohypophysial relationships in rats. An ultrastructural contribution. Endokrynol Pol 29(5):371-9, Sep-Oct 78
ANIMAL/ FEEDBACK/ HYPOPHYSECTOMY/ MALE/ *PINEAL BODY, ultrastructure/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ RATS

1902. **Kardaszewicz E, Poręba R, Kowalski M:** Pomyślny przebieg ciąży i porodu u chorej leczonej od dzieciństwa na toczeń trzewny. Ginekol Pol 49(10):903-5, Oct 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ APGAR SCORE/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT, NEWBORN/ *LABOR COMPLICATIONS/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ PREDNISONE, therapeutic use/ *PREGNANCY COMPLICATIONS/ PREGNANCY

1903. **Karel I:** Diabetická retinopatie. Cesk Oftalmol 34(6):445-51, Nov 78 (61 ref.) (Eng. Abstr.) **(Cze)**
CALCIUM DOBESILATE, therapeutic use/ *DIABETIC RETINOPATHY/ DIABETIC RETINOPATHY, diagnosis/ DIABETIC RETINOPATHY, drug therapy/ DIABETIC RETINOPATHY, surgery/ DIATHERMY/ ENGLISH ABSTRACT/ ETHAMSYLATE, therapeutic use/ HUMAN/ HYPOPHYSECTOMY/ LIGHT COAGULATION/ METHODS/ REVIEW/ RUTIN, therapeutic use

1904. **Karg H, Vogt K:** Control of hormone treatment in animals and residues in meat--regulatory aspects and approaches in methodology. J Assoc Off Anal Chem 61(5):1201-8, Sep 78
BIOLOGICAL ASSAY/ EUROPE/ *FOOD CONTAMINATION, analysis/ FOOD CONTAMINATION, prevention & control/ *HORMONES, analysis/ LEGISLATION, FOOD/ *MEAT, analysis

1905. **Karim A:** Spironolactone: disposition, metabolism, pharmacodynamics, and bioavailability. Drug Metab Rev 8(1):151-88, 1978 (93 ref.)
ANIMAL/ BIOLOGICAL AVAILABILITY/ BIOTRANSFORMATION/ CANRENOATE POTASSIUM, metabolism/ DRUG COMBINATIONS/ ERYTHROCYTES, metabolism/ FOOD/ HALF-LIFE/ HUMAN/ HYDROCHLOROTHIAZIDE, metabolism/ KINETICS/ MILK, HUMAN, metabolism/ PROTEIN BINDING/ REVIEW/ SPECIES SPECIFICITY/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, metabolism/ TISSUE DISTRIBUTION

1906. **Karlberg BE, Kjellman BF, Kågedal B:** Treatment of endogenous depression with oral thyrotropin-releasing hormone and amitriptyline. Acta Psychiatr Scand 58(5):389-400, Nov 78
ADMINISTRATION, ORAL/ ADULT/ AGED/ AMITRIPTYLINE, administration & dosage/ AMITRIPTYLINE, adverse effects/ *AMITRIPTYLINE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DEPRESSION, drug therapy/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PSYCHIATRIC STATUS RATING SCALES/ THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, adverse effects/ THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN RELEASING HORMONE, therapeutic use/ THYROTROPIN, blood/ THYROXINE, blood

1907. **Karlsson Y:** Psykologisk, utmaning till medicinen: 'stress' tvångströja för forskningen? Nord Med 93(11-12):281-5, Dec 78 **(Swe)**
ATTITUDE/ ENDORPHINS/ HUMAN/ *RESEARCH/ SLEEP/ *STRESS/ STRESS, psychology/ WORK

1908. **Karstaedt N, Sagel SS, Stanley RJ, et al:** Computed tomography of the adrenal gland. Radiology 129(3):723-30, Dec 78
*ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND NEOPLASMS, radiography/ *ADRENAL GLANDS, radiography/ ADULT/ AGED/ CARCINOMA, radiography/ CUSHING'S SYNDROME, radiography/ CYSTS, radiography/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ PHEOCHROMOCYTOMA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

1909. **Kasai N, Uchida M, Sakamoto A, et al:** [Clinical studies on metastatic patterns of carcinoma of the thyroid (author's transl)] Nippon Gan Chiryo Gakkai Shi 13(5):537-45, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ENGLISH ABSTRACT/ HUMAN/ *LYMPHATIC METASTASIS, radiography/ MODELS, STRUCTURAL/ PROGNOSIS/ THYROID GLAND, radiography/ *THYROID NEOPLASMS, radiography

1910. **Kashio N, Nohara Y, Yamada Y, et al:** [5 cases of nodular goiter] Horumon To Rinsho 26(11):1219-22, Nov 78 **(Jpn)**
ADOLESCENCE/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *GOITER, NODULAR, diagnosis/ HUMAN/ MALE/ THYROID NEOPLASMS, diagnosis

1911. **Kasirajan N, Kamarusus Zaman SK, Amuthan V:** XY female: a case report of Mullerian and gonadal dysgenesis. J Assoc Physicians India 26(6):543-5, Jun 78
ADULT/ CASE REPORT/ FEMALE/ GONADS, pathology/ HUMAN/ PHENOTYPE/ *TURNER'S SYNDROME, pathology

1912. **Kastin AJ, Miller LH, Sandman CA, et al:** CNS and pituitary effects of hypothalamic peptides and MSH. Essays Neurochem Neuropharmacol 1:139-76, 1977 (211 ref.)
ANIMAL/ *BRAIN, drug effects/ CORTICOTROPIN, pharmacodynamics/ HUMAN/ *HYPOTHALAMIC HORMONES, pharmacodynamics/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MSH RELEASE INHIBITING HORMONE, pharmacodynamics/ *MSH, pharmacodynamics/ *PITUITARY GLAND, drug effects/ RATS/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1913. **Kastrup KW, Andersen HJ, Lebech P:** Somatomedin in newborns and the relationship to human chorionic somatotropin and fetal growth. Acta Paediatr Scand 67(6):757-62, Nov 78
AMNIOTIC FLUID, analysis/ BIRTH WEIGHT/ BODY HEIGHT/ FEMALE/ FETAL BLOOD, analysis/ *FETUS, physiology/ HUMAN/ *INFANT, NEWBORN/ *PLACENTAL LACTOGEN, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *SOMATOMEDIN, blood

1914. **Kasumova SIu:** Problemy klassifikatsii adenom gipofiza (obzor zarubezhnoĭ literatury. Zh Vopr Neirokhir (5):47-55, Sep-Oct 78 **(Rus)**
ADENOMA, BASOPHILIC, classification/ ADENOMA, CHROMOPHOBE, classification/ ADENOMA, EOSINOPHILIC, classification/ ADENOMA, EOSINOPHILIC, secretion/ CORTICOTROPIN, secretion/ FSH, secretion/ HUMAN/ *PITUITARY NEOPLASMS, classification/ PITUITARY NEOPLASMS, etiology/ PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, secretion/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion

1915. **Kasza L, Collins WT, Capen CC, et al:** Comparative toxicity of polychlorinated biphenyl and polybrominated biphenylin the rat thyroid gland: light and electron microscopic alterations after subacute dietary exposure. J Environ Pathol Toxicol 1(5):587-99, May-Jun 78
ANIMAL/ *BIPHENYL COMPOUNDS, toxicity/ COMPARATIVE STUDY/ DIET/ MALE/ *POLYBROMOBIPHENYL COMPOUNDS, toxicity/ *POLYCHLOROBIPHENYL COMPOUNDS, toxicity/ RATS/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROID GLAND, ultrastructure/ TIME FACTORS

1916. **Katayama H:** [Change of skin collagen in an experimental skin sclerosis, and effect of progesterone and dextran sulfate on the sclerotic change (author's transl)] Nippon Hifuka Gakkai Zasshi 88(10):627-41, Sep 78 **(Jpn)**
ADULT/ ANIMAL/ *COLLAGEN, metabolism/

*DEXTRANS, pharmacodynamics/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MICE/ MIDDLE AGE/ *PROGESTERONE, pharmacodynamics/ *SCLERODERMA, SYSTEMIC, metabolism/ *SKIN, metabolism

1917. **Katerenchuk IP:** Vliianie khoriogonadotropina na iaichniki i matku infantil'nykh krys posle vozdeistvii na mindalevidnye iadra. Probl Endokrinol (Mosk) 24(6):78–82, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*AMYGDALOID BODY, physiology/ ANIMAL/ *ANIMALS, NEWBORN, physiology/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, drug effects/ HYPOPHYSECTOMY/ ORGAN WEIGHT, drug effects/ *OVARY, drug effects/ RATS/ *UTERUS, drug effects

1918. **Katiyar VN, Enami J, Nandi S:** Effect of polypeptide hormones on stimulation of casein secretion by mouse mammary epithelial cells grown on floating collagen gels. In Vitro 14(9):771–4, Sep 78
*CASEIN, secretion/ COLLAGEN/ COMPARATIVE STUDY/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EPITHELIUM, drug effects/ EPITHELIUM, secretion/ FEMALE/ MAMMAE/ MICE/ *PITUITARY HORMONES, pharmacodynamics/ *PLACENTAL HORMONES, pharmacodynamics/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1919. **Kato R, Noguchi S, Rikihisa T, et al:** [A new method for making thyroglobulin sensitized cell using diamino-diphenyl-sulfone (DDS) (author's transl)] Rinsho Byori 26(7):619–22, Jul 78 **(Jpn)**
*ANTIGENS, immunology/ *DAPSONE, diagnostic use/ ERYTHROCYTE AGGREGATION/ *ERYTHROCYTES, immunology/ HUMAN/ *THYROGLOBULIN, immunology/ THYROID DISEASES, immunology

1920. **Kato Y, Nasu N, Takase T, et al:** Demonstration of somatomedin activity of 'multiplication-stimulating activity' in rabbit costal chondrocytes in culture.
J Biochem (Tokyo) 84(4):1001–4, Oct 78
ANIMAL/ *BLOOD PROTEINS, pharmacodynamics/ *CARTILAGE, metabolism/ CELL DIVISION, drug effects/ CELLS, CULTURED/ COLLAGEN, biosynthesis/ DNA, biosynthesis/ GLYCOSAMINOGLYCANS, metabolism/ PROTEINS, biosynthesis/ RABBITS/ *SOMATOMEDIN

1921. **Katori M:** [Kinin and prostaglandin systems]
Nippon Rinsho 36(8):2905–11, Aug 78 (42 ref.) **(Jpn)**
ANIMAL/ BLOOD PRESSURE, drug effects/ BRADYKININ, pharmacodynamics/ *BRADYKININ, physiology/ DOGS/ GUINEA PIGS/ NOCICEPTORS, physiology/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RATS/ REVIEW

1922. **Katz ME:** New directions in the treatment of breast cancer: hormone-binding receptors. Conn Med 42(12):761–5, Dec 78
ADRENALECTOMY/ ADULT/ *BREAST NEOPLASMS, therapy/ CASTRATION/ ESTROGEN ANTAGONISTS, therapeutic use/ ESTROGENS, SYNTHETIC, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *RECEPTORS, ESTROGEN

1923. **Katz MS, Kelly TM, Piñeyro MA, et al:** Activation of epinephrine and glucagon-sensitive adenylate cyclases of rat liver by cytosol protein factors. Role in loss of enzyme activities during preparation of particulate fractions, quantitation and partial characterization.
J Cyclic Nucleotide Res 4(5):389–407, Oct 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CYTOSOL, analysis/ CYTOSOL, metabolism/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ FEMALE/ GLUCAGON, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, isolation & purification/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ HEAT/ *LIVER, enzymology/ LIVER, ultrastructure/ MALE/ *PROTEINS, pharmacodynamics/ RATS

1924. **Katz S:** Calcium and sodium transport processes in patients with cystic fibrosis. I. A specific decrease in Mg2+-dependent, Ca2+-adenosine triphosphatase activity in erythrocyte membranes from cystic fibrosis patients.
Pediatr Res 12(11):1033–8, Nov 78
*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ADOLESCENCE/ ADULT/ *CALCIUM, metabolism/ *CYSTIC FIBROSIS, enzymology/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ FEMALE/ HUMAN/ *MAGNESIUM, metabolism/ MALE/ *SODIUM, metabolism

1925. **Katz SP, Kierszenbaum F, Waksman BH:** Mechanisms of action of 'lymphocyte-activating factor' (LAF). III. Evidence that LAF acts on stimulated lymphocytes by raising cyclic GMP in G1. J Immunol 121(6):2386–91, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CALCIUM, metabolism/ CELL CYCLE/ DNA, biosynthesis/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, cytology/ *LYMPHOKINES, pharmacodynamics/ MACROPHAGES, immunology/ MALE/ MERCAPTOETHANOL, pharmacodynamics/ PHYTOHEMAGGLUTININS, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1926. **Katznelson D, Gross S:** Guillain-Barré syndrome following the use of thiabendazole [letter] Acta Paediatr Scand 67(6):791–2, Nov 78
CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *POLYRADICULONEURITIS, chemically induced/ POLYRADICULONEURITIS, drug therapy/ PREDNISONE, therapeutic use/ THIABENDAZOLE, administration & dosage/ *THIABENDAZOLE, adverse effects

1927. **Kaufman L, Hosier K, Lorenz V, et al:** Imaging characteristics of a small germanium camera. Invest Radiol 13(3):223–32, May–Jun 78
ANIMAL/ BONE AND BONES, radionuclide imaging/ DATA DISPLAY/ ELECTRONICS/ GALLIUM RADIOISOTOPES, diagnostic use/ *GERMANIUM/ HUMAN/ IMAGE ENHANCEMENT/ *RADIOISOTOPES/ RADIOISOTOPES, diagnostic use/ *RADIONUCLIDE IMAGING, instrumentation/ RATS/ TECHNETIUM, diagnostic use/ TELLURIUM, diagnostic use/ THYROID GLAND, radionuclide imaging/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1928. **Kaul A, Noffz W:** Tissue dose in thorotrast patients.
Health Phys 35(1):113–21, Jul 78
BONE AND BONES, radiation effects/ COMPARATIVE STUDY/ HUMAN/ KIDNEY, radiation effects/ LUNG, radiation effects/ RADIOCHEMISTRY/ RADIUM, analysis/ RETICULOENDOTHELIAL SYSTEM, radiation effects/ *THORIUM DIOXIDE, administration & dosage/ TISSUE DISTRIBUTION

1929. **Kauli R, Prager-Lewin R, Laron Z:** Pubertal development in the Prader-Labhart-Willi syndrome. Acta Paediatr Scand 67(6):763–7, Nov 78
ADOLESCENCE/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPOTHALAMUS, physiopathology/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ PITUITARY GLAND, physiopathology/ PRADER-WILLI SYNDROME, complications/ *PRADER-WILLI SYNDROME, physiopathology/ PUBERTY, PRECOCIOUS, etiology/ *SEX MATURATION

1930. **Kawaguchi Y, Kimura Y, Yamamoto M, et al:** Effects of parathyroid hormone and dietary phosphorus on the decreased synthesis of 1,25-dihydroxyvitamin D3 in rats with graded reduction of nephron mass. Adv Exp Med Biol 103:505–7, 1978
ANIMAL/ *DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ *HYDROXYCHOLECALCIFEROLS, biosynthesis/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ *NEPHRONS, physiology/ *PARATHYROID HORMONE, pharmacodynamics/

*PHOSPHORUS, pharmacodynamics/ RATS/ TIME FACTORS

1931. **Kawaguchi Y, Shirozawa K, Nagahara S:** [Acute myelocytic leukemia in a child with an anterior mediastinal mass--an autopsy case] Nippon Rinsho 36(9):3276–8, 10 Sep 78 **(Jpn)**
CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *LEUKEMIA, MYELOBLASTIC, complications/ MEDIASTINAL NEOPLASMS, complications/ *MEDIASTINAL NEOPLASMS, pathology/ SARCOMA, RETICULUM CELL, complications/ *SARCOMA, RETICULUM CELL, pathology/ THYMUS NEOPLASMS, pathology

1932. **Kawahara K, Mitani H, Nokihara M, et al:** [Basedow's disease, Hashimoto's disease and HL-A antigens] Nippon Rinsho 36(9):3189–92, 10 Sep 78 **(Jpn)**
FEMALE/ *GOITER, EXOPHTHALMIC, immunology/ HUMAN/ *HL-A ANTIGENS, analysis/ MALE/ THYROIDITIS, LYMPHOMATOUS, familial & genetic/ *THYROIDITIS, LYMPHOMATOUS, immunology

1933. **Kawakami M:** [Mechanism of gonadotropin secretion in rats (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(9):1133–5, Sep 78 **(Jpn)**
ANIMAL/ *BRAIN, physiology/ ESTRADIOL, physiology/ ESTRUS/ FEMALE/ *LH, secretion/ RATS

1934. **Kawamura J, Daizyo K, Hosokawa S, et al:** Acute effects of salmon calcitonin on renal electrolyte excretion in intact, thyroparathyroidectomized and sulfacetylthiazole-induced uremic rats. Nephron 21(6):334–44, 1978
ANIMAL/ *CALCITONIN, pharmacodynamics/ CALCIUM, urine/ *ELECTROLYTES, metabolism/ *KIDNEY, metabolism/ PARATHYROID GLANDS, surgery/ PHOSPHATES, urine/ SALMON/ THIAZOLES/ THYROIDECTOMY/ UREMIA, chemically induced/ *UREMIA, metabolism

1935. **Kawamura M, Yabu H:** Selective inhibition of potassium contracture in guinea pig taenia coli by ruthenium red. Jpn J Physiol 28(4):447–60, 1978
ANIMAL/ CALCIUM, metabolism/ COLON, ultrastructure/ FEMALE/ GUINEA PIGS/ IN VITRO/ LANTHANUM, pharmacodynamics/ MALE/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, physiology/ *POTASSIUM, antagonists & inhibitors/ *RUTHENIUM RED, pharmacodynamics/ *RUTHENIUM, pharmacodynamics

1936. **Kawanishi K, Goto A, Ishida T, et al:** Potential endocrine effects of hypothalamic peptide 'neurotensin' on pancreas in dogs. Acta Med Okayama 32(4):301–8, Aug 78
ANIMAL/ BLOOD SUGAR, metabolism/ DOGS/ GLUCAGON, blood/ HYPOPHYSECTOMY/ INSULIN, blood/ *ISLANDS OF LANGERHANS, secretion/ *NEUROTENSIN, pharmacodynamics/ STIMULATION, CHEMICAL

1937. **Kawano N, Miyao M, Oshima I, et al:** [Secretory dynamics of gonadotropins in children with growth disorders during sleep and its clinical significance] Horumon To Rinsho 26(11):1104–9, Nov 78 **(Jpn)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ *DWARFISM, physiopathology/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ INFANT/ MALE/ *SLEEP

1938. **Kawano N, Endo S, Fukuda K, et al:** [Case of holoprosencephaly associated with a hypothalamo-hypophyseal disorder] Horumon To Rinsho 26(11):1181–8, Nov 78 **(Jpn)**
BRAIN DISEASES, complications/ *BRAIN, abnormalities/ CASE REPORT/ CHILD/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ MALE

1939. **Kawano S, Watanabe N, Goya N:** [Determination of somatomedin in the blood using the protein content of the cultured chondrocytes as an indicator] Horumon To Rinsho 26(11):1116–9, Nov 78 **(Jpn)**
*BIOLOGICAL ASSAY, methods/ *CARTILAGE, cytology/ CARTILAGE, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ *PROTEINS, analysis/ *SOMATOMEDIN, blood

1940. **Kawashima K, Nakaura S, Nagao S, et al:** Virilizing effect of testosterone and its metabolites on the urovaginal septum of female fetal rats. Endocrinol Jpn 25(4):309–13, Aug 78
ANDROSTENEDIONE, pharmacodynamics/ ANDROSTERONE, pharmacodynamics/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *FETUS, drug effects/ GESTATIONAL AGE/ PREGNANCY/ RATS/ *TESTOSTERONE, pharmacodynamics/ *URETHRA, drug effects/ *VAGINA, drug effects/ *VIRILISM, chemically induced/ VIRILISM, embryology

1941. **Kawashima S, Bern HA, Jones LA, et al:** Histometric study of the pituitary in mice treated neonatally with steroids and the relationship between prolactin cells and mammary tumorigenesis. Endocrinol Jpn 25(4):341–8, Aug 78
ANIMAL/ CASTRATION/ CELL NUMBER/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ MICE/ *PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, secretion/ *PROGESTERONE, pharmacodynamics/ PROLACTIN, pharmacodynamics/ *PROLACTIN, secretion

1942. **Kayes T:** Effects of hypophysectomy and beef growth hormone replacement therapy on morphometric and biochemical indicators of growth in the fed versus starved black bullhead (Ictalurus melas). Gen Comp Endocrinol 35(4):419–31, Aug 78
ANIMAL/ BODY WEIGHT/ CALORIC INTAKE/ DNA, metabolism/ ENERGY METABOLISM/ *FISHES, physiology/ HYPOPHYSECTOMY/ MUSCLES, metabolism/ *PITUITARY GLAND, physiology/ RNA, metabolism/ *SOMATOTROPIN, pharmacodynamics/ STARVATION, metabolism

1943. **Kazakov VM, Skoromets AA, Kovalenko TM, et al:** Neobychnoe sochetanie progressiruiushchei lipodistrofii (tipa Barraquer-Simons) i uzlovogo zoba v odnom rodu. Klin Med (Mosk) 56(11):134–9, Nov 78 **(Rus)**
ADULT/ AGED/ CASE REPORT/ FEMALE/ *GOITER, NODULAR, familial & genetic/ GOITER, NODULAR, pathology/ HUMAN/ *LIPODYSTROPHY, familial & genetic/ LIPODYSTROPHY, pathology/ MALE/ MIDDLE AGE/ PEDIGREE

1944. **Keck E, Schuier FJ, Thörner G, et al:** Symmetrische, intrakranielle Verkalkungen bei gestörter Nebenschilddrüsenfunktion. Med Klin 73(43):1507–12, 27 Oct 78 (Eng. Abstr.) **(Ger)**
ADULT/ *CALCINOSIS, etiology/ CALCIUM, metabolism/ DIHYDROTACHYSTEROL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MAGNESIUM, metabolism/ MALE/ MIDDLE AGE/ *PARATHYROID DISEASES, metabolism/ PARATHYROID HORMONE, secretion/ PHOSPHORUS, metabolism/ THYROID DISEASES, drug therapy/ THYROXINE, therapeutic use/ TOMOGRAPHY, COMPUTERIZED AXIAL/ VITAMIN D, therapeutic use

1945. **Keczkes K, Teasdale P, Wiseman RA, et al:** Plasma cortisol values after topical application of diflucortolone valerate (0.3%) or clobetasol propionate (0.05%) in psoriatic patients. Br J Dermatol 99(4):417–20, Oct 1978
*ADRENAL CORTEX HORMONES, therapeutic use/ *BETAMETHASONE, analogs & derivatives/ CLINICAL RESEARCH/ *CLOBETASOL, therapeutic use/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ DOUBLE-BLIND METHOD/ HUMAN/ *HYDROCORTISONE, blood/ *PSORIASIS, blood/ PSORIASIS, drug therapy

1946. **Kędzia H, Pisarski T:** Przydatność metod histochemicznych w diagnostyce nowotworów jajnika. Ginekol Pol 49(10):865–72, Oct 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY, methods/ HUMAN/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, enzymology

1947. **Keffer JG:** Hormone-receptor assays and cancer of the breast. The pathologist's role [editorial] Am J Clin Pathol 70(5):719–20, Nov 78
*BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, pathology/ FEMALE/ FREEZING/ *FROZEN SECTIONS/ HUMAN/ *MICROTOMY/ *RECEPTORS, ESTROGEN, analysis/

*RECEPTORS, PROGESTERONE, analysis/ REFRIGERATION/ *SPECIMEN HANDLING, methods/ TIME FACTORS

1948. **Keightley DD:** Hormone receptors and breast cancer. Aust NZ J Surg 48(3):270–5, Jun 78
*BREAST NEOPLASMS, analysis/ CYTOSOL, analysis/ *ESTRADIOL/ FEMALE/ HUMAN/ MYOMETRIUM, analysis/ NEOPLASM METASTASIS/ *RECEPTORS, ESTROGEN, analysis/ RECEPTORS, PROGESTERONE, analysis/ SPECIMEN HANDLING

1949. **Keiner F:** Toxische Leberschäden durch Alkohol und Chemikalien. Med Welt 29(51–52):2004–10, 22 Dec 78 **(Ger)**
*ALCOHOLISM, complications/ ANTITUBERCULAR AGENTS, adverse effects/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DAPSONE, adverse effects/ ENDOPLASMIC RETICULUM, drug effects/ FATTY LIVER, etiology/ HEPATITIS, ALCOHOLIC, pathology/ HUMAN/ LIVER CIRRHOSIS, ALCOHOLIC, pathology/ *LIVER DISEASES, chemically induced/ *LIVER DISEASES, ALCOHOLIC, etiology/ LIVER, drug effects/ LIVER, enzymology/ LIVER, physiopathology/ MALE/ MICROSOMES, LIVER, drug effects/ MIDDLE AGE/ POLYVINYL CHLORIDE, toxicity/ VINYL CHLORIDE, toxicity

1950. **Kelley DS, Becker JE, Potter VR:** Effect of insulin, dexamethasone, and glucagon on the amino acid transport ability of four rat hepatoma cell lines and rat hepatocytes in culture. Cancer Res 38(12):4591–600, Dec 78
*AMINOISOBUTYRIC ACID, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CELL LINE/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG INTERACTIONS/ *GLUCAGON, pharmacodynamics/ *HEPATOMA, EXPERIMENTAL, metabolism/ *INSULIN, pharmacodynamics/ LIVER, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1951. **Kellner BM, Cadenhead DA:** Fluorescent probes in model membranes. II. Monolayer studies of 2,2'-(vinylenedi-p-phenylene)bisbenzoxazole, d-3-aminodesoxyequilenin and N-octadecylnaphthyl-2-amino-6-sulfonic acid with host-lipid tetradecanoic acid. Biochim Biophys Acta 513(3):301–9, 16 Nov 78
*BENZOXAZOLES/ *EQUILENIN/ EQUILENIN, analogs & derivatives/ FLUORESCENCE/ *MEMBRANES, ARTIFICIAL/ *MYRISTIC ACIDS/ *NAPHTHALENESULFONATES/ SURFACE PROPERTIES/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *17-KETOSTEROIDS/ 17-KETOSTEROIDS, analogs & derivatives

1952. **Kellokumpu-Lehtinen PL, Söderström KO:** Occurrence of nuage in fetal human germ cells. Cell Tissue Res 194(1):171–7, 9 Nov 78
FEMALE/ GESTATIONAL AGE/ HUMAN/ MALE/ *OOGONIA, ultrastructure/ *ORGANOIDS, ultrastructure/ *OVARY, embryology/ *OVUM, ultrastructure/ *SPERMATOGONIA, ultrastructure/ *SPERMATOZOA, ultrastructure/ *TESTIS, embryology

1953. **Kelly WF, Anapliotou M, Joplin GF:** Pituitary ablation and its effect on diabetic retinopathy. Int Ophthalmol Clin 18(4):165–78, Winter 78
DIABETIC RETINOPATHY, physiopathology/ *DIABETIC RETINOPATHY, surgery/ HUMAN/ *HYPOPHYSECTOMY/ *PITUITARY GLAND, surgery/ PITUITARY HORMONES, physiology/ VISUAL ACUITY

1954. **Kember NF:** Cell kinetics and the control of growth in long bones. Cell Tissue Kinet 11(5):477–85, Sep 78
AGING/ ANIMAL/ *BONE DEVELOPMENT/ *CARTILAGE, growth & development/ CELL DIFFERENTIATION/ CELL DIVISION/ HUMAN/ OSSIFICATION, PHYSIOLOGIC/ RATS/ SEX HORMONES/ SOMATOTROPIN

1955. **Kemnitz JW, Goy RW, Keesey RE:** Effects of gonadectomy on hypothalamic obesity in male and female rats. Int J Obes 1(3):259–70, 1977
ADIPOSE TISSUE/ ANIMAL/ BODY COMPOSITION/ BODY WEIGHT/ *CASTRATION/ FEEDING BEHAVIOR/ FEMALE/ HYPOTHALAMUS, MEDIAL, physiology/ MALE/ *MODELS, BIOLOGICAL/ *OBESITY/ RATS/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1956. **Kenanoglu A, Tuncbilek E:** Accessory diaphragm in the left side. Pediatr Radiol 7(3):172–4, 26 Sep 78
BRONCHOGRAPHY/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ *DIAPHRAGM, abnormalities/ DIAPHRAGM, radiography/ FEMALE/ HUMAN/ LUNG, radiography/ MEDIASTINUM, radiography/ SPINA BIFIDA, complications/ TURNER'S SYNDROME, complications

1957. **Kendall DA, Narayana K:** Effect of oestradiol-17beta on monoamine concentrations in the hypothalamus of anoestrous ewe [proceedings] J Physiol (Lond) 282:44P–45P, Sep 78
ANESTRUS/ ANIMAL/ *DOPAMINE, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOTHALAMUS, metabolism/ LH, blood/ *NOREPINEPHRINE, metabolism/ *SEROTONIN, metabolism/ SHEEP

1958. **Kenis Y:** La chimiothérapie par voie générale dans le traitement du mycosis fongoïde. Dermatologica 157(6):407–14, 1978 (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ ALKALOIDS, administration & dosage/ ALKALOIDS, therapeutic use/ ALKYLATING AGENTS, administration & dosage/ ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, administration & dosage/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, ANTINEOPLASTIC, administration & dosage/ ANTIMETABOLITES, ANTINEOPLASTIC, therapeutic use/ ANTINEOPLASTIC AGENTS, administration & dosage/ *ANTINEOPLASTIC AGENTS, therapeutic use/ CLINICAL RESEARCH/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ HUMAN/ *MYCOSIS FUNGOIDES, drug therapy/ *SKIN NEOPLASMS, drug therapy

1959. **Kennett FF, Weglicki WB:** Lack of effect of methylprednisolone on lysosomal and microsomal enzymes after two hours of well-defined canine myocardial ischemia. Circ Res 43(5):759–68, Nov 78
*ACETYLGLUCOSAMINIDASE, metabolism/ ANIMAL/ COMPUTERS/ CORONARY CIRCULATION/ *CYTOCHROME OXIDASE, metabolism/ *CYTOCHROME REDUCTASES, metabolism/ DOGS/ *GLUCOSAMINIDASE, metabolism/ *GLUCURONIDASE, metabolism/ HEMODYNAMICS/ INDICATOR DILUTION TECHNICS/ INFUSIONS, PARENTERAL/ *LYSOSOMES, enzymology/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ *MICROSOMES, enzymology/ MYOCARDIAL INFARCTION, drug therapy/ *MYOCARDIAL INFARCTION, enzymology/ *MYOCARDIUM, enzymology/ REGRESSION ANALYSIS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1960. **Kennon S, Tasch EG, Arm RN:** Considerations in the management of patients taking oral contraceptives. J Am Dent Assoc 97(4):641–3, Oct 78
*CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ DRY SOCKET, chemically induced/ FEMALE/ GINGIVA, drug effects/ GINGIVAL DISEASES, chemically induced/ GINGIVAL EXUDATE, drug effects/ HUMAN/ HYPERTENSION, chemically induced/ MANDIBLE, drug effects/ *MOUTH, drug effects/ MYOCARDIAL INFARCTION, chemically induced/ THROMBOEMBOLISM, chemically induced/ TOOTH EXTRACTION

1961. **Keough EM, Wood BG:** The effects of adrenalectomy and cortisol treatment on cell types, other than corticotrophs, in the anterior pituitary of the mouse. Tissue Cell 10(3):563–70, 1978

*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ FEMALE/ GONADOTROPINS, PITUITARY/ *HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED C57BL/ ORGANOIDS, ultrastructure/ *PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, drug effects/ PROLACTIN/ SOMATOTROPIN/ THYROTROPIN/ UNITED STATES GOV'T SUPPORTED

1962. **Kercret H, Duval J:** Gonadoliberin-promoted release of gonadotropins and increased sensitivity of the pituitary by oestradiol-17beta. J Steroid Biochem 9(8):761-6, Aug 78
ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ *FSH, secretion/ *LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ RATS/ STANOLONE, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

1963. **Kern M, Módis L, Antal M, et al:** Polarisationsmikroskopische Beobachtungen an pathologischer Knorpelgrundsubstanz. Acta Histochem [Suppl] (Jena) 15:361-6, 1975 **(Ger)**
AMINOPROPIONITRILE/ ANIMAL/ *CARTILAGE, ultrastructure/ *CARTILAGE, ARTICULAR, ultrastructure/ *COLLAGEN, analysis/ COMPARATIVE STUDY/ EPIPHYSES/ *LATHYRISM, pathology/ *MICROSCOPY, POLARIZATION/ *MUCOPOLYSACCHARIDES, analysis/ RATS/ *RICKETS, pathology/ STAINS AND STAINING

1964. **Kersten W, Stevens E, Hoek GT:** Mögliche nicht-immunologische Mechamismen beim atopischen Asthma bronchiale. Fortschr Med 96(47-48):2349-52, 14 Dec 78 (Eng. Abstr.) **(Ger)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ASTHMA, familial & genetic/ *ASTHMA, immunology/ ASTHMA, prevention & control/ *COMPLEMENT, metabolism/ ENGLISH ABSTRACT/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ MAST CELLS, metabolism/ N-ISOPROPYLATROPINE, therapeutic use/ RECEPTORS, ADRENERGIC, BETA, metabolism

1965. **Ketonen L:** Computerized tomography for diagnosis of supratentorial tumors. Acta Neurol Scand [Suppl] 57(69):153-64, 1978
ASTROCYTOMA, radiography/ *BRAIN NEOPLASMS, radiography/ CRANIOPHARYNGIOMA, radiography/ GLIOMA, radiography/ HUMAN/ MENINGEAL NEOPLASMS, radiography/ MENINGIOMA, radiography/ NEOPLASM METASTASIS/ PITUITARY NEOPLASMS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

1966. **Ketterl W:** Die marginalen Zahnbetterkrankungen. Kurzer Wegweiser für den Arzt. MMW 120(49):1631-2, 8 Dec 78 **(Ger)**
DENTAL CARE/ DRUG HYPERSENSITIVITY, complications/ ENDOCRINE DISEASES, complications/ GINGIVA, microbiology/ *GINGIVAL DISEASES/ GINGIVAL DISEASES, diagnosis/ GINGIVAL DISEASES, therapy/ GINGIVITIS, etiology/ HEMATOLOGIC DISEASES, complications/ HUMAN/ METABOLIC DISEASES, complications/ ORAL HYGIENE/ PERIODONTITIS, etiology/ SEX HORMONES

1967. **Keutmann HT, Dawson B, Bishop WH, et al:** Structure of human luteinizing hormone alpha subunit. Endocr Res Commun 5(1):57-70, 1978
AMINO ACID SEQUENCE/ HUMAN/ *LH/ PEPTIDE FRAGMENTS, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1968. **Khairi MR, Johnston CC Jr:** What we know--and don't know--about bone loss in the elderly. Geriatrics 33(11):67-76, Nov 78
AGE FACTORS/ AGED/ BONE AND BONES, metabolism/ FRACTURES, SPONTANEOUS, etiology/ HUMAN/ OSTEOMALACIA, complications/ *OSTEOPOROSIS/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, etiology/ SPINAL INJURIES, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1969. **Khan SA:** Treatment of non-inflammatory dermatoses. A double-blind comparison of 1% hydrocortisone plus 10% urea and 0.05% fluocinonide. Practitioner 221(1322):265-7, Aug 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DERMATITIS, drug therapy/ DOUBLE-BLIND METHOD/ DRUG COMBINATIONS/ ECZEMA, drug therapy/ FEMALE/ *FLUOCINOLONE ACETONIDE, analogs & derivatives/ *FLUOCINONIDE, therapeutic use/ HUMAN/ *HYDROCORTISONE, TOPICAL, therapeutic use/ MALE/ MIDDLE AGE/ UREA, therapeutic use

1970. **Khar A, Debeljuk L, Jutisz M:** Biosynthesis of gonadotropins by rat pituitary cells in culture and in pituitary homogenates: effect of gonadotropin-releasing hormone. Mol Cell Endocrinol 12(1):53-65, Oct 78
AMINO ACIDS, metabolism/ ANIMAL/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ FEMALE/ *FSH, biosynthesis/ GLUCOSAMINE, metabolism/ KINETICS/ *LH, biosynthesis/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, metabolism/ PUROMYCIN, pharmacodynamics/ RATS

1971. **Khattab TY, Jequier AM:** Relationships between prolactin and follicle-stimulating hormone during early pregnancy and the puerperium. J Endocrinol 78(3):351-8, Sep 78
FEMALE/ *FSH, blood/ HUMAN/ LACTATION/ *PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ *PROLACTIN, blood/ *PUERPERIUM/ 2-BROMOERGOCRYPTINE, pharmacodynamics

1972. **Khodr G, Siler-Khodr TM:** The effect of luteinizing hormone-releasing factor on human chorionic gonadotropin secretion. Fertil Steril 30(3):301-4, Sep 78
FEMALE/ GESTATIONAL AGE/ *GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ PLACENTA, drug effects/ *PLACENTA, secretion/ PLACENTAL LACTOGEN, secretion/ PREGNANCY/ TISSUE CULTURE

1973. **Kiang DT, Frenning DH, Goldman AI, et al:** Estrogen receptors and responses to chemotherapy and hormonal therapy in advanced breast cancer. N Engl J Med 299(24):1330-4, 14 Dec 78
ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, therapy/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ *RECEPTORS, ESTROGEN, analysis/ RETROSPECTIVE STUDIES/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1974. **Kiarner IuK, Teesalu SA:** Ul'trastruktura atsinarnykh kletok podzheludochnoĭ zhelezy pod vliianiem pankreozimina, serotonina i gistamina. Fiziol Zh SSSR 64(9):1311-3, Sep 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *CHOLECYSTOKININ, pharmacodynamics/ COMPARATIVE STUDY/ CYTOPLASMIC GRANULES, ultrastructure/ ENGLISH ABSTRACT/ GOLGI APPARATUS, ultrastructure/ HISTAMINE, pharmacodynamics/ MALE/ MICE/ *PANCREAS, drug effects/ PANCREAS, ultrastructure/ *SEROTONIN, pharmacodynamics

1975. **Kienia AI:** Issledovanie metodom intragastral'noĭ pH-grafii dinamiki kislotoobrazovaniia v zheludke sobak pod vliianiem tireoidina. Biull Eksp Biol Med 86(11):522-5, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ DOGS/ ENGLISH ABSTRACT/ *GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, secretion/ HYDROGEN-ION CONCENTRATION/ *THYROID HORMONES, pharmacodynamics

1976. **Kiessling KH, Pettersson H:** Metabolism of zearalenone in rat liver. Acta Pharmacol Toxicol (Copenh) 43(4):285-90, Oct 78
ANIMAL/ GLUCURONATES, metabolism/

ISOMERISM/ LIVER, cytology/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ NAD, pharmacodynamics/ NADPH CYTOCHROME C REDUCTASE, metabolism/ OXIDATION-REDUCTION/ RATS/ *RESORCINOLS, metabolism/ *ZEARALENONE, metabolism

1977. **Kigoshi S:** Relationship between lymphoid cell population and levels of cholesterol or phospholipids. Experientia 34(9):1222-4, 15 Sep 78
ANIMAL/ B-LYMPHOCYTES, metabolism/ *CHOLESTEROL, metabolism/ CORTISONE, pharmacodynamics/ FEMALE/ *LYMPHOCYTES, metabolism/ *MEMBRANE LIPIDS, metabolism/ MICE/ *PHOSPHOLIPIDS, metabolism/ T-LYMPHOCYTES, metabolism/ THYMUS GLAND, metabolism

1978. **Kikuchi R, Kinemuchi H:** [Evidence for existence of type A MAO in mitochondria from human placenta (author's transl)] Nippon Yakurigaku Zasshi 74(6):763-72, Sep 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ *MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ MONOAMINE OXIDASE, isolation & purification/ *MONOAMINE OXIDASE, metabolism/ PLACENTA, cytology/ *PLACENTA, enzymology/ PREGNANCY/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ SUBSTRATE SPECIFICITY/ TIME FACTORS/ TRYPSIN, pharmacodynamics

1979. **Kim DN, Lee KT, Reiner JM, et al:** Effects of a soy protein product on serum and tissue cholesterol concentrations in swine fed high-fat, high-cholesterol diets. Exp Mol Pathol 29(3):385-99, Dec 78
ANIMAL/ AORTA, metabolism/ CHOLESTEROL, blood/ *CHOLESTEROL, metabolism/ *CHOLESTEROL, DIETARY, administration & dosage/ *DIETARY FATS, administration & dosage/ LIVER, metabolism/ METHIONINE, pharmacodynamics/ *PLANT PROTEINS, pharmacodynamics/ *SOY BEANS/ STEROIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1980. **Kim JC, Abee CR, Wolf RH:** Acute gastric dilatation and rickets in a pet spider monkey (Ateles geoffroyi). VM SAC 73(10):1303-6, Oct 78
ACUTE DISEASE/ CASE REPORT/ HUMAN/ MALE/ *MONKEY DISEASES/ MONKEYS/ *RICKETS, veterinary/ *STOMACH DILATATION, veterinary/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1981. **Kim MH, Hambrick CS, Keating WJ, et al:** Continuing education examination article. Estrogen therapy. Ohio State Med J 74(11):691-706, Nov 78
ADULT/ AFFECTIVE DISTURBANCES, drug therapy/ AGE FACTORS/ AGED/ BREAST NEOPLASMS, chemically induced/ CLIMACTERIC, drug effects/ CONTRACEPTIVES, ORAL, HORMONAL/ ENDOMETRIAL HYPERPLASIA, chemically induced/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE

1982. **Kim TH, Lui VK, Woodruff RD, et al:** Testicular biopsy prior to termination of leukemic therapy. J Pediatr 94(1):95-6, Jan 79
BIOPSY/ CASE REPORT/ HUMAN/ INFANT/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ MALE/ TESTICULAR NEOPLASMS, drug therapy/ *TESTICULAR NEOPLASMS, pathology/ *TESTIS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1983. **Kim YS, Kolattukudy PE:** Malonyl-CoA decarboxylase from the mammary gland of lactating rat. Purification, properties and subcellular localization. Biochim Biophys Acta 531(2):187-96, 22 Nov 78
ANIMAL/ CARBOXY-LYASES, isolation & purification/ *CARBOXY-LYASES, metabolism/ FEMALE/ KINETICS/ LACTATION/ MALONYL COENZYME A/ *MAMMAE, enzymology/ MOLECULAR WEIGHT/ PREGNANCY/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1984. **Kim YS, Stumpf WE, Sar M:** Topography of estrogen target cells in the forebrain of goldfish, Carassius auratus. J Comp Neurol 182(4):611-20, 15 Dec 78
ANIMAL/ BRAIN MAPPING/ COMPARATIVE STUDY/ *CYPRINIDAE, anatomy & histology/ *DIENCEPHALON, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ *GOLDFISH, anatomy & histology/ HYPOTHALAMUS, metabolism/ MALE/ SEX FACTORS/ *TELENCEPHALON, metabolism/ THALAMIC NUCLEI, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1985. **Kimball FA, Porteus SE:** Effect of in vivo prostaglandin treatment on 3H-PGF2alpha uptake in hamster corpora lutea. Prostaglandins 16(3):427-32, Sep 78
ANIMAL/ *CORPUS LUTEUM, metabolism/ DEPRESSION, CHEMICAL/ FEMALE/ HAMSTERS/ PREGNANCY/ PROGESTERONE, blood/ PROSTAGLANDINS F, administration & dosage/ *PROSTAGLANDINS F, metabolism/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS X, administration & dosage/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS

1986. **Kimberg DV:** The ubiquitous prostaglandins and their role in ulcerative colitis [editorial] Gastroenterology 75(4):748-50, Oct 78
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ COLITIS, ULCERATIVE, drug therapy/ *COLITIS, ULCERATIVE, etiology/ COLITIS, ULCERATIVE, metabolism/ HUMAN/ INTESTINE, SMALL, secretion/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ SALICYLAZOSULFAPYRIDINE, pharmacodynamics

1987. **Kincade PW, Moore MA, Lee G, et al:** Colony-forming B cells in F1 hybrid and transplanted CBA/N mice. Cell Immunol 40(2):294-302, Oct 78
ANIMAL/ ANTIGENS, SURFACE/ *B-LYMPHOCYTES, immunology/ CELLS, CULTURED/ FEMALE/ GENES/ *HEMATOPOIETIC STEM CELLS, transplantation/ HYBRIDIZATION/ IMMUNOGLOBULINS, biosynthesis/ LINKAGE (GENETICS)/ MALE/ MICE/ MICE, INBRED CBA/ MICE, INBRED DBA/ PASSIVE TRANSFER/ SEX CHROMOSOME ABNORMALITIES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X CHROMOSOME

1988. **Kinch R, Lough J:** Focal nodular hyperplasia of the liver and oral contraceptives. Am J Obstet Gynecol 132(7):717-27, 1 Dec 78
ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ FEMALE/ *HEPATCMA, chemically induced/ HEPATOMA, pathology/ HUMAN/ HYPERPLASIA/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, pathology/ LIVER, pathology/ MESTRANOL, adverse effects/ MIDDLE AGE/ NORETHINDRONE, adverse effects/ NORGESTREL, adverse effects

1989. **King CR, Magenis E:** Turner syndrome in the offspring of artificially inseminated pregnancies. Fertil Steril 30(5):604-5, Nov 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *INSEMINATION, ARTIFICIAL, adverse effects/ *INSEMINATION, ARTIFICIAL, HETEROLOGOUS, adverse effects/ PREGNANCY/ *TURNER'S SYNDROME, etiology

1990. **King CR, Magenis E, Bennett S:** Pregnancy and the Turner syndrome. Obstet Gynecol 52(5):617-24, Nov 78
ABNORMALITIES, familial & genetic/ ADULT/ CASE REPORT/ CHROMOSOME BANDING/ FEMALE/ GRAAFIAN FOLLICLE, pathology/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ MOSAICISM/ *PREGNANCY/ QUINACRINE/ *TURNER'S SYNDROME/

TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, pathology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1991. **King CR, Lovrien EW:** Chorioangioma of the placenta and intrauterine growth failure. J Pediatr 93(6):1027–8, Dec 78
CASE REPORT/ FEMALE/ *FETAL GROWTH RETARDATION, etiology/ *HEMANGIOMA, complications/ HUMAN/ INFANT, NEWBORN/ *PLACENTA DISORDERS, complications/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1992. **King LE Jr, Fedinec AA, Latham WC:** Effects of cyclic nucleotides on tetanus toxin paralyzed rabbit sphincter pupillae muscles. Toxicon 16(6):625–31, 1978
ANIMAL/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ LIGHT/ MALE/ *MUSCLE CONTRACTION, drug effects/ *NUCLEOTIDES, CYCLIC, pharmacodynamics/ *PUPIL, drug effects/ RABBITS/ *TETANUS ANTITOXIN/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1993. **King RJ, Barnes DM, Hawkins RA, et al:** Measurement of oestradiol receptors by five institutions on common tissue samples. Br J Cancer 38(3):428–30, Sep 78
*BREAST NEOPLASMS, analysis/ *ESTRADIOL/ FEMALE/ GREAT BRITAIN/ HUMAN/ METHODS/ *RECEPTORS, ESTROGEN, analysis/ SULFHYDRYL COMPOUNDS/ TISSUE PRESERVATION

1994. **Kingston PJ, Bannerman CE, Bannerman RM:** Iron deficiency anaemia in newborn sla mice: a genetic defect of placental iron transport. Br J Haematol 40(2):265–76, Oct 78
ANEMIA, HYPOCHROMIC, congenital/ *ANEMIA, HYPOCHROMIC, familial & genetic/ ANEMIA, HYPOCHROMIC, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ BIRTH ORDER/ BODY WEIGHT/ FEMALE/ GENOTYPE/ HEMOGLOBINS, analysis/ *IRON, metabolism/ MALE/ *MATERNAL-FETAL EXCHANGE/ MICE/ *MICE, INBRED C57BL, genetics/ PLACENTA, metabolism/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1995. **Kinne R:** Current concepts of renal proximal tubular function. Contrib Nephrol 14:14–24, 1978
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CHLORIDES, metabolism/ HUMAN/ KIDNEY TUBULES, PROXIMAL, enzymology/ KIDNEY TUBULES, PROXIMAL, metabolism/ *KIDNEY TUBULES, PROXIMAL, physiology/ MICROVILLI, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ SODIUM, metabolism

1996. **Kinoshita F, Maekawa A, Funahashi T, et al:** [Thyroid function test by GammaCoat T3 uptake kit (author's transl)] Radioisotopes 27(9):533–5, Sep 78 **(Jpn)**
EVALUATION STUDIES/ HUMAN/ *PROTEIN-BOUND IODINE TEST, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ THYROID DISEASES, blood/ *TRIIODOTHYRONINE, blood

1997. **Kinouchi T:** [Tissue distribution and turnover of Ca and P] Nippon Rinsho 36(10):3330–6, Oct 78 **(Jpn)**
ADULT/ *CALCIUM, metabolism/ HUMAN/ INFANT, NEWBORN/ KINETICS/ MODELS, BIOLOGICAL/ *PHOSPHORUS, metabolism/ TISSUE DISTRIBUTION

1998. **Kirchner KA, Kotchen TA, Galla JH, et al:** Importance of chloride for acute inhibition of renin by sodium chloride. Am J Physiol 235(5):F444–50, Nov 78
AMINO ACIDS, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ BLOOD VOLUME, drug effects/ *CHLORIDES, pharmacodynamics/ *DIURESIS, drug effects/ GLOMERULAR FILTRATION RATE, drug effects/ HYDROGEN-ION CONCENTRATION/ MALE/ NATRIURESIS, drug effects/ RATS/ *RENIN, blood/ *SODIUM CHLORIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE, drug effects

1999. **Kiricuta I, Frenkel Z, Munteanu S:** Levels of principal 17-ketosteroid fractions in urine of breast cancer patients with or without malignant evolutive push. Arch Geschwulstforsch 48(6):565–8, 1978
ADULT/ ANDROSTERONE, urine/ *BREAST NEOPLASMS, metabolism/ DEHYDROEPIANDROSTERONE, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM INVASIVENESS/ *17-KETOSTEROIDS, urine

2000. **Kirkegaard C, Faber J, Friis T, et al:** L--3',5'--diiodothyronine in human serum [letter] Lancet 2(8102):1255, 9 Dec 78
ACUTE DISEASE/ *DIIODOTHYRONINES, blood/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ LIVER CIRRHOSIS, blood/ MYOCARDIAL INFARCTION, blood/ *THYRONINES, blood/ UREMIA, blood

2001. **Kirschenbaum MA, Kleeman CR:** Prostaglandins and divalent cation metabolism. Adv Exp Med Biol 103:283–97, 1978 (43 ref.)
ANIMAL/ BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CALCIUM, metabolism/ *CATIONS, DIVALENT, metabolism/ HUMAN/ NEOPLASMS, metabolism/ PHOSPHORUS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ REVIEW/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2002. **Kisailus EC, Kabat EA:** A study of the specificity of Bandeiraea simplicifolia lectin I by competitive-binding assay with blood-group substances and with blood-group A and B active and other oligosaccharides. Carbohydr Res 67(1):243–55, Nov 78
ANIMAL/ ANTIBODY SPECIFICITY/ *ABO BLOOD-GROUP SYSTEM/ BINDING, COMPETITIVE/ GASTRIC MUCOSA/ HAPTENS/ HORSES/ HUMAN/ *LECTINS/ OLIGOSACCHARIDES/ OVARIAN CYSTS, blood/ SALIVA/ SWINE

2003. **Kiss T, Rózsa KS:** Pharmacological properties of 5-HT-receptors of the Helix pomatia 1. (Gastropoda) heart muscle cells. Comp Biochem Physiol [C] 61C(1):41–6, 1978
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEART, drug effects/ HEART, physiology/ *HELIX (SNAILS), physiology/ *MEMBRANE POTENTIALS, drug effects/ *MYOCARDIUM, cytology/ RECEPTORS, SEROTONIN, analysis/ *RECEPTORS, SEROTONIN, physiology/ *SEROTONIN, pharmacodynamics

2004. **Kistler A:** Inhibition of vitamin A action in rat bone cultures by inhibitors of RNA and protein synthesis. Experientia 34(9):1159–61, 15 Sep 78
AMANITINS, pharmacodynamics/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEOXYADENOSINE, pharmacodynamics/ DNA, metabolism/ ORGAN CULTURE/ PROTEINS, metabolism/ PROTEOGLYCANS, metabolism/ RNA, metabolism/ TRANSCRIPTION, GENETIC, drug effects/ *TRETINOIN, antagonists & inhibitors/ *VITAMIN A, analogs & derivatives

2005. **Kita T:** [Studies on hypertension: I) The effects of angiotensin II and norepinephrine infusion on renal hemodynamics and renin angiotensin system in anesthetized dogs. II) The metabolism of 3H-DOPA in two kidney Goldblatt dogs (author's transl)] Nippon Jinzo Gakkai Shi 20(8):931–41, Aug 78 (Eng. Abstr.) **(Jpn)**
ALDOSTERONE, blood/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ CATECHOLAMINES, blood/ DOGS/ *DOPA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *HEMODYNAMICS, drug effects/ *HYPERTENSION, RENAL, physiopathology/ HYPERTENSION, RENOVASCULAR, metabolism/ *HYPERTENSION, RENOVASCULAR, physiopathology/ *KIDNEY, blood supply/ KIDNEY, physiopathology/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ PLETHYSMOGRAPHY/ RENIN, blood

2006. **Kitamura S, Ishihara Y, Yotsumoto H, et al:** [A study on biosynthesis of prostaglandin-like substances through isolated perfused guinea-pig lung lobes (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(9):699–704, Sep 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ ENGLISH ABSTRACT/ GUINEA PIGS/ IN VITRO/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ PERFUSION/ *PROSTAGLANDINS, biosynthesis

2007. **Kitamura Y, Okamoto S, Uchida N, et al:** Effect of androgen depletion on growth and androgen dependency of Shionogi carcinoma 115. Cancer Res 38(12):4711–6, Dec 78
ANIMAL/ FEMALE/ MALE/ *MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ MICE/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ RECEPTORS, ANDROGEN/ REMISSION/ *TESTOSTERONE, administration & dosage/ TRANSPLANTATION, HOMOLOGOUS

2008. **Kjellstrand CM, Alfrey AC, Eaton JW, et al:** Toxicity of materials and medications used in dialysis. Trans Am Soc Artif Intern Organs 24:764–9, 1978
ALUMINUM, adverse effects/ ANDROGENS, adverse effects/ CALCIUM, adverse effects/ *DIALYSIS, adverse effects/ HUMAN/ IRON, adverse effects/ PLASTICIZERS, adverse effects/ PLASTICS, adverse effects/ STERILIZATION/ VITAMINS, adverse effects/ WATER, pharmacodynamics

2009. **Klahr S, Slatopolsky E:** Urinary phosphate and cyclic AMP in pseudohypoparathyroidism. Adv Exp Med Biol 103:173–85, 1978 (34 ref.)
ACETAZOLAMIDE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ANIMAL/ CHOLECALCIFEROLS, metabolism/ HUMAN/ PARATHYROID HORMONE, physiology/ *PHOSPHATES, urine/ *PSEUDOHYPOPARATHYROIDISM, urine/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2010. **Klantsa NA:** Pokazateli lipidnogo obmena u bol'nykh ishemicheskoi bolezn'iu serdtsa i ekskretsiia 17-ketosteroidov. Vrach Delo (11):91–3, Nov 78 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LIPIDS, metabolism/ MALE/ MIDDLE AGE/ *17-KETOSTEROIDS, urine

2011. **Klass DJ:** Lung tissue guanosine 3',5'-monophosphate: effects of ventilation and anesthesia. J Appl Physiol 45(4):487–94, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ INTERMITTENT POSITIVE PRESSURE VENTILATION/ *LUNG, metabolism/ MALE/ MICROWAVES/ *PENTOBARBITAL, pharmacodynamics/ RATS/ RESPIRATION/ *VENTILATION

2012. **Kledzik GS, Cusan L, Auclair C, et al:** Inhibition of ovarian luteinizing hormone (LH) and follicle-stimulating hormone receptor levels with an LH-releasing hormone agonist during the estrous cycle in the rat. Fertil Steril 30(3):348–53, Sep 78
ANIMAL/ DEPRESSION, CHEMICAL/ *ESTRUS, drug effects/ FEMALE/ *FSH, metabolism/ GONADOTROPINS, PITUITARY, blood/ *LH, metabolism/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ *OVARY, drug effects/ OVARY, metabolism/ PROGESTERONE, blood/ PROLACTIN, metabolism/ RATS/ *RECEPTORS, HORMONE, drug effects

2013. **Klein KL, Kurokawa K:** Metabolic and endocrine alterations in end-stage renal failure. Postgrad Med 64(5):99–108, Nov 78
ANEMIA, etiology/ BLOOD SUGAR, metabolism/ GASTRINS, blood/ HEMODIALYSIS/ HUMAN/ HYPERLIPEMIA, etiology/ INSULIN, metabolism/ KIDNEY FAILURE, CHRONIC, complications/ SEX HORMONES, blood/ SOMATOTROPIN, blood/ THYROID DISEASES, complications/ THYROID DISEASES, diagnosis/ TRIGLYCERIDES, blood/ UREMIA, complications/ *UREMIA, metabolism

2014. **Kleinmann D:** Sport bei Lungenerkrankungen und Skelettstörungen. ZFA (Stuttgart) 54(34):1761–2, 10 Dec 78 **(Ger)**
*BONE DISEASES/ HUMAN/ *LUNG DISEASES/ OSTEOPOROSIS/ SPORT MEDICINE/ *SPORTS

2015. **Kleitke B, Wollenberger A:** Accelerated RNA and protein synthesis in mitochondria isolated from unperfused myocardium. Possible involvement of cyclic AMP. J Mol Cell Cardiol 10(9):827–45, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ *CORONARY DISEASE, metabolism/ DNA, biosynthesis/ IN VITRO/ KINETICS/ MALE/ MITOCHONDRIA, HEART, drug effects/ *MITOCHONDRIA, HEART, metabolism/ *MUSCLE PROTEINS, biosynthesis/ RATS/ *RNA, biosynthesis/ THEOPHYLLINE, pharmacodynamics/ URIDINE MONOPHOSPHATE, metabolism/ URIDINE TRIPHOSPHATE, metabolism/ URIDINE, metabolism

2016. **Klemi PJ, Nevalainen TJ:** Pathology of mucinous ovarian cystadenomas. 2. Ultrastructural findings. Acta Pathol Microbiol Scand [A] 86A(6):471–81, Nov 78
ADULT/ AGED/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/ *CYSTADENOMA, MUCINOUS, ultrastructure/ CYTOPLASM, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ ENTEROCHROMAFFIN CELLS, ultrastructure/ EPITHELIUM, ultrastructure/ FEMALE/ HUMAN/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ *OVARIAN NEOPLASMS, ultrastructure/ OVARY, ultrastructure

2017. **Klemi PJ:** Pathology of mucinous ovarian cystadenomas. I. Argyrophil and argentaffin cells and epithelial mucosubstances. Acta Pathol Microbiol Scand [A] 86A(6):465–70, Nov 78
ADULT/ AGE FACTORS/ *CYSTADENOMA, MUCINOUS, pathology/ ENTEROCHROMAFFIN CELLS, pathology/ EPITHELIUM, pathology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MIDDLE AGE/ MUCINS/ *OVARIAN NEOPLASMS, pathology/ OVARY, pathology

2018. **Klemi PJ, Nevalainen TJ:** Ultrastructural and histochemical observations on serous ovarian cystadenomas. Acta Pathol Microbiol Scand [A] 86(4):303–12, Jul 78
ADULT/ AGED/ CYSTADENOMA, analysis/ CYSTADENOMA, pathology/ *CYSTADENOMA, ultrastructure/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MIDDLE AGE/ MUCINS, analysis/ OVARIAN NEOPLASMS, analysis/ OVARIAN NEOPLASMS, pathology/ *OVARIAN NEOPLASMS, ultrastructure

2019. **Klemmer PJ, Hadler NM:** Subacute fluorosis: a consequence of abuse of an organofluoride anesthetic. Ann Intern Med 89(5 Pt 1):607–11, Nov 78
ACUTE DISEASE/ ADULT/ BONE AND BONES, metabolism/ CASE REPORT/ CHRONIC DISEASE/ *DRUG ABUSE/ FEMALE/ FLUORIDES, metabolism/ HUMAN/ HYPERTENSION, chemically induced/ KIDNEY DISEASES, chemically induced/ *METHOXYFLURANE, poisoning/ OSTEOSCLEROSIS, chemically induced/ PERIOSTITIS, chemically induced/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2020. **Klempa I, Steinau U, Frei U, et al:** Morphologische Aspekte der Parathyreoideatransplantation. Beitrag zur klinischen Relevanz des induzierten, invasiven Gewebswachstums. Chirurg 49(11):704–10, Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ MALE/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, surgery/ *PARATHYROID GLANDS, transplantation/ *TISSUE THERAPY, methods/ TRANSPLANTATION, AUTOLOGOUS

2021. **Kley HK, Elsässer W, Dehnen H, et al:** Evaluation of adrenal function in rats by the measurement of urinary free corticosterone, free aldosterone and free

11-deoxycorticosterone. Steroids 32(2):223-32, Sep 78
*ADRENAL CORTEX, physiology/ *ALDOSTERONE, urine/ ANIMAL/ COLD/ *CORTICOSTERONE, urine/ CORTICOTROPIN, diagnostic use/ *DESOXYCORTICOSTERONE, urine/ DEXAMETHASONE, diagnostic use/ ETHER, ETHYL, diagnostic use/ HUNGER, physiology/ MALE/ METHODS/ METYRAPONE, diagnostic use/ RATS/ RESERPINE, diagnostic use/ STRESS, urine

2022. **Kley HK:** Die Behandlung der Nebennierenrindeninsuffizienz. Hippokrates 49(4):336-9, Nov 78 **(Ger)**
*ADRENAL GLAND HYPOFUNCTION, drug therapy/ HUMAN/ *HYDROCORTISONE, administration & dosage

2023. **Klimova NF:** Taktika lecheniia bol'nykh mielofibrozom. Probl Gematol Pereliv Krovi 23(11):31-5, 1978 **(Rus)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ANDROGENS, therapeutic use/ ANTINEOPLASTIC AGENTS, therapeutic use/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ FEMALE/ HEMATOPOIESIS, drug effects/ HUMAN/ MALE/ MIDDLE AGE/ *MYELOFIBROSIS, drug therapy

2024. **Klinger W:** Erfolgreiche Therapie mit Delta-Tomanol B bei Wirbelsäulensyndromen in einer Allgemeinpraxis. Med Welt 29(51-52):2027-8, 22 Dec 78 **(Ger)**
*DIAMINES, therapeutic use/ *DIBUCAINE, therapeutic use/ DRUG COMBINATIONS/ DRUG EVALUATION/ FAMILY PRACTICE/ HUMAN/ *PHENYLBUTAZONE, therapeutic use/ *PREDNISOLONE, therapeutic use/ *RHEUMATISM, drug therapy/ *SPINAL DISEASES, drug therapy/ *VITAMIN B 12, therapeutic use

2025. **Klopper A, Buchan P, Wilson G:** The plasma half-life of placental hormones. Br J Obstet Gynaecol 85(10):738-47, Oct 78
ESTRIOL, blood/ FEMALE/ GLYCOPROTEINS, blood/ HALF-LIFE/ HUMAN/ LABOR STAGE, THIRD/ *PLACENTAL HORMONES, blood/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ PUERPERIUM

2026. **Klotz HP:** Hormones et transsexualité. Probl Actuels Endocrinol Nutr (21):313-21, 1977 **(Fre)**
ADULT/ CANADA/ CIVIL RIGHTS, legislation & jurisprudence/ EUROPE/ FEMALE/ HUMAN/ MALE/ *SEX HORMONES, physiology/ *TRANSSEXUALISM, etiology/ UNITED STATES

2027. **Klotz HP:** Les effets d'un anti-testostérone (acétate de cyprotérone) sur le comportement sexuel de l'homme. Probl Actuels Endocrinol Nutr (21):87-105, 1977 **(Fre)**
ADULT/ *ANDROGEN ANTAGONISTS, pharmacodynamics/ ANDROGEN ANTAGONISTS, toxicity/ ANDROGEN ANTAGONISTS, therapeutic use/ ANIMAL/ CASE REPORT/ *CYPROTERONE, pharmacodynamics/ CYPROTERONE, toxicity/ CYPROTERONE, therapeutic use/ DEPRESSION, CHEMICAL/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ RATS/ *SEX BEHAVIOR, drug effects/ SEX DEVIATION, drug therapy

2028. **Klussmann R, Pfleger H:** Psychisches Symptomangebot bei organischen Krankheitsbildern Differentialdiagnostische Uberlegungen. Ther Ggw 117(12):1890-903, Dec 78 **(Ger)**
ADULT/ AGGRESSION/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ HYPERTENSION, psychology/ INTESTINAL OBSTRUCTION, psychology/ MALE/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, psychology/ *PSYCHOPHYSIOLOGIC DISORDERS, diagnosis/ VOMITING, psychology

2029. **Knapp HR, Oelz O, Whorton AR, et al:** Effects of feeding ethyl-dihomo-gamma-linolenate on rabbit renomedullary lipid composition and prostaglandin production in vitro. Lipids 13(11):804-8, Nov 78
*ADRENAL MEDULLA, metabolism/ ANIMAL/ FATTY ACIDS, NONESTERIFIED, biosynthesis/ *FATTY ACIDS, UNSATURATED, metabolism/ GLYCERIDES, biosynthesis/ *LIPIDS, biosynthesis/ MALE/ PHOSPHOLIPIDS, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 8,11,14-EICOSATRIENOIC ACID, analogs & derivatives/ *8,11,14-EICOSATRIENOIC ACID, metabolism

2030. **Knapp MS, Kowanko I, Mahoney PG, et al:** A domiciliary study of urinary circadian rhythms in rheumatoid patients with particular reference to the effects of the time of administration of corticosteroid drugs [proceedings] Br J Pharmacol 64(3):453P-454P, Nov 78
*ADRENAL CORTEX HORMONES, pharmacodynamics/ *ARTHRITIS, RHEUMATOID, physiopathology/ *CIRCADIAN RHYTHM/ HUMAN/ *URINATION

2031. **Knappwost A, Meyer RU:** Die Penetration von Ca-Ionen in den Zahnschmelz bei dessen Remineralisation. Naturwissenschaften 65(8):436, Aug 78 **(Ger)**
ANIMAL/ *CALCIUM, metabolism/ DENTAL CARIES, etiology/ *DENTAL ENAMEL, metabolism/ SWINE

2032. **Knepper PA, Breen M, Weinstein HG, et al:** Intraocular pressure and glycosaminoglycan distribution in the rabbit eye: effect of age and dexamethasone. Exp Eye Res 27(5):567-75, Nov 78
*AGING/ ANIMAL/ BODY WEIGHT, drug effects/ *DEXAMETHASONE, pharmacodynamics/ EYE, drug effects/ *EYE, metabolism/ FEMALE/ *GLYCOSAMINOGLYCANS, metabolism/ *INTRAOCULAR PRESSURE, drug effects/ MALE/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2033. **Knoll E, Wisser H, Rebel FC:** Abhängigkeit der Konzentrationen von Kreatinin und Harnstoff im Serum von der Tageszeit bei normaler und eingeschränkter Nierenfunktion. J Clin Chem Clin Biochem 16(10):567-70, Oct 78 (Eng. Abstr.) **(Ger)**
ADULT/ AGED/ *BLOOD UREA NITROGEN/ CIRCADIAN RHYTHM/ *CREATININE, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *KIDNEY DISEASES, metabolism/ MALE/ MIDDLE AGE/ MUSCULAR DISEASES, metabolism/ TIME FACTORS

2034. **Knopp J, Brozmanová-Kokesová H, Hurtajová L:** Activity of adenylate cyclase and phospodiesterase in the pituitary and thyroid during postnatal period in rats. Endocrinol Exp (Bratisl) 12(3):179-85, Sep 78
*ADENYL CYCLASE, metabolism/ AGING/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ MALE/ ORGAN SPECIFICITY/ *PITUITARY GLAND, enzymology/ PITUITARY GLAND, growth & development/ RATS/ *THYROID GLAND, enzymology/ THYROID GLAND, growth & development/ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

2035. **Knopp J, Brtko J:** Effect of thiocyanate and other univalent anions on the binding of thyroxine to rat liver nuclei and homogenate. Endocrinol Exp (Bratisl) 12(3):157-64, Sep 78
ANIMAL/ ANIONS/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ KINETICS/ *LIVER, metabolism/ MALE/ RATS/ *THIOCYANATES, pharmacodynamics/ *THYROXINE, pharmacodynamics

2036. **Knox FG, Haas J, Berndt T:** An evaluation of possible sites of phosphate secretion in the rat nephron. Adv Exp Med Biol 103:65-9, 1978 (12 ref.)
ANIMAL/ KIDNEY TUBULES, PROXIMAL, metabolism/ *NEPHRONS, secretion/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, metabolism/ *PHOSPHATES, secretion/ RATS/ REVIEW

2037. **Kobayashi S, Goto K, Kano K:** Disappearance of the difference between adrenal A and NA cells in the level of radioactivity after 3H-dopa injection in the hypophysectomized mouse. Arch Histol Jpn 41(3):285-90, Jun 78
*ADRENAL MEDULLA, cytology/ ANIMAL/ AUTORADIOGRAPHY/ *DOPA, pharmacodynamics/ EPINEPHRINE/ *HYPOPHYSECTOMY/ MALE/ MICE/ NOREPINEPHRINE/ TRITIUM

2038. **Kobierska A, Krajewska B, Karnicka-Młodkowska H:** Rak jajnika o wieloletnim przebiegu. Ginekol Pol 49(10):913-5, Oct 78 (Eng. Abstr.) **(Pol)**
CASE REPORT/ *CYSTADENOMA, PAPILLARY,

surgery/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ *OVARIAN NEOPLASMS, surgery/ RECURRENCE/ REMISSION/ TIME FACTORS

2039. **Koch G, de Heer K, Rauchenberger B:** Rezidivstruma mit und ohne Rezidivprophylaxe. Med Welt 29(46):1787–9, 17 Nov 78 **(Ger)**
*GOITER, prevention & control/ GOITER, surgery/ HUMAN/ RECURRENCE/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2040. **Kochetov GP, Turinskiĭ AD, Oppengeĭm BP:** Gigantskaia kista podzheludochnoĭ zhelezy, simulirovavshaia opukhol' iaichnika. Klin Khir (11):59, Nov 78 **(Rus)**
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ *OVARIAN NEOPLASMS, diagnosis/ *PANCREATIC CYST, diagnosis

2041. **Kochubei BI:** Nasledstvennost' i nevrozy (obzor literatury). Zh Nevropatol Psikhiatr 78(11):1716–23, 1978 **(Rus)**
DISEASES IN TWINS/ NEUROSES, diagnosis/ *NEUROSES, familial & genetic/ NEUROSES, psychology/ PERSONALITY TESTS/ SEX CHROMOSOME ABNORMALITIES/ SEX FACTORS/ STRESS, PSYCHOLOGICAL, psychology/ SYNDROME/ TWINS, DIZYGOTIC/ TWINS, MONOZYGOTIC

2042. **Kocián J:** Izotopové studie u idiopatické hyperkalciurie. Vnitr Lek 24(11):1077–81, Nov 78 (Eng. Abstr.) **(Cze)**
ADULT/ AGED/ *CALCIUM RADIOISOTOPES, diagnostic use/ CALCIUM, metabolism/ *CALCIUM, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METABOLIC DISEASES, diagnosis/ METABOLIC DISEASES, urine/ MIDDLE AGE

2043. **Kocián J:** Idiopatická hyperkalciurie--její úskalí a léčba. Vnitr Lek 24(11):1070–6, Nov 78 (Eng. Abstr.) **(Cze)**
ADULT/ AGED/ CALCIUM, metabolism/ *CALCIUM, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, therapeutic use/ MALE/ METABOLIC DISEASES, drug therapy/ METABOLIC DISEASES, urine/ MIDDLE AGE

2044. **Kodama M, Shimizu H, Kai T:** [Nursing of patients with thyroid diseases and associated psychiatric symptoms] Kango Gijutsu 24(12):35–41, Sep 78 **(Jpn)**
HUMAN/ PSYCHOSES, etiology/ *PSYCHOSES, nursing/ THYROID DISEASES, complications/ *THYROID DISEASES, nursing

2045. **Ködding R, Hesch RD:** L-3', 5'-diiodothyronine in human serum [letter] Lancet 2(8098):1049, 11 Nov 78
COMPARATIVE STUDY/ *DIIODOTHYRONINES, blood/ HUMAN/ HYPERTENSION, metabolism/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ INFANT, NEWBORN/ LIVER CIRRHOSIS, metabolism/ *THYRONINES, blood/ *THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, REVERSE, metabolism

2046. **Koehler B, Drzewiecka B, Ramos A, et al:** Próba ustalenia norm dla tyroksyny całkowitej i współczynnika wiązania trójjodotyroniny znakowanej 125J u zdrowych dzieci. Pol Tyg Lek 33(47):1827–9, 20 Nov 78 (Eng. Abstr.)**(Pol)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ THYROID FUNCTION TESTS/ *THYROXINE BINDING PROTEIN, analysis/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

2047. **Kogure K, Scheinberg P, Utsunomiya Y, et al:** Sequential cerebral biochemical and physiological events in controlled hypoxemia. Ann Neurol 2(4):304–10, Oct 77
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ BRAIN, metabolism/ CARBON DIOXIDE, blood/ *CEREBRAL ISCHEMIA, metabolism/ DOPAMINE, metabolism/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ GLYCOGEN, metabolism/ LACTATES, metabolism/ MALE/ NOREPINEPHRINE, metabolism/ NAD, metabolism/ OXYGEN, blood/ PHOSPHOCREATINE, metabolism/ PYRUVATES, metabolism/ RATS/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2048. **Kohn CW, Muir WW, Sams R:** Plasma volume and extracellular fluid volume in horses at rest and following exercise. Am J Vet Res 39(5):871–4, May 78
ANIMAL/ COMPARATIVE STUDY/ EVANS BLUE, diagnostic use/ *EXERTION/ *EXTRACELLULAR SPACE/ FEMALE/ HEMATOCRIT/ *HORSES, physiology/ MALE/ *PLASMA VOLUME/ THIOCYANATES, diagnostic use

2049. **Kohoutek F, Kohoutek M, Kopečný J, et al:** Hodnoty LH a FSH při nepravidelném vyzrávání endometria. Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 21(2):109–16, 1978 (Eng. Abstr.) **(Cze)**
ADULT/ CASE REPORT/ ENDOMETRIUM, pathology/ ENGLISH ABSTRACT/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ *MENSTRUATION DISORDERS, blood/ MENSTRUATION DISORDERS, pathology/ *STERILITY, FEMALE, blood

2050. **Kohoutek M:** Taktika medikamentózního vedení porodu. Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 21(2):99–103, 1978 (Eng. Abstr.) **(Cze)**
ANALGESICS, therapeutic use/ *DELIVERY, methods/ ENGLISH ABSTRACT/ ERGOTOXINE, therapeutic use/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LABOR, drug effects/ OXYTOCIN, therapeutic use/ PREGNANCY

2051. **Kohrman AF:** The newborn mouse as a model for study of the effects of hormonal steroids in the young. Pediatrics 62(6 Pt 2):1143–50, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ CASTRATION/ *DIETHYLSTILBESTROL, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ MICE/ MICE, INBRED STRAINS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINA, drug effects/ VAGINA, pathology/ *VAGINA, physiology/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism/ 3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism

2052. **Koide H:** [Hypercalcemia and hypocalcemia] Nippon Rinsho 36(10):3337–41, Oct 78 **(Jpn)**
HUMAN/ *HYPERCALCEMIA/ HYPERCALCEMIA, etiology/ *HYPOCALCEMIA/ HYPOCALCEMIA, etiology

2053. **Koizumi K, Bunko H, Hisada K:** [An evaluation of a T4 RIA kit using solid phase method--SPAC T4 RIA (author's transl)] Radioisotopes 27(9):539–42, Sep 78 **(Jpn)**
EVALUATION STUDIES/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ THYROID FUNCTION TESTS, methods/ *THYROXINE, blood

2054. **Koizumi K, Bunko H, Hisada K:** [An evaluation of a T3 uptake test kit using solid phase method. -SPAC T3 uptake kit (author's transl)] Radioisotopes 27(9):536–8, Sep 78 **(Jpn)**
COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ *PROTEIN-BOUND IODINE TEST, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ *TRIIODOTHYRONINE, blood

2055. **Kolata GB:** Behavioral teratology: birth defects of the mind. Science 202(4369):732–4, 17 Nov 78
ANESTHESIA, OBSTETRICAL, adverse effects/ *BEHAVIOR, drug effects/ DRUG WITHDRAWAL SYMPTOMS, etiology/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, chemically induced/ *MENTAL DISORDERS, chemically induced/ NARCOTICS/ PREGNANCY/ SEMEN, metabolism/ SEX HORMONES, adverse effects/ SPERMATOZOA, drug effects/ *TERATOGENS/ TERATOGENS, metabolism

2056. **Kolesov DV, Dobronravov AS, Faddeeva EN, et al:** Izmeneniia funktsii simpatiko-adrenalovoĭ sistemy pri narkoze u deteĭ so stomatologicheskimi zabolevaniiami. Stomatologiia (Mosk) 57(6):60–3, Nov-Dec 78 (Eng. Abstr.)

(Rus)
*ADRENAL GLANDS, drug effects/ *ANESTHESIA, DENTAL, adverse effects/ ANESTHESIA, INTRATRACHEAL, adverse effects/ CATECHOLAMINES, urine/ CHILD/ *CLEFT PALATE, surgery/ COMPARATIVE STUDY/ *DENTAL CARE/ ENGLISH ABSTRACT/ HALOTHANE/ HUMAN/ NITROUS OXIDE/ OXYGEN/ *SYMPATHETIC NERVOUS SYSTEM, drug effects

2057. **Komorowska A, Owczarczyk I, Palińska-Weese Z:** Diagnostyczne i lecznicze zastosowanie LH-RH w krwawieniach młodocianych. Ginekol Pol 49(7):625-31, Jul 78 (Eng. Abstr.) (Pol)
ADOLESCENCE/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, PITUITARY, blood/ HORMONES, SYNTHETIC, diagnostic use/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ LH-FSH RELEASING HORMONE, diagnostic use/ *LH-FSH RELEASING HORMONE, therapeutic use/ METRORRHAGIA, blood/ *METRORRHAGIA, drug therapy

2058. **Kondo H:** Reinnervation of the rat adrenal medulla transplanted in the anterior eye chamber. J Anat 127(2):323-31, Oct 78
*ADRENAL MEDULLA, innervation/ ADRENAL MEDULLA, transplantation/ ADRENAL MEDULLA, ultrastructure/ ANIMAL/ ANTERIOR CHAMBER/ CHROMAFFIN SYSTEM, ultrastructure/ MICROSCOPY, ELECTRON/ NERVE REGENERATION/ NEURONS, ultrastructure/ RATS/ TRANSPLANTATION, HOMOLOGOUS

2059. **Kondo K, Kobasawa T:** Improvement in Gilles de la Tourette syndrome after corticosteroid therapy. Ann Neurol 4(4):387, Oct 78
CASE REPORT/ CHILD/ *GILLES DE LA TOURETTE'S DISEASE, drug therapy/ HUMAN/ MALE/ *PREDNISOLONE, therapeutic use

2060. **Kondo T:** [Erythrocyte carbonic anhydrases in patients with hyperthyroidism (author's transl)] Hokkaido Igaku Zasshi 53(3):175-90, May 78 (Eng. Abstr.) (Jpn)
ADULT/ ANIMAL/ *CARBONIC ANHYDRASE, blood/ DIPHOSPHOGLYCERIC ACIDS, blood/ ENGLISH ABSTRACT/ *ERYTHROCYTES, enzymology/ FEMALE/ GEL DIFFUSION TESTS/ HUMAN/ *HYPERTHYROIDISM, enzymology/ ISOENZYMES, blood/ MALE/ RABBITS

2061. **Konev SV, Finin VS, Volotovskiĭ ID, et al:** Effekt kriticheskoĭ fragmentatsii éritrotsitarnykh membran. Tsitologiia 20(9):1060-4, Sep 78 (Eng. Abstr.) (Rus)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL FRACTIONATION, methods/ ENGLISH ABSTRACT/ ERYTHROCYTE AGGREGATION, drug effects/ ERYTHROCYTE MEMBRANE, drug effects/ *ERYTHROCYTE MEMBRANE, ultrastructure/ *ERYTHROCYTES, ultrastructure/ HUMAN/ SPIN LABELS/ ULTRASONICS

2062. **Kono T, Oseko F, Ikeda F:** [Bartter's syndrome] Nippon Rinsho 36(10):3417-20, Oct 78 (Jpn)
*BARTTER'S DISEASE, metabolism/ *CALCIUM, metabolism/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, metabolism/ MAGNESIUM, metabolism/ MALE/ *PHOSPHORUS, metabolism

2063. **Konrads A, Hofbauer KG, Werner U, et al:** Effects of vasopressin and its deamino-D-arginine analogue on renin release in the isolated perfused rat kidney. Pfluegers Arch 377(1):81-5, 18 Oct 78
ANIMAL/ *ARGIPRESSIN, pharmacodynamics/ *DESMOPRESSIN, pharmacodynamics/ IN VITRO/ KIDNEY, drug effects/ *KIDNEY, enzymology/ KIDNEY, physiology/ MALE/ PERFUSION/ RATS/ *RENIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ URINE/ *VASOPRESSINS, pharmacodynamics

2064. **Konstantinov P, Radoslavov V:** Vliianie na niakoi lekarstveni i nespetsifichni sredstva vurkhu matochnata mikroflora v puerperalniia period i zaplozhdaneto na kravite. Vet Med Nauki 15(3):36-41, 1978 (Eng. Abstr.) (Bul)
ANIMAL/ *CATTLE/ CHLORAMPHENICOL, pharmacodynamics/ CHOLECALCIFEROLS, pharmacodynamics/ CITRATES, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ HEXESTROL, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ PITUITARY HORMONES, POSTERIOR, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PUERPERIUM/ *UTERUS, drug effects/ UTERUS, microbiology/ VITAMIN A, pharmacodynamics/ VITAMIN E, pharmacodynamics

2065. **Konstantinova TK, Efimenko LP, Antonenko TA, et al:** Materialy k gigienichskomu normirovaniiu gerbitsidov 2,4-D v ob'ektakh okruzhaiushchei sredy. Gig Sanit (11):9-13, Nov 78 (Eng. Abstr.) (Rus)
ANIMAL/ EMBRYO, drug effects/ ENGLISH ABSTRACT/ *ENVIRONMENTAL POLLUTANTS/ FEMALE/ GONADS, drug effects/ MALE/ MATERNAL-FETAL EXCHANGE, drug effects/ MAXIMUM PERMISSIBLE EXPOSURE LEVEL/ PESTICIDE RESIDUES/ PREGNANCY/ RATS/ 2,4-DICHLOROPHENOXYACETIC ACID, analogs & derivatives/ *2,4-DICHLOROPHENOXYACETIC ACID, toxicity

2066. **Kontula K:** Progesterone-binding protein in human myometrium. Binding site concentration in relation to endogenous progesterone and estradiol-17beta levels. J Steroid Biochem 6(11-12):1555-61, Nov-Dec 75
ADULT/ *CARRIER PROTEINS, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ KINETICS/ MIDDLE AGE/ MYOMETRIUM, drug effects/ *MYOMETRIUM, metabolism/ *PROGESTERONE, metabolism/ *PROGESTERONE, pharmacodynamics/ *UTERUS, metabolism

2067. **Konturek SJ:** Prostaglandins and gastrointestinal secretion and motility. Adv Exp Med Biol 106:297-307, 1978
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ DIARRHEA, chemically induced/ DIARRHEA, etiology/ DOGS/ GASTRIC JUICE, drug effects/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ GASTRIC MUCOSA, secretion/ *GASTROINTESTINAL MOTILITY/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ PEPTIC ULCER, drug therapy/ PROSTAGLANDINS E, SYNTHETIC, adverse effects/ *PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ *PROSTAGLANDINS, physiology

2068. **Koo SI, Fullmer CS, Wasserman RH:** Intestinal absorption and retention of 109Cd: effects of cholecalciferol, calcium status and other variables. J Nutr 108(11):1812-22, Nov 78
ANIMAL/ *CADMIUM, metabolism/ *CALCIUM, pharmacodynamics/ CHICKENS/ *CHOLECALCIFEROLS, pharmacodynamics/ DIET/ *INTESTINAL ABSORPTION, drug effects/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2069. **Koppe G, Marinkovic-Ilsen A, Rijken Y, et al:** X-linked icthyosis. A sulphatase deficiency. Arch Dis Child 53(10):803-6, Oct 78
ADULT/ *ARYLSULFATASES, deficiency/ ARYLSULFATASES, genetics/ ESTROGENS, urine/ FEMALE/ HUMAN/ *ICHTHYOSIS, enzymology/ ICHTHYOSIS, familial & genetic/ INFANT/ MALE/ PLACENTA, enzymology/ PREGNANCY/ *SULFATASES, deficiency/ X CHROMOSOME

2070. **Kopsa H, Schmidt P, Zazgornik J, et al:** Intraktabler renaler und enteraler Kaliumverlust bei Turner-Syndrom. Hämodialyse mit kaliumreichem Dialysat. Med Klin 73(48):1700-3, 1 Dec 78 (Eng. Abstr.) (Ger)
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HEMODIALYSIS/ HUMAN/ HYPOKALEMIA, complications/ INTESTINES, metabolism/ KIDNEY, metabolism/ POTASSIUM, blood/ *POTASSIUM, metabolism/ *TURNER'S SYNDROME, metabolism/ UREMIA, therapy

2071. **Korchagin VP, Berman AL, Shukoliukov SA, et al:** Modifikatsiia fotoretseptornykh membran setchatki i sviazyvanie iona Ca. Biokhimiia 43(10):1749-56, Oct 78 (Eng. Abstr.) (Rus)
ANIMAL/ *CALCIUM, metabolism/ CATTLE/ CELL MEMBRANE, metabolism/ CHEMISTRY/ ENGLISH ABSTRACT/ IN VITRO/ KINETICS/ PAPAIN/ PHOSPHOLIPASE/ PRONASE/ *RETINAL PIGMENTS, metabolism/ *RHODOPSIN,

metabolism/ *RODS AND CONES, metabolism

2072. **Korkina MV, Kirpatovskiĭ ID, Tsivil'ko MA, et al:** K voprosu o dinamike psikhicheskikh narusheniĭ u bol'nykh pervichnym gipogonadizmom v sviazi s operativnym vmeshatel'stvom (transplantatsiia iaichka). Zh Nevropatol Psikhiatr 78(11):1694–701, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ CHARACTER/ CHILD DEVELOPMENT DEVIATIONS, complications/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ *HYPOGONADISM, complications/ HYPOGONADISM, therapy/ MALE/ *MENTAL DISORDERS, complications/ MIDDLE AGE/ PERSONALITY DISORDERS, complications/ POSTOPERATIVE COMPLICATIONS, prevention & control/ PUBERTY/ *TESTIS, transplantation/ TRANSPLANTATION, HOMOLOGOUS

2073. **Koroliuk IP, Poliarush NF, Pekarskiĭ NI:** Funktsional'noe sostoianie shchitovidnoĭ zhelezy na raznykh stadiiakh ateroskleroza po dannym radiodiagnostiki in vitro. Kardiologiia 18(10):134–6, Oct 78 **(Rus)**
ADULT/ AGED/ *ARTERIOSCLEROSIS, physiopathology/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/ THYROID FUNCTION TESTS, methods/ *THYROID GLAND, physiopathology/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2074. **Korte I, Hockwin O:** In vitro adaptation to environmental changes of young and old bovine lenses. pp. 187–95. In: Hockwin O, ed. Lens ageing and development of senile cataracts. Basel, Karger, 1978. W1 IN679 v.12 1978.
ADAPTATION, PHYSIOLOGICAL/ ADENINE NUCLEOTIDES, metabolism/ ADRENAL CORTEX HORMONES, pharmacodynamics/ *AGING/ ALCOHOL OXIDOREDUCTASES, metabolism/ ANIMAL/ CATTLE/ CYCLOPHOSPHAMIDE, pharmacodynamics/ IN VITRO/ *LENS, CRYSTALLINE, metabolism/ LENS, CRYSTALLINE, radiation effects/ MONOGRAPH/ ORGAN WEIGHT/ OUABAIN, pharmacodynamics/ OXYGEN CONSUMPTION, radiation effects/ POTASSIUM, metabolism/ SODIUM, metabolism

2075. **Korzon T, Korzon M:** Znaczenie zaburzeń metabolizmu tryptofanu w klinice chorób kobiecych i położnictwa. Ginekol Pol 49(10):917–22, Oct 78 (20 ref.) (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ ESTROGENS, secretion/ FEMALE/ HUMAN/ MATERNAL–FETAL EXCHANGE/ MODELS, BIOLOGICAL/ NICOTINIC ACIDS, metabolism/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ *PYRIDOXINE DEFICIENCY, metabolism/ REVIEW/ *TRYPTOPHAN, metabolism/ VITAMIN B 12 DEFICIENCY, metabolism/ XANTHURENATES, metabolism

2076. **Kosenko AF, Mel'nik LA, Kushnir VE:** Vliianie gistamina i pentagastrina na funktsional'noe sostoianie gipotalamo–neirogipofizarnoĭ sekretornoĭ sistemy. Fiziol Zh SSSR 64(9):1273–7, Sep 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ CYTOPLASMIC GRANULES, ultrastructure/ ENGLISH ABSTRACT/ GUINEA PIGS/ *HISTAMINE, pharmacodynamics/ *HYPOTHALAMO–HYPOPHYSEAL SYSTEM, drug effects/ NEUROSECRETION, drug effects/ PARAVENTRICULAR NUCLEUS, drug effects/ PARAVENTRICULAR NUCLEUS, ultrastructure/ *PENTAGASTRIN, pharmacodynamics/ SUPRAOPTIC NUCLEUS, drug effects/ SUPRAOPTIC NUCLEUS, ultrastructure

2077. **Koshikawa S, Akizawa T:** [Thiazide–induced hypercalcemia (author's transl)] Nippon Rinsho 36(10):3374–8, Oct 78 (35 ref.) **(Jpn)**
ANIMAL/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CALCIUM, urine/ DIURETICS, THIAZIDE, administration & dosage/ *DIURETICS, THIAZIDE, adverse effects/ HUMAN/ *HYPERCALCEMIA, chemically induced/ INTESTINAL ABSORPTION/ REVIEW

2078. **Koshimizu T:** [Determination of serum dehydroepiandrosterone sulfate in children and its clinical significance] Horumon To Rinsho 26(11):1120–5, Nov 78 **(Jpn)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ GONADS, physiology/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PITUITARY GLAND, physiology

2079. **Koskimies AI, Hovatta O, Ranta T, et al:** Serum and seminal plasma prolactin levels in oligospermia. Int J Fertil 23(1):76–8, 1978
CELL COUNT/ COMPARATIVE STUDY/ HUMAN/ MALE/ OLIGOSPERMIA, blood/ *OLIGOSPERMIA, metabolism/ PROLACTIN, blood/ *PROLACTIN, metabolism/ RADIOIMMUNOASSAY/ *SEMEN/ SEMEN, analysis/ SPERMATOZOA

2080. **Kosowicz J, Gembicki M, Murawska A:** Radioimmunologiczna metoda oznaczania ludzkiej tyreoglobuliny. Endokrynol Pol 29(6):463–74, Nov–Dec 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ HUMAN/ RADIOIMMUNOASSAY, methods/ THYROGLOBULIN, blood/ *THYROGLOBULIN, isolation & purification

2081. **Kosowicz J, Gembicki M, Sobieszczyk S:** LH–releasing hormone stimulation test in prepubertal diagnosis of hypogonadotropic syndromes. Endokrynol Pol 29(6):491–500, Nov–Dec 78
ADOLESCENCE/ DIAGNOSIS, DIFFERENTIAL/ *DWARFISM, PITUITARY, diagnosis/ FSH, blood/ HUMAN/ LH, blood/ *LH–FSH RELEASING HORMONE, diagnostic use/ *PUBERTY/ SEX MATURATION

2082. **Kostetskiĭ EIa, Kushnerova NF, Rudnikova LT:** Lipidnyĭ sostav gonad samok morskogo ezha Strongylocentrotus nudus n razlichnykh stadiiakh razvitiia. Ontogenez 9(5):495–500, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ CARDIOLIPINS, analysis/ CHOLESTEROL, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *GONADS, analysis/ *LIPIDS, analysis/ PERIODICITY/ PHOSPHATIDYLCHOLINES, analysis/ PHOSPHATIDYLETHANOLAMINES, analysis/ PHOSPHATIDYLINOSITOLS, analysis/ PHOSPHATIDYLSERINES, analysis/ PHOSPHOLIPIDS, analysis/ *SEA URCHINS, analysis/ SPHINGOMYELINS, analysis

2083. **Kosuba RB, Ivanov IuI:** Metod kolichestvennogo opredeleniia natriiureticheskogo faktora v biologicheskikh zhidkostiakh. Biull Eksp Biol Med 86(11):624–5, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BIOLOGICAL ASSAY, methods/ ENGLISH ABSTRACT/ *HORMONES, blood/ HORMONES, pharmacodynamics/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ *NATRIURESIS/ RABBITS/ RATS

2084. **Kotsiuruba AV, Kokunin VA, Vendt VP, et al:** Vliianie orotate kaliia na obmen veshchestv u tsypliat pri pazlichnoĭ obespechennosti ikh vitaminom D3. Ukr Biokhim Zh 50(5):641–8, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CHICKENS/ *CHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, metabolism/ ENGLISH ABSTRACT/ INTESTINAL MUCOSA, metabolism/ KINETICS/ *OROTIC ACID, metabolism/ PROTEINS, biosynthesis/ RIBONUCLEOTIDES, metabolism/ RICKETS, metabolism/ RNA, biosynthesis

2085. **Kotsonis FN, Klaassen CD:** The relationship of metallothionein to the toxicity of cadmium after prolonged oral administration to rats. Toxicol Appl Pharmacol 46(1):39–54, Oct 78
ANIMAL/ BLOOD PRESSURE, drug effects/ BLOOD, drug effects/ CADMIUM, metabolism/ *CADMIUM, toxicity/ DRINKING, drug effects/ EATING, drug effects/ GROWTH, drug effects/ HEART RATE, drug effects/ KIDNEY, drug effects/ LIVER, drug effects/ MALE/ *METALLOPROTEINS, pharmacodynamics/ METALLOTHIONEIN, metabolism/ *METALLOTHIONEIN, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ PROTEINURIA/ RATS/ TESTIS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2086. **Kotwas J, Schaefer H, Zesch A:** Vergleichende in–vitro–Untersuchungen zur Liberation und Penetration von lokal appliziertem Cyproteronacetat. Pharmazie 33(10):671–3, Oct 78 **(Ger)**

ADMINISTRATION, TOPICAL/ COMPARATIVE STUDY/ CYPROTERONE, administration & dosage/ *CYPROTERONE, metabolism/ HUMAN/ IN VITRO/ OINTMENT BASES/ SKIN ABSORPTION/ SOLUBILITY

2087. **Kovacs K:** Morphology of prolactin producing adenomas. Clin Endocrinol (Oxf) 6 Suppl:71S–79S, 1977
ADENOMA, pathology/ *ADENOMA, secretion/ ADENOMA, ultrastructure/ ERYTHROSINE, diagnostic use/ *HORMONES, ECTOPIC, secretion/ HUMAN/ IMMUNOENZYME TECHNICS/ MICROSCOPY, ELECTRON/ PITUITARY NEOPLASMS, pathology/ *PITUITARY NEOPLASMS, secretion/ PITUITARY NEOPLASMS, ultrastructure/ *PROLACTIN, secretion/ STAINS AND STAINING, methods

2088. **Kovacs K, Ryan N, Horvath E, et al:** Prolactin cell adenomas of the human pituitary. Morphologic features of prolactin cells in the nontumorous portions of the anterior lobe. Horm Metab Res 10(5):409–12, Sep 78
ADENOMA, metabolism/ *ADENOMA, pathology/ FEMALE/ HUMAN/ MALE/ PITUITARY GLAND, ANTERIOR, metabolism/ PITUITARY GLAND, ANTERIOR, pathology/ PITUITARY NEOPLASMS, metabolism/ *PITUITARY NEOPLASMS, pathology/ *PROLACTIN, metabolism

2089. **Kovalchik MT, Guggenheim SJ, Silverman MH, et al:** The kidney in progressive systemic sclerosis: a prospective study. Ann Intern Med 89(6):881–7, Dec 78
ADULT/ AGED/ BIOPSY/ COMPLEMENT 3/ FEMALE/ HUMAN/ HYPERTENSION, RENAL, etiology/ *KIDNEY DISEASES/ KIDNEY DISEASES, enzymology/ KIDNEY DISEASES, pathology/ KIDNEY, enzymology/ KIDNEY, pathology/ MALE/ MIDDLE AGE/ PROSPECTIVE STUDIES/ RENIN, blood/ *SCLERODERMA, SYSTEMIC/ SCLERODERMA, SYSTEMIC, enzymology/ SCLERODERMA, SYSTEMIC, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2090. **Kowalski WJ, Malkinson M, Leslie GA, et al:** The secretory immunological system of the fowl. VI. The effect of chemical bursectomy on immunoglobulin concentration in tears. Immunology 34(4):663–7, Apr 78
AGGLUTININS, analysis/ ANIMAL/ BURSA OF FABRICIUS, drug effects/ *BURSA OF FABRICIUS, immunology/ CHICK EMBRYO/ *CHICKENS, immunology/ CYCLOPHOSPHAMIDE/ GAMMA GLOBULIN, 7S, analysis/ IGA, analysis/ IGM, analysis/ *IMMUNOGLOBULINS, analysis/ *TEARS, immunology/ TESTOSTERONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2091. **Koyama T, Ohkura T, Kumasaka T, et al:** Effect of postovulatory treatment with a luteinizing hormone-releasing hormone analog on the plasma level of progesterone in women. Fertil Steril 30(5):549–52, Nov 78
ADULT/ CORPUS LUTEUM, physiology/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ LH-FSH RELEASING HORMONE, physiology/ MENSTRUATION/ MENSTRUATION, LUTEAL PHASE/ OVULATION/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY

2092. **Kozhemiakin LA, Korostovtsev DS, Koroleva TR:** Antigipoksicheskii effekt analogov tsiklicheskogo adenozinmonofosfata--ingibitorov fosfodiesterazy. Farmakol Toksikol 41(6):711–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, therapeutic use/ ANIMAL/ *ANOXIA, drug therapy/ *BRAIN, enzymology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ MALE/ *PHOSPHODIESTERASE INHIBITORS/ RATS

2093. **Kozlova LP, Goncharenko VM:** O roli paraklinicheskikh metodov v ranneĭ diagnostike nasledstvennoĭ otkrytougol'noĭ glaukomy. Oftalmol Zh (6):443–6, 1978 (Eng. Abstr.)**(Rus)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *GLAUCOMA, diagnosis/ GLAUCOMA, familial & genetic/ GLAUCOMA, physiopathology/ HUMAN/ MALE/ PEDIGREE/ PHENYLTHIOUREA, diagnostic use/ PROTEIN-BOUND IODINE TEST/ TASTE, physiology/ THYROID GLAND, physiopathology/ TIME FACTORS

2094. **Kozlowski K, Masel J, Morris L, et al:** Neonatal death dwarfism. (A further report). ROEFO 129(5):626–33, Nov 78
*ABNORMALITIES, MULTIPLE, radiography/ ACHONDROPLASIA, familial & genetic/ ACHONDROPLASIA, radiography/ BONE DISEASES, DEVELOPMENTAL, radiography/ *DWARFISM, radiography/ FEMALE/ *FETAL DEATH, radiography/ *FETAL GROWTH RETARDATION, radiography/ HUMAN/ HYPOPHOSPHATASIA, radiography/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES/ MALE/ THORAX, abnormalities

2095. **Koźniewska H, Moszyński K, Lewelt W, et al:** Ocena wartości pomiaru ciśnienia płynu mózgowo--rdzeniowego (cpmr) w układzie komorowym podczas zabiegu operacyjnego i w okresie pooperacyjnym u chorych z nadnamiotowymi guzami mózgu. Neurol Neurochir Pol 12(4):463–70, Jul–Aug 78 (Eng. Abstr.) **(Pol)**
ANESTHESIA/ *CEREBELLAR NEOPLASMS, surgery/ *CEREBRAL VENTRICLES/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *INTRACRANIAL PRESSURE/ INTRACRANIAL PRESSURE, drug effects/ POSTOPERATIVE CARE/ SLEEP, REM

2096. **Krachmer JH, Alldredge OC:** Subepithelial infiltrates: a probable sign of corneal transplant rejection. Arch Ophthalmol 96(12):2234–7, Dec 78
ADMINISTRATION, TOPICAL/ ADULT/ AGED/ CASE REPORT/ *CORNEA, transplantation/ EPITHELIUM/ EYE DISEASES, drug therapy/ *EYE DISEASES, etiology/ FEMALE/ FOLLOW-UP STUDIES/ *GRAFT REJECTION/ HUMAN/ MALE/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ TRANSPLANTATION, HOMOLOGOUS

2097. **Kraevskiĭ NA:** Gistogenez i patologoanatomicheskaia diagnostika opukholeĭ cheloveka v svete dannykh elektronnoĭ mikroskopii. Arkh Patol 40(8):3–10, 1978 (Eng. Abstr.) **(Rus)**
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, ultrastructure/ ENGLISH ABSTRACT/ HUMAN/ LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, ultrastructure/ MELANOMA, pathology/ MELANOMA, ultrastructure/ MICROSCOPY, ELECTRON/ *NEOPLASMS, pathology/ RHABDOMYOSARCOMA, pathology/ RHABDOMYOSARCOMA, ultrastructure/ SKIN NEOPLASMS, pathology/ SKIN NEOPLASMS, ultrastructure/ SOFT TISSUE NEOPLASMS, pathology/ SOFT TISSUE NEOPLASMS, ultrastructure/ STOMACH NEOPLASMS, pathology/ STOMACH NEOPLASMS, ultrastructure/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, ultrastructure

2098. **Krafft W, Niedner K, Wagner F, et al:** Zur Effektivität operativer Massnahmen beim progredienten Ovarialkarzinom. Zentralbl Gynaekol 100(17):1131–3, 1978 (Eng. Abstr.) **(Ger)**
ANTINEOPLASTIC AGENTS, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, EAST/ HUMAN/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, surgery/ PALLIATIVE TREATMENT/ RETROSPECTIVE STUDIES

2099. **Krakowiak R, Mróz J, Kita R:** Przypadek olbrzymiego jądrzaka jajnika. Ginekol Pol 49(11):1001–6, Nov 78 (Eng. Abstr.) **(Pol)**
ADULT/ *ARRHENOBLASTOMA, complications/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *OVARIAN NEOPLASMS, complications/ VIRILISM, complications

2100. **Krall JF, Mori H, Tuck ML, et al:** Demonstration of adrenergic catecholamine receptors in rat myometrium and their regulation by sex steroid hormones. Life Sci 23(10):1073–81, 11 Sep 78
ALPRENOLOL, analogs & derivatives/

ALPRENOLOL, diagnostic use/ ANIMAL/ BINDING, COMPETITIVE/ CASTRATION/ DIHYDROERGOCRYPTINE, diagnostic use/ ESTRUS/ FEMALE/ IN VITRO/ *MYOMETRIUM, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ *SEX HORMONES, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, metabolism

2101. **Kramer HJ:** Pharmakotherapie der hypotonen Regulationsstörung. Dtsch Med Wochenschr 103(48):1899–901, 1 Dec 78 **(Ger)**
AMPHETAMINE, therapeutic use/ EPHEDRINE, therapeutic use/ ETHAMIVAN, therapeutic use/ HUMAN/ *HYPOTENSION, drug therapy/ METHAMPHETAMINE, therapeutic use/ MINERALOCORTICOIDS, therapeutic use/ PENTYLENETETRAZOLE, therapeutic use/ SYMPATHOLYTICS, therapeutic use/ SYMPATHOMIMETICS, therapeutic use/ XANTHINES, therapeutic use

2102. **Kramer HJ, Bäcker A, Hinzen S, et al:** Effects of inhibition of prostaglandin-synthesis on renal electrolyte excretion and concentrating ability in healthy man. Prostaglandins Med 1(5):341–9, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ DIURESIS, drug effects/ *ELECTROLYTES, urine/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ HUMAN/ INDOMETHACIN, pharmacodynamics/ *KIDNEY CONCENTRATING ABILITY, drug effects/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ NATRIURESIS, drug effects/ POTASSIUM, urine/ *PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ PROSTAGLANDINS E, urine

2103. **Kramsch DM:** The role of connective tissue in atherosclerosis. Adv Exp Med Biol 109:155–94, 1978 (125 ref.)
ANIMAL/ ARTERIES, metabolism/ ARTERIES, pathology/ *ARTERIOSCLEROSIS, pathology/ ATHEROSCLEROSIS, metabolism/ *ATHEROSCLEROSIS, pathology/ ATHEROSCLEROSIS, prevention & control/ CALCIUM, metabolism/ CALCIUM, physiology/ CHOLESTEROL, DIETARY, pharmacodynamics/ COLLAGEN, metabolism/ CONNECTIVE TISSUE, drug effects/ CONNECTIVE TISSUE, metabolism/ *CONNECTIVE TISSUE, pathology/ ELASTIN, metabolism/ GLYCOPROTEINS, metabolism/ GLYCOSAMINOGLYCANS, metabolism/ HUMAN/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2104. **Kranz D:** Autoradiographische Untersuchungen zum Verhalten des Bindegewebszellstoffwechsels während des Alterns und bei hormonellen Störungen. Aktuel Gerontol 8(11):595–600, Nov 78 (Eng. Abstr.) **(Ger)**
ADRENAL GLAND HYPERFUNCTION, metabolism/ *AGING/ ANIMAL/ AUTORADIOGRAPHY/ COLLAGEN, biosynthesis/ *CONNECTIVE TISSUE, metabolism/ DIABETES MELLITUS, metabolism/ DNA, biosynthesis/ ENGLISH ABSTRACT/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ MYOCARDIAL INFARCTION, metabolism/ RATS/ TRITIUM

2105. **Krapez J, Cole P:** Intraoperative management of phaeochromocytoma with sodium nitroprusside [letter] Br Med J 2(6144):1088, 14 Oct 78
*ADRENAL GLAND NEOPLASMS, surgery/ DRUG ADMINISTRATION SCHEDULE/ *FERRICYANIDES, administration & dosage/ HUMAN/ *HYPOTENSION, CONTROLLED/ *NITROPRUSSIDE, administration & dosage/ *PHEOCHROMOCYTOMA, surgery

2106. **Krass PM, Logvinenko NS, Ivanova LN:** Dinamika urovnia polovykh gormonov i progesterona v perifericheskoĭ krovi, produktsiia ikh gonadami i nadpochechnikami v postnatal'nom ontogeneze serebristo-chernykh lisits. Ontogenez 9(6):576–83, 1978 (Eng. Abstr.) **(Rus)**
*ADRENAL GLANDS, secretion/ AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN, blood/ ENGLISH ABSTRACT/ ESTRADIOL, secretion/ FEMALE/ *FOXES, blood/ *GONADS, secretion/ MALE/ *ONTOGENY/ *PROGESTERONE, blood/ *SEX HORMONES, blood/ TESTOSTERONE, secretion

2107. **Krause W:** Concentration of immunreactive FSH, LH and prolactin in seminal fluid following i.v. application of LH-RH and TRH. Andrologia 10(4):285–90, Jul-Aug 78
*FSH, analysis/ FSH, blood/ HUMAN/ *LH, analysis/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *PROLACTIN, analysis/ PROLACTIN, blood/ *SEMEN, analysis/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS

2108. **Krause W:** FSH, LH und Prolactin im Ejakulat nach der i.v. Injektion von LH-RH und TRH. Z Hautkr 53(23):893–5, 1 Dec 78 **(Ger)**
*FSH, analysis/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LH, analysis/ *LH-FSH RELEASING HORMONE, administration & dosage/ MALE/ *PROLACTIN, analysis/ *SEMEN, analysis/ STIMULATION, CHEMICAL/ TESTIS, drug effects/ *THYROTROPIN RELEASING HORMONE, administration & dosage

2109. **Kreis H, Lacombe M, Noel LH, et al:** Kidney-graft rejection: has the need for steroids to be re-evaluated? Lancet 2(8101):1169–72, 2 Dec 78
AZATHIOPRINE, administration & dosage/ COMPARATIVE STUDY/ DRUG EVALUATION/ FEMALE/ FOLLOW-UP STUDIES/ *GRAFT REJECTION, drug effects/ HISTOCOMPATIBILITY TESTING/ HUMAN/ KIDNEY FUNCTION TESTS/ *KIDNEY, transplantation/ MALE/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS, diagnosis/ POSTOPERATIVE COMPLICATIONS, etiology/ *POSTOPERATIVE COMPLICATIONS, prevention & control/ *PREDNISONE, administration & dosage/ RISK/ TIME FACTORS/ TRANSPLANTATION, ALLOGENEIC

2110. **Kremers P, Pasleau F, Gielen JE:** Is steroid-16alpha-hydroxylase supported by more than one monooxygenase? Biochem Biophys Res Commun 84(3):706–12, 16 Oct 78
ANIMAL/ FEMALE/ FLAVONES, pharmacodynamics/ KINETICS/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ METYRAPONE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ NAPHTHALENES, pharmacodynamics/ *OXYGENASES, metabolism/ PHENOBARBITAL, pharmacodynamics/ PREGNENOLONE CARBONITRILE, pharmacodynamics/ RATS/ SEX FACTORS/ *STEROID HYDROXYLASES, metabolism

2111. **Krempien B, Friedrich E, Ritz E:** Effect of PTH on osteocyte ultrastructure. Adv Exp Med Biol 103:437–50, 1978
ANIMAL/ MALE/ ORGANOIDS, drug effects/ OSTEOCYTES, drug effects/ *OSTEOCYTES, ultrastructure/ *PARATHYROID HORMONE, pharmacodynamics/ RATS

2112. **Krepkaia VK:** Vplyv riznykh skhem terapiï dysfunktsional'nykh matkovykh krovotech na stan hipofia i iaiechnykiv u zhinok reproduktyvnoho viku. Pediatr Akush Ginekol (5):47–9, Sep-Oct 78 **(Ukr)**
ADULT/ ANOVULATION, therapy/ ELECTROTHERAPY/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *OVARY, physiopathology/ *PITUITARY GLAND, physiopathology/ PROGESTATIONAL HORMONES, SYNTHETIC, therapeutic use/ UTERINE HEMORRHAGE, physiopathology/ *UTERINE HEMORRHAGE, therapy

2113. **Kressel HY, Gamsu G, Kalifa LG, et al:** Prolonged growth arrest of pulmonary metastases in papillary thyroid carcinoma. West J Med 129(5):424–9, Nov 78
ADOLESCENCE/ *CARCINOMA, PAPILLARY, pathology/ CASE REPORT/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ *THYROID NEOPLASMS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2114. **Kretova NE:** O klimaktericheskoĭ kardiopatii. Klin Med (Mosk) 56(10):40–4, Oct 78 (Eng. Abstr.) **(Rus)**

ADULT/ *CLIMACTERIC/ CLIMACTERIC, drug effects/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HEART DISEASES, drug therapy/ *HEART DISEASES, physiopathology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MIDDLE AGE/ OVARY, physiopathology/ SEX HORMONES, therapeutic use/ SYNDROME

2115. **Kreusser W, Ritz E:** The phosphate-depletion syndrome. Contrib Nephrol 14:162–74, 1978
ADENOSINE TRIPHOSPHATE, blood/ ALKALOSIS, RESPIRATORY, complications/ BURNS, complications/ CALCIUM, metabolism/ DIABETES MELLITUS, complications/ DIHYDROXYCHOLECALCIFEROLS, blood/ DIPHOSPHOGLYCERIC ACIDS, blood/ DRUG WITHDRAWAL SYMPTOMS, diagnosis/ ERYTHROCYTES, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ INTESTINAL ABSORPTION/ KIDNEY TUBULES, metabolism/ MAGNESIUM, metabolism/ OXYHEMOGLOBINS, metabolism/ PARENTERAL HYPERALIMENTATION, adverse effects/ PHOSPHATES, administration & dosage/ *PHOSPHATES, deficiency/ PHOSPHATES, metabolism/ STARVATION, complications/ SYNDROME

2116. **Krey LC, Silverman AJ:** The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. II. The regulation on gonadotropin secretion and the origin of terminals in the median eminence. Brain Res 157(2):247–55, 24 Nov 78
ANIMAL/ CASTRATION/ FEMALE/ *GONADOTROPINS, secretion/ GUINEA PIGS/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ IMMUNOLOGIC TECHNICS/ LH, blood/ *LH-FSH RELEASING HORMONE/ LH-FSH RELEASING HORMONE, metabolism/ MALE/ *MEDIAN EMINENCE, anatomy & histology/ MEDULLA OBLONGATA, anatomy & histology/ NEURAL PATHWAYS, anatomy & histology/ PREOPTIC AREA, anatomy & histology/ SEPTAL NUCLEI, anatomy & histology/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED

2117. **Krikorian JG, Daniels JR, Brown BW Jr, et al:** Variables for predicting serious toxicity (vinblastine dose, performance status, and prior therapeutic experience): chemotherapy for metastatic testicular cancer with cis-dichlorodiammineplatinum(II), vinblastine, and bleomycin. Cancer Treat Rep 62(10):1455–63, Oct 78
ADOLESCENCE/ ADULT/ *BLEOMYCIN, administration & dosage/ BLEOMYCIN, therapeutic use/ *DIAMMONIUM CHLOROPLATINUM COMPOUNDS, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ HUMAN/ MALE/ NEOPLASM METASTASIS/ *PLATINUM DIAMMINODICHLORIDE, administration & dosage/ PLATINUM DIAMMINODICHLORIDE, therapeutic use/ *TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VINBLASTINE, administration & dosage/ VINBLASTINE, adverse effects/ VINBLASTINE, therapeutic use

2118. **Krisch K, Jakesz R:** Primäres Osteosarkom der Schilddrüse. Zentralbl Allg Pathol 122(5):475–9, 1978 (Eng. Abstr.) **(Ger)**
AGED/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *SARCOMA, OSTEOGENIC, pathology/ SARCOMA, OSTEOGENIC, surgery/ *THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, surgery

2119. **Krishna KV, Thomas M:** A simplified regimen for the treatment of acute leukaemias in adults--Observations at the Medical College Hospital, Trivandrum.
J Assoc Physicians India 26(7):577–84, Jul 78
ACUTE DISEASE/ ADMINISTRATION, ORAL/ ADULT/ COMPARATIVE STUDY/ *CYCLOPHOSPHAMIDE, administration & dosage/ CYCLOPHOSPHAMIDE, adverse effects/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ INDIA/ INJECTIONS, INTRAVENOUS/ *LEUKEMIA, drug therapy/ MALE/ MIDDLE AGE/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, adverse effects

2120. **Krivenkova EM, Treshchuk LI:** Morfofunktsional'noe issledovanie semennikov belykh krys posle dlitel'nogo vkliucheniia v ratsion termicheski okislennykh zhirov. Vopr Pitan (6):59–64, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *DIETARY FATS, administration & dosage/ DIETARY FATS, adverse effects/ ENGLISH ABSTRACT/ MALE/ RATS/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, physiology/ TESTIS, drug effects/ *TESTIS, physiopathology/ TIME FACTORS

2121. **Krivitsky A:** Les hyperthyroïdies. Soins 23(23):9–15, 5 Dec 78 **(Fre)**
GOITER, EXOPHTHALMIC/ HUMAN/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, therapy

2122. **Krivitzky A:** La glande thyroïde. Avant-propos. Soins 23(23):3–4, 5 Dec 78 **(Fre)**
HUMAN/ *THYROID DISEASES/ *THYROID GLAND, physiology/ *THYROID HORMONES, physiology

2123. **Križanová O:** Mechanizmy prenikania vírusu cez povrchovú membránu buniek. hypotézy, teórie a fakty.
Bratisl Lek Listy 70(5):644–52, Nov 78 (Eng. Abstr.) **(Slo)**
ADENYL CYCLASE, physiology/ ANIMAL/ CELL MEMBRANE, enzymology/ *CELLS, metabolism/ CHICK EMBRYO/ ENGLISH ABSTRACT/ MOLECULAR BIOLOGY/ *VIRUSES, physiology/ VIRUSES, pathogenicity

2124. **Krnjevic K, Lamour Y, MacDonald JF, et al:** Intracellular actions of monoamine transmitters.
Can J Physiol Pharmacol 56(5):896–900, Oct 78
ACTION POTENTIALS, drug effects/ ANIMAL/ BIOGENIC AMINES, administration & dosage/ *BIOGENIC AMINES, pharmacodynamics/ CATS/ DOPAMINE, administration & dosage/ DOPAMINE, pharmacodynamics/ *MOTOR NEURONS, drug effects/ NEUROHUMORS, administration & dosage/ *NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, administration & dosage/ NOREPINEPHRINE, pharmacodynamics/ SEROTONIN, administration & dosage/ SEROTONIN, pharmacodynamics

2125. **Kröger H, Grätz R:** Induktion der Tyrosin-Aminotransferase (EC 2.5.1.5) in der Rattenleber durch Nicotinsäureamid.
J Clin Chem Clin Biochem 16(9):525–9, Sep 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ CORTISONE, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ ENZYME INDUCTION, drug effects/ FEMALE/ FOOD DEPRIVATION/ LIVER, drug effects/ *LIVER, enzymology/ METHIONINE, pharmacodynamics/ *NICOTINAMIDE, pharmacodynamics/ RATS/ *TYROSINE AMINOTRANSFERASE, biosynthesis/ TYROSINE, pharmacodynamics

2126. **Kronauer RE, Moore-Ede MC, Menser MS:** Ultradian cortisol rhythms in monkeys: synchronized or not synchronized? [letter] Science 202(4371):1001–2, 1 Dec 78
ANIMAL/ *HYDROCORTISONE, blood/ LIGHT/ MONKEYS/ *PERIODICITY/ RHESUS MONKEYS, blood

2127. **Krueger WA, Bo WJ, Chung MR:** The effects of repeated estrogen administration on cell division in the uterine luminal epithelium of the immature rat. Biol Reprod 19(2):385–8, Sep 78
ANIMAL/ EPITHELIUM, drug effects/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MITOSIS, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, cytology/ *UTERUS, drug effects

2128. **Kruglikov RI:** O nekotorykh neĭrokhimicheskikh mekhanizmakh obucheniia i pamiati.
Izv Akad Nauk SSSR [Biol] (6):902–10, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ACETYLCHOLINESTERASE, physiology/ ANIMAL/ *BRAIN, physiology/ COMPARATIVE STUDY/ CONDITIONING, CLASSICAL,

physiology/ ENGLISH ABSTRACT/ *LEARNING, physiology/ MEMORY, physiology/ NERVE TISSUE PROTEINS, biosynthesis/ NERVE TISSUE PROTEINS, physiology/ *NEUROHUMORS, physiology/ NOREPINEPHRINE, physiology/ RNA, physiology/ SEROTONIN, physiology

2129. **Krulich L, Coppings RJ, McCann SM, et al:** Inhibition of prolactin secretion by a direct effect of methysergide on the pituitary lactotrophs in the rat. Life Sci 23(16):1665–73, 23 Oct 78
ANIMAL/ DEPRESSION, CHEMICAL/ FEMALE/ MALE/ MEDIAN EMINENCE, physiology/ METHYLTYROSINES, pharmacodynamics/ *METHYSERGIDE, pharmacodynamics/ PIMOZIDE, pharmacodynamics/ PIRIBEDIL, pharmacodynamics/ PITUITARY GLAND, drug effects/ *PITUITARY GLAND, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ RATS/ SPIPERONE, pharmacodynamics/ THYROTROPIN, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2130. **Kruse H:** Pharmacological profile of thyroliberin (TRH): indications for antidepressant effects in man? pp. 237–44.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ CARDIOVASCULAR SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, drug effects/ *DEPRESSION, drug therapy/ DRUG SCREENING/ DRUG SYNERGISM/ HUMAN/ HYDROXYTRYPTOPHAN, pharmacodynamics/ HYPERGLYCEMIA, chemically induced/ HYPOTHERMIA, drug therapy/ LEVODOPA, pharmacodynamics/ MICE/ MONOGRAPH/ MOTOR ACTIVITY, drug effects/ OXOTREMORINE, antagonists & inhibitors/ RATS/ RESERPINE, antagonists & inhibitors/ RESPIRATION, drug effects/ SEROTONIN, metabolism/ TETRABENAZINE, antagonists & inhibitors/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics

2131. **Kruse K, Stein H, Hitzig WH, et al:** Lymph node plasmacytoma in a child: clinical and immunological findings with special reference to S-Ig and complement receptor subtypes. Eur J Pediatr 129(4):239–57, 1 Dec 78
B-LYMPHOCYTES/ BIOPSY/ CASE REPORT/ CHILD/ CLONE CELLS/ *COMPLEMENT 3/ FEMALE/ HUMAN/ *IGA/ IMMUNITY, CELLULAR/ *LYMPH NODES, pathology/ MELPHALAN, therapeutic use/ PLASMACYTOMA, drug therapy/ *PLASMACYTOMA, immunology/ PLASMACYTOMA, pathology/ PREDNISONE, therapeutic use/ T-LYMPHOCYTES

2132. **Krzymowski T, Kotwica J, Okrasa S, et al:** Luteal function in sows after unilateral infusion of PGF-2alpha into the anterior uterine vein on different days of the oestrous cycle. J Reprod Fertil 54(1):21–7, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ANIMAL/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, physiology/ CORPUS LUTEUM, ultrastructure/ *ESTRUS/ FEMALE/ INFUSIONS, PARENTERAL/ PROGESTERONE, blood/ PROGESTERONE, secretion/ PROSTAGLANDINS F, administration & dosage/ *PROSTAGLANDINS F, pharmacodynamics/ SWINE/ UTERUS, blood supply

2133. **Ksander GA, Vistnes LM, Fogarty DC:** Experimental effects on surrounding fibrous capsule formation from placing steroid in a silicone bag-gel prosthesis before implantation. Plast Reconstr Surg 62(6):873–84, Dec 78
ANIMAL/ COLLAGEN/ DIFFUSION/ FOREIGN BODY REACTION, etiology/ *FOREIGN BODY REACTION, pathology/ MALE/ MAMMAE, pathology/ *MAMMAE, surgery/ MAMMAE, ultrastructure/ *PROSTHESIS/ PROSTHESIS, adverse effects/ PROTEINS, analysis/ RATS/ *SILICONES/ SILICONES, adverse effects/ *TRIAMCINOLONE ACETONIDE, pharmacodynamics

2134. **Kubota K, Hamada I:** Visual tracking and neuron activity in the post-arcuate area in monkeys. J Physiol (Paris) 74(3):297–312, 1978
ANIMAL/ BRAIN MAPPING/ *BRAIN, physiology/ HYPOTHALAMUS, physiology/ MONKEYS/ *MOTOR CORTEX, physiology/ *MOVEMENT/ MUSCLE CONTRACTION/ TIME FACTORS/ VISUAL PERCEPTION, physiology/ WRIST, innervation/ WRIST, physiology

2135. **Kuenn JW, Weber R, Teague PO, et al:** Cryopathic gangrene with an IgM lambda cryoprecipitating cold agglutinin. Cancer 42(4):1826–33, Oct 78
ADULT/ AGGLUTININS/ AUTOANTIBODIES/ BREAST NEOPLASMS, complications/ CASE REPORT/ CHLORAMBUCIL, therapeutic use/ *CRYOGLOBULINS/ FEMALE/ *GANGRENE, complications/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ IGM/ IMMUNOGLOBULINS, LAMBDA CHAIN/ *LYMPHOPROLIFERATIVE DISORDERS, complications/ LYMPHOPROLIFERATIVE DISORDERS, therapy/ LYMPHOSARCOMA, complications/ MACROGLOBULINEMIA, complications/ MACROGLOBULINEMIA, therapy/ PARAPROTEINEMIAS, complications/ PARAPROTEINEMIAS, therapy/ PLASMAPHERESIS/ UNITED STATES GOV'T SUPPORTED

2136. **Kugai N, Dorantes L, Nissenson R, et al:** Parathyroid hormone receptors and stimulation of renal cyclic 3', 5' AMP in vitro: physiological relevance? Adv Exp Med Biol 103:537–42, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CHICKENS/ HOMEOSTASIS/ IN VITRO/ *KIDNEY, metabolism/ PARATHYROID HORMONE, blood/ *PARATHYROID HORMONE, metabolism/ *RECEPTORS, HORMONE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2137. **Kugai N, Ogata E:** [Idiopathic hypoparathyroidism] Nippon Rinsho 36(10):3349–54, Oct 78 (34 ref.) **(Jpn)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *HYPOPARATHYROIDISM/ HYPOPARATHYROIDISM, diagnosis/ HYPOPARATHYROIDISM, drug therapy/ INFANT/ MALE/ PARATHYROID HORMONE, therapeutic use/ PSEUDOHYPOPARATHYROIDISM, diagnosis/ REVIEW/ VITAMIN D, therapeutic use

2138. **Kuhajda FJ, Moore GW, Hutchins GM:** Adrenal insufficiency secondary to massive corticomedullary junction hemorrhage following hypotension in three anticoagulated patients. Circ Shock 5(3):291–7, 1978
*ADRENAL GLAND DISEASES, chemically induced/ AGED/ *ANTICOAGULANTS, adverse effects/ CASE REPORT/ *HEMORRHAGE, chemically induced/ HEMORRHAGE, etiology/ HEPARIN, adverse effects/ HUMAN/ *HYPOTENSION, etiology/ MALE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2139. **Kuhn O, Tobler H:** Quantitative analysis of RNA, glycogen and nucleotides from different developmental stages of Ascaris lumbricoides (var. suum). Biochim Biophys Acta 521(1):251–66, 21 Nov 78
ANIMAL/ *ASCARIS, physiology/ FEMALE/ *GLYCOGEN, metabolism/ LARVA/ MALE/ METAMORPHOSIS, BIOLOGICAL/ OOCYTES, metabolism/ OVARY, metabolism/ OVARY, ultrastructure/ *RIBONUCLEOTIDES, metabolism/ *RNA, metabolism/ SPERMATIDS, metabolism

2140. **Kühne W, Müller T:** Heilungsvorgänge an ultraschallgeschweissten Knochenfrakturen des Kaninchens. Exp Pathol (Jena) 16(1–6):102–8, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ BONE AND BONES, cytology/ ENGLISH ABSTRACT/ *FRACTURE FIXATION, INTERNAL, methods/ RABBITS/ TIME FACTORS/ ULTRASONIC THERAPY

2141. **Kuliev AKh, Baladzhaeva SS, Shindian MA:** Vliianie naftenovykh uglevodorodov naftalanskoi nefti i ikh fraktsii na uroven' katekholaminov v krovi. Vopr Kurortol Fizioter Lech Fiz Kult (6):52–4, Nov-Dec 78 **(Rus)**
ADRENAL GLANDS, drug effects/ ANIMAL/ AZERBAIJAN/ *CATECHOLAMINES, blood/ *CYCLOPARAFFINS, pharmacodynamics/ DOGS/ HEART, drug effects/ LIVER, drug effects/ *PETROLEUM

2142. **Kulikov VIu, Kaznacheev VP, Stiukhliaev VP, et al:** Vliianie nekotorykh gormonov na intensivnost' reaktsii

svobodnoradikal'nogo okisleniia lipidov v éksperimente. Biull Eksp Biol Med 86(11):531–3, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ANTIOXIDANTS/ CHINCHILLAS/ DIABETES MELLITUS, EXPERIMENTAL, blood/ ENGLISH ABSTRACT/ *EPINEPHRINE, pharmacodynamics/ *ERYTHROCYTES, drug effects/ FREE RADICALS/ *HYDROCORTISONE, pharmacodynamics/ *LIPIDS, metabolism/ OXIDATION-REDUCTION, drug effects/ RABBITS

2143. **Kulscár-Gergely J, Kulcsár A, Gomba S:** Estrogens as disposing factors in experimental liver injury. Exp Pathol (Jena) 16(1–6):283–90, 1978
ANIMAL/ BIOTRANSFORMATION/ *CARBON TETRACHLORIDE POISONING, metabolism/ DRUG INTERACTIONS/ *ESTROGENS, pharmacodynamics/ FEMALE/ HEXOBARBITAL, metabolism/ *LIVER, drug effects/ LIVER, metabolism/ LIVER, pathology/ NECROSIS/ PROPRANOLOL, pharmacodynamics/ RATS

2144. **Kumahara Y, Ogihara T, Hata T, et al:** [Pathophysiology and diagnosis of endocrine hypertension (author's transl)] Rinsho Byori 26(7):543–9, Jul 78 **(Jpn)**
ADULT/ CUSHING'S SYNDROME, complications/ *ENDOCRINE DISEASES, complications/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERTENSION, diagnosis/ *HYPERTENSION, etiology/ MALE/ MIDDLE AGE

2145. **Kumakura K, Battaini F, Hofmann M, et al:** Inhibitory effects of cyclic-AMP dependent protein kinase on guanylate cyclase activity in rat cerebellum. FEBS Lett 93(2):231–4, 15 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ AZIDES, pharmacodynamics/ *CEREBELLUM, enzymology/ ENZYME ACTIVATION, drug effects/ *GUANYL CYCLASE, antagonists & inhibitors/ GUANYL CYCLASE, metabolism/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RATS

2146. **Kumano M, Narabayashi K, Ito K:** [Differential diagnosis of thyroid diseases using Na131I, 99mTcO4- and 201TlCl scintigraphy (author's transl)] Kaku Igaku 15(5):713–20, Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IODINE RADIOISOTOPES, diagnostic use/ MALE/ MIDDLE AGE/ *RADIOISOTOPES, diagnostic use/ *TECHNETIUM, diagnostic use/ *THALLIUM, diagnostic use/ *THYROID DISEASES, radionuclide imaging

2147. **Kumar SA, Beach T, Dickerman HW:** Effect of chaotropic anions on the rate of dissociation of estradiol-receptor protein complexes of mouse uterine cytosol. Biochem Biophys Res Commun 84(3):631–8, 16 Oct 78
ANIMAL/ ANIONS/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ KINETICS/ MICE/ *RECEPTORS, ESTROGEN, metabolism/ TEMPERATURE/ *UTERUS, metabolism

2148. **Kumari GL, Das C, Talwar GP:** Evidence for the presence of oestrone, oestradiol-17beta and testosterone acetates in rabbit ovary. J Steroid Biochem 6(11–12):1517–22, Nov-Dec 75
ANIMAL/ CHROMATOGRAPHY, GAS/ CORPUS LUTEUM, metabolism/ *ESTRADIOL, analogs & derivatives/ ESTRADIOL, metabolism/ *ESTROGENIC SUBSTANCES, CONJUGATED, metabolism/ *ESTRONE, analogs & derivatives/ ESTRONE, metabolism/ FEMALE/ GRAAFIAN FOLLICLE, metabolism/ LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, metabolism/ RABBITS/ SPECTROPHOTOMETRY, INFRARED/ *TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, metabolism

2149. **Kume T, Tominaga A, Takashima Y:** Studies on the nurse cells and oogenesis in the sea urchin ovary. I. Morphology of the nurse cell (light microscopy of epon serial section). Med J Osaka Univ 28(3–4):173–82, Mar 78
ANIMAL/ FEMALE/ MICROTOMY/ *OOGENESIS/ OVARY, cytology/ *SEA URCHINS, anatomy & histology

2150. **Kumegawa M, Takuma T, Hosoda S, et al:** Effects of hormones on differentiation of parotid glands of suckling mice in vitro. Biochim Biophys Acta 544(1):53–61, 15 Nov 78
AMYLASES, metabolism/ ANIMAL/ *CELL DIFFERENTIATION, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *INSULIN, pharmacodynamics/ LACTATION/ MICE/ ORGAN CULTURE/ PAROTID GLAND, drug effects/ *PAROTID GLAND, physiology/ PAROTID GLAND, ultrastructure/ *PREDNISOLONE, pharmacodynamics/ *THYROXINE, pharmacodynamics

2151. **Kundu N, Carmody PJ, Didolkar SM, et al:** Sequential determination of serum human placental lactogen, estriol, and estetrol for assessment of fetal morbidity. Obstet Gynecol 52(5):513–20, Nov 78
*ESTETROL, blood/ *ESTRIOL, analogs & derivatives/ *ESTRIOL, blood/ FEMALE/ FETAL DEATH, blood/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ FETAL DISTRESS, blood/ FETAL DISTRESS, diagnosis/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ *PLACENTAL LACTOGEN, blood/ PREGNANCY IN DIABETES, blood/ PREGNANCY TOXEMIAS, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2152. **Kuntziger H, Amiel C:** Recent progress in renal handling of phosphate. Adv Exp Med Biol 103:3–10, 1978
ANIMAL/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, ultrastructure/ *KIDNEY, metabolism/ PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ SUBCELLULAR FRACTIONS, metabolism

2153. **Kuraishi Y, Fukui K, Shiomi H, et al:** Microinjection of opioids into the nucleus reticularis gigantocellularis of the rat: analgesia and increase in the normetanephrine level in the spinal cord. Biochem Pharmacol 27(23):2756–8, 1978
*ANALGESICS/ ANIMAL/ BRAIN/ ENKEPHALINS, administration & dosage/ ENKEPHALINS, pharmacodynamics/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ MEDULLA OBLONGATA/ MICROINJECTIONS/ MORPHINE, administration & dosage/ MORPHINE, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ NOREPINEPHRINE, metabolism/ *NORMETANEPHRINE, metabolism/ RATS/ SPINAL CORD, drug effects/ *SPINAL CORD, metabolism

2154. **Kurdybaĭlo FV, Shlimovich PB:** Patogenez vnepechenochykh narusheniĭ pri khronicheskom gepatite i tsirroze pecheni i puti ikh korrektsii. Ter Arkh 50(10):121–5, 1978 (25 ref.) (Eng. Abstr.) **(Rus)**
BLOOD COAGULATION/ CHRONIC DISEASE/ DIABETES MELLITUS, etiology/ ENGLISH ABSTRACT/ FEMINIZATION, etiology/ HEMATOPOIESIS/ HEMORRHAGE, etiology/ *HEPATITIS, complications/ HEPATITIS, physiopathology/ HUMAN/ HYPOGONADISM, etiology/ ISLANDS OF LANGERHANS, physiopathology/ KIDNEY DISEASES, etiology/ KIDNEY, physiopathology/ LEUKOPENIA, etiology/ *LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, physiopathology/ PANCREAS, physiopathology/ PANCREATITIS, etiology/ REVIEW/ TESTIS, physiopathology/ THROMBOPENIA, etiology

2155. **Kurlov T, Popova M:** Neovagina pri aplaziia na vlagalishte, matka, matochni trubi i iaĭchnik s prinos ot edin sluchaĭ. Akush Ginekol (Sofiia) 17(5):371–3, 1978 (Eng. Abstr.) **(Bul)**
ADULT/ *ARTIFICIAL ORGANS/ CASE REPORT/ ENGLISH ABSTRACT/ *FALLOPIAN TUBES, abnormalities/ FEMALE/ HUMAN/ *OVARY, abnormalities/ SIGMOID, transplantation/ TRANSPLANTATION, AUTOLOGOUS/ *UTERUS, abnormalities/ *VAGINA, abnormalities/ VAGINA, surgery

2156. **Kurman RJ, Andrade D, Goebelsmann U, et al:** An immunohistological study of steroid localization in Sertoli-Leydig tumors of the ovary and testis. Cancer 42(4):1772–83, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ESTRADIOL, metabolism/ *ESTRIOL, metabolism/ FEMALE/ HUMAN/ IMMUNOENZYME TECHNICS/ *LEYDIG CELL TUMOR, metabolism/ LEYDIG CELL TUMOR, pathology/ MALE/ MIDDLE AGE/

*OVARIAN NEOPLASMS, metabolism/ OVARIAN NEOPLASMS, pathology/ *PROGESTERONE, metabolism/ *SERTOLI CELL TUMOR, metabolism/ SERTOLI CELL TUMOR, pathology/ *TESTICULAR NEOPLASMS, metabolism/ TESTICULAR NEOPLASMS, pathology/ TESTOSTERONE, blood/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, metabolism

2157. **Kurman RJ, Norris HJ:** Germ cell tumors of the ovary. Pathol Annu 13(Pt. 1):291–325, 1978 (100 ref.)
ADOLESCENCE/ ADULT/ AGED/ ALPHA FETOPROTEINS, analysis/ CARCINOID TUMOR, pathology/ CELL TRANSFORMATION, NEOPLASTIC/ CHILD/ CHILD, PRESCHOOL/ CHORIOCARCINOMA, pathology/ DIAGNOSIS, DIFFERENTIAL/ DYSGERMINOMA, pathology/ FEMALE/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ INFANT/ MESONEPHROMA, pathology/ MIDDLE AGE/ NEOPLASM METASTASIS/ *NEOPLASMS, EMBRYONAL AND MIXED/ NEOPLASMS, EMBRYONAL AND MIXED, pathology/ *OVARIAN NEOPLASMS/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy/ PROGNOSIS/ REVIEW/ STRUMA OVARII, pathology/ TERATOID TUMOR, pathology

2158. **Kuroda M:** [A study on endemic goiter in East Java of the Republic of Indonesia (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(8):980–993, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ GOITER, ENDEMIC, blood/ *GOITER, ENDEMIC, occurrence/ HUMAN/ INDONESIA/ MALE/ MIDDLE AGE/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2159. **Kurokawa K, Kreusser WJ, Massry SG:** Phosphate depletion and adenine nucleotide metabolism in kidney and liver. Adv Exp Med Biol 103:327–41, 1978
*ADENINE NUCLEOTIDES, metabolism/ ADENYLATE KINASE, metabolism/ ANIMAL/ CALCIUM, metabolism/ KIDNEY, enzymology/ *KIDNEY, metabolism/ *LIVER, metabolism/ MAGNESIUM, metabolism/ MAGNESIUM, pharmacodynamics/ MALE/ *PHOSPHATES, deficiency/ PHOSPHATES, metabolism/ RATS/ TIME FACTORS

2160. **Kurskii MD, Osipenko AA, Kalinskiĭ MI, et al:** Nekotorye svoĭstva 3':5'-AMP-zavisimykh proteinkinaz skeletnykh myshts krys v norme i pri fizicheskoĭ nagruzke do utomleniia. Biokhimiia 43(10):1776–82, Oct 78 (Eng. Abstr.) **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ *FATIGUE, enzymology/ HISTONE KINASE, metabolism/ *ISOENZYMES, metabolism/ MALE/ *MUSCLES, enzymology/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RATS

2161. **Kurtzman NA, Arruda JA, Westenfelder C:** Gastric alkalosis. Contrib Nephrol 14:155–61, 1978
ALDOSTERONE, metabolism/ *ALKALOSIS, etiology/ ALKALOSIS, physiopathology/ ALKALOSIS, therapy/ ANIMAL/ BICARBONATES, metabolism/ CHLORIDES, metabolism/ DOGS/ EXTRACELLULAR SPACE, metabolism/ *GASTRIC LAVAGE, adverse effects/ HUMAN/ *KIDNEY, physiopathology/ POTASSIUM, metabolism/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED/ *VOMITING, complications

2162. **Kurtzman NA, Arruda JA, Westenfelder C:** Renal regulation of acid-base homeostasis. Contrib Nephrol 14:1–13, 1978 (13 ref.)
*ACID-BASE EQUILIBRIUM/ ACIDOSIS, metabolism/ ADAPTATION, PHYSIOLOGICAL/ ALDOSTERONE, physiology/ AMMONIA, metabolism/ AMMONIUM CHLORIDE, pharmacodynamics/ ANIMAL/ BICARBONATES, metabolism/ BUFFERS/ CALCIUM, pharmacodynamics/ CARBON DIOXIDE, blood/ CARBON DIOXIDE, urine/ DOGS/ EXTRACELLULAR SPACE, metabolism/ GLUCOSE, metabolism/ HUMAN/ KIDNEY TUBULES, DISTAL, metabolism/ *KIDNEY, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ POTASSIUM, metabolism/ REVIEW/ SODIUM, pharmacodynamics/ SULFATES, pharmacodynamics

2163. **Kurz C:** Savoir penser à un dysfonctionnement thyroïdien. Soins 23(23):2, 5 Dec 78 **(Fre)**
HUMAN/ *THYROID DISEASES, diagnosis

2164. **Kurz W, Wittlinger G, Litmanovitch YI, et al:** Effect of manual lymph drainage massage on urinary excretion of neurohormones and minerals in chronic lymphedema. Angiology 29(10):764–72, Oct 78
*ADRENAL CORTEX HORMONES, urine/ ADULT/ *CATECHOLAMINES, urine/ EPINEPHRINE, urine/ EVALUATION STUDIES/ FEMALE/ *HISTAMINE, urine/ HUMAN/ *INDOLES, urine/ *LYMPHEDEMA, therapy/ MALE/ *MASSAGE/ MIDDLE AGE/ *NATRIURESIS/ NOREPINEPHRINE, urine/ *POTASSIUM, urine/ *THYROXINE, urine

2165. **Kurzon RM, Sternberger LA:** Estrogen receptor immunocytochemistry. J Histochem Cytochem 26(10):803–8, Oct 78
ANIMAL/ CELL NUCLEUS, analysis/ *CERVIX UTERI, analysis/ CERVIX UTERI, ultrastructure/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ MUSCLES, analysis/ NAFOXIDINE, pharmacodynamics/ RATS/ *RECEPTORS, ESTROGEN, analysis

2166. **Kuśnierczyk W, Gierek T, Lakomik Z:** Przerzut raka brodawczakowatego tarczycy do gardła. Otolaryngol Pol 32(5):551–4, 1978 **(Pol)**
ADULT/ *CARCINOMA, PAPILLARY/ CARCINOMA, PAPILLARY, diagnosis/ CASE REPORT/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ *PHARYNGEAL NEOPLASMS/ PHARYNGEAL NEOPLASMS, diagnosis/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, diagnosis

2167. **Kuttenn F, Moufarège A, Mauvais-Jarvis P:** Bases hormanles de la contraception progestative discontinue. Nouv Presse Med 7(35):3109–13, 14 Oct 78 (Eng. Abstr.) **(Fre)**
ADULT/ *CONTRACEPTIVES, ORAL, administration & dosage/ *CONTRACEPTIVES, ORAL, SYNTHETIC, administration & dosage/ CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ DEPRESSION, CHEMICAL/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ LYNESTRENOL, administration & dosage/ LYNESTRENOL, pharmacodynamics/ LH, blood/ MENSTRUATION, drug effects/ *PROGESTATIONAL HORMONES, SYNTHETIC, administration & dosage/ PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ PROGESTERONE, blood

2168. **Kuzel M, Zinneman H, Nelson W, et al:** Competing circadian effects of methylprednisolone and rat weight, light chains, immunocytoma size and survival. Chronobiologia 5(3):295–311, Jul-Sep 78
ANIMAL/ BODY TEMPERATURE REGULATION/ BODY WEIGHT/ *CIRCADIAN RHYTHM/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ IMMUNOGLOBULINS, urine/ *LYMPHOMA, drug therapy/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ NEOPLASMS, EXPERIMENTAL, drug therapy/ RATS/ RATS, INBRED STRAINS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2169. **Kuznetsova LV, Skebel'skaia IuB:** Uroven' immunoreaktivnogo follikulostimuliriuiushchego gormona v gipofize i krovi plodov cheloveka. Ontogenez 9(5):487–94, 1978 (Eng. Abstr.) **(Rus)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ *FSH, analysis/ FSH, blood/ GESTATIONAL AGE/ HUMAN/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, ANTERIOR, analysis/ *PITUITARY GLAND, ANTERIOR,

embryology/ SEX FACTORS

2170. **Kvesitadze GI, Svanidze RS, Buachidze TSh, et al:** Kislotostabil'naia i kislotolabil'naia alf'a-amilazy plesnevykh gribov Aspergillus. Biokhimiia 43(9):1688–94, Sep 78 (Eng. Abstr.) **(Rus)**
*ALPHA-AMYLASE, analysis/ AMINO ACIDS, analysis/ *AMYLASES, analysis/ ASPERGILLUS NIGER, enzymology/ ASPERGILLUS ORYZAE, enzymology/ *ASPERGILLUS, enzymology/ CALCIUM, metabolism/ COMPARATIVE STUDY/ DRUG STABILITY/ ENGLISH ABSTRACT/ HYDROGEN-ION CONCENTRATION/ MOLECULAR WEIGHT/ PROTEIN CONFORMATION/ SULFHYDRYL COMPOUNDS, analysis

2171. **Kvetny J:** Thyroxine binding and deiodination of thyroxine by human lymphocytes. Clin Chim Acta 89(2):183–90, 16 Oct 78
ADULT/ BINDING SITES/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ KINETICS/ *LYMPHOCYTES, metabolism/ MIDDLE AGE/ *RECEPTORS, HORMONE, metabolism/ *THYROXINE, metabolism

2172. **Kvetny J:** The effect of lithium on the peripheral turnover of thyroxine and triiodothyronine.
Acta Endocrinol (Copenh) 89(4):687–92, Dec 78
ADULT/ CHROMATOGRAPHY, PAPER/ FEMALE/ HUMAN/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, chemically induced/ LITHIUM, adverse effects/ LITHIUM, blood/ *LITHIUM, pharmacodynamics/ LYMPHOCYTES, metabolism/ MALE/ MIDDLE AGE/ THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

2173. **Kwa HG, Bulbrook RD, Cleton F, et al:** An abnormal early evening peak of plasma prolactin in nulliparous and obese post-menopausal women. Int J Cancer 22(6):691–3, Dec 78
CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ *MENOPAUSE/ *OBESITY, blood/ PARITY/ *PROLACTIN, blood

2174. **Kyong CU, Virella G, Fudenberg HH, et al:** X-linked immunodeficiency with increased IgM: clinical, ethnic, and immunologic heterogeneity. Pediatr Res 12(10):1024–6, Oct 78
CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ IGA, analysis/ IGG, analysis/ *IGM, analysis/ IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES, diagnosis/ *IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ INFANT/ *LINKAGE (GENETICS)/ MALE/ RACIAL STOCKS/ *SEX CHROMOSOMES/ *X CHROMOSOME

L

2175. **Laakmann G, Benkert O:** Effects of antidepressants on pituitary hormones. pp. 255–78.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
ADMINISTRATION, ORAL/ CHLORIMIPRAMINE, administration & dosage/ *CHLORIMIPRAMINE, pharmacodynamics/ DESIPRAMINE, administration & dosage/ *DESIPRAMINE, pharmacodynamics/ *DIBENZAZEPINES, pharmacodynamics/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ *ISOQUINOLINES, pharmacodynamics/ LH, blood/ MALE/ MONOGRAPH/ NOMIFENSINE, administration & dosage/ *NOMIFENSINE, pharmacodynamics/ *PITUITARY HORMONES, blood/ PROLACTIN, blood/ SOMATOTROPIN, blood/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, blood/ TIME FACTORS

2176. **LaBan MM, Meerschaert JR, Taylor RS, et al:** Symphyseal and sacroiliac joint pain associated with pubic symphysis instability. Arch Phys Med Rehabil 59(10):470–2, Oct 78
ADOLESCENCE/ ADULT/ *BACKACHE, etiology/ BACKACHE, therapy/ ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ LUMBOSACRAL REGION, radiography/ MALE/ MIDDLE AGE/ PHYSICAL THERAPY/ *PUBIC SYMPHYSIS, physiopathology/ *SACROILIAC JOINT/ STEROIDS, therapeutic use

2177. **LaBella FS, Kim RS, Templeton J:** Opiate receptor binding activity of 17-alpha estrogenic steroids. Life Sci 23(17–18):1797–804, 30 Oct 78
ANIMAL/ BINDING, COMPETITIVE/ EQUILENIN, analogs & derivatives/ EQUILENIN, metabolism/ ESTRADIOL, metabolism/ ESTRANES, pharmacodynamics/ *ESTROGENS, metabolism/ IN VITRO/ MALE/ NALOXONE, metabolism/ RADIOLIGAND ASSAY/ RATS/ *RECEPTORS, NARCOTIC, metabolism

2178. **Labhart A:** Die männlichen Sexualhormone und ihre Derivate. Fortschr Med 96(40):2029–34, 26 Oct 78 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX, secretion/ CASTRATION/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ HUMAN/ HYPOGONADISM, etiology/ KIDNEY FAILURE, CHRONIC, metabolism/ LEYDIG CELLS, metabolism/ LIVER CIRRHOSIS, metabolism/ LH-FSH RELEASING HORMONE, deficiency/ MALE/ PRADER-WILLI SYNDROME, etiology/ TESTICULAR FEMINIZATION/ *TESTOSTERONE, physiology/ THYROID DISEASES, metabolism

2179. **Labrie F, Lagacé L, Ferland L, et al:** New aspects of the control of pituitary hormone secretion. Ann Clin Res 10(3):109–119, 1978 (72 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CELLS, CULTURED/ DOPAMINE, physiology/ ESTRADIOL, physiology/ FEMALE/ FSH, secretion/ HUMAN/ LH, secretion/ LH-FSH RELEASING HORMONE, physiology/ MALE/ *PITUITARY HORMONES, ANTERIOR, secretion/ PROGESTERONE, physiology/ PROLACTIN, secretion/ RATS/ RECEPTORS, HORMONE, physiology/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ THYROID HORMONES, physiology/ THYROTROPIN RELEASING HORMONE, physiology/ THYROTROPIN, physiology

2180. **Lacroix E, Eechaute W:** Het metabolisme van oestradiol door normale en cirrotische rattelevers. I. Oestradiolmetabolisme door geperfuseerde levers en leversneden.
Verh K Acad Geneeskd Belg 40(4):269–316, 1978 **(Dut)**
ANDROGENS, metabolism/ ANIMAL/ *ESTRADIOL, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *LIVER CIRRHOSIS, metabolism/ *LIVER, metabolism/ MALE/ PERFUSION/ RATS

2181. **Lacroix E, Eechaute W:** Het metabolisme van oestradiol door normale en cirrotische rattelevers. II. Oestradiolmetabolisme door leverhomogenaten en levermicrosomen.
Verh K Acad Geneeskd Belg 40(4):317–49, 1978 (Eng. Abstr.) **(Dut)**
ANIMAL/ ENGLISH ABSTRACT/ *ESTRADIOL, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ *LIVER CIRRHOSIS, metabolism/ *LIVER, metabolism/ MALE/ METHODS/ MICROSOMES, LIVER, metabolism/ ORGAN CULTURE/ RATS

2182. **Ladehoff P, Maruszczak A:** A pregnancy with a hydatidiform mole, thyreotoxicosis and live-born infant.
Acta Obstet Gynecol Scand 57(5):477–8, 1978
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, complications/ *HYPERTHYROIDISM, complications/ INFANT, NEWBORN/ *INFANT, PREMATURE/ PLACENTA, radionuclide imaging/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY/ PREGNANCY, MULTIPLE/ THYROXINE, blood/ TWINS/ *UTERINE NEOPLASMS, complications

2183. **Lafarga M, Hervás JP:** Intranuclear inclusions in pericytes of the hypothalamus of the rat. Cell Tissue Res 193(2):315–22, 17 Oct 78
ANIMAL/ CELL NUCLEUS, ultrastructure/ *CELLULAR INCLUSIONS, ultrastructure/ FEMALE/ HYPOTHALAMUS, cytology/ *HYPOTHALAMUS, ultrastructure/ MALE/ *RATS, anatomy & histology

2184. **Lagrue G, Moisy M, Intrator L, et al:** Traitement de l'oedème angio-neurotique héréditaire par les androgènes.
Nouv Presse Med 7(33):2927–31, 30 Sep 78 (Eng. Abstr.) **(Fre)**

ADULT/ AGED/ *ANDROGENS, administration & dosage/ ANDROGENS, therapeutic use/ *ANGIONEUROTIC EDEMA, drug therapy/ ANGIONEUROTIC EDEMA, familial & genetic/ ANGIONEUROTIC EDEMA, immunology/ COMPLEMENT 1 INACTIVATORS, analysis/ COMPLEMENT 2, analysis/ COMPLEMENT 3, analysis/ COMPLEMENT 4, analysis/ DANAZOL, administration & dosage/ DANAZOL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHANDROSTENOLONE, administration & dosage/ METHANDROSTENOLONE, therapeutic use/ MIDDLE AGE

2185. **Lakowski R, Morton A:** Acquired colour losses and oral contraceptives. Mod Probl Ophthalmol 19:314–8, 1978
ADOLESCENCE/ ADULT/ *COLOR BLINDNESS, chemically induced/ COLOR BLINDNESS, diagnosis/ COLOR BLINDNESS, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ *DIABETES MELLITUS, complications/ FEMALE/ HUMAN

2186. **Lakshmanan J:** Involvement of post-synaptic cytoskeleton in nerve growth factor-induce 'PI-effect'. FEBS Lett 95(1):161–4, 1 Nov 78
ANIMAL/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ *CYTOPLASM, metabolism/ DIAMIDE, pharmacodynamics/ *GANGLIA, AUTONOMIC, metabolism/ *GLYCOPROTEINS, metabolism/ MALE/ *MICROFILAMENTS, metabolism/ NERVE GROWTH FACTOR, antagonists & inhibitors/ *NERVE GROWTH FACTOR, pharmacodynamics/ *PHOSPHATIDYLINOSITOLS, metabolism/ *PINEAL BODY, metabolism/ RATS/ SYNAPTIC MEMBRANES, metabolism/ *TUBULIN, metabolism/ VINBLASTINE, pharmacodynamics

2187. **Lambe R, Hudson S, O'Kelly D, et al:** The metabolism of fluocortolone in the ram. Ir J Med Sci 147(11):393–403, Nov 78
ANIMAL/ *FLUOCORTOLONE, metabolism/ FRACTIONATION, methods/ MALE/ *PREGNADIENEDIOLS, metabolism/ *SHEEP, metabolism

2188. **Lamberg BA, Gordin A:** Abnormalities of thyrotrophin secretion and clinical implications of the thyrotrophin releasing hormone stimulation test. Ann Clin Res 10(3):171–83, 1978 (182 ref.)
BRAIN DISEASES, blood/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, etiology/ HYPOTHALAMUS/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ KIDNEY DISEASES, blood/ LIVER DISEASES, blood/ PITUITARY DISEASES, blood/ PITUITARY DISEASES, diagnosis/ PITUITARY HORMONES, secretion/ REVIEW/ THYROID GLAND, surgery/ THYROID HORMONES, therapeutic use/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN RELEASING HORMONE, physiology/ THYROTROPIN, blood/ *THYROTROPIN, secretion

2189. **Lameire N, Mussche M, Baele G, et al:** Hereditary fructose intolerance: a difficult diagnosis in the adult. Am J Med 65(3):416–23, Sep 78
ACIDOSIS, RENAL TUBULAR, etiology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ AGE FACTORS/ AMINOACIDURIA, RENAL, etiology/ BICARBONATES, urine/ *CARBOHYDRATE METABOLISM, INBORN ERRORS, diagnosis/ CASE REPORT/ DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ FANCONI SYNDROME, complications/ FANCONI SYNDROME, etiology/ FEMALE/ FRUCTOSE INTOLERANCE, complications/ *FRUCTOSE INTOLERANCE, diagnosis/ FRUCTOSE INTOLERANCE, familial & genetic/ FRUCTOSE, diagnostic use/ FRUCTOSEDIPHOSPHATE ALDOLASE, metabolism/ GLYCOSURIA, etiology/ HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ HYPOGLYCEMIA, etiology/ JAUNDICE, etiology/ LIVER, enzymology/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ PHOSPHATES, metabolism/ URIC ACID, blood/ URIC ACID, urine

2190. **Lamers CB, Festen HP, van Tongeren JH:** Long-term treatment with histamine H2-receptor antagonists in Zollinger-Ellison syndrome. Am J Gastroenterol 70(3):286–91, Sep 78
ADULT/ CASE REPORT/ CIMETIDINE, administration & dosage/ CIMETIDINE, adverse effects/ *CIMETIDINE, therapeutic use/ DEPRESSION, CHEMICAL/ DRUG EVALUATION/ FEMALE/ *GASTRIC JUICE, secretion/ *GASTRIC MUCOSA, secretion/ *GUANIDINES, therapeutic use/ HUMAN/ MALE/ METIAMIDE, administration & dosage/ METIAMIDE, adverse effects/ *METIAMIDE, therapeutic use/ *THIOUREA, analogs & derivatives/ TIME FACTORS/ *ZOLLINGER-ELLISON SYNDROME, drug therapy/ ZOLLINGER-ELLISON SYNDROME, physiopathology

2191. **Lamid S, Klingbeil G:** Hyperkalemia, hypercalcemia, and hyperuricemia after a diet with soup [letter] Am J Clin Nutr 31(12):2135, Dec 78
*DIET, REDUCING, adverse effects/ HUMAN/ *HYPERCALCEMIA, etiology/ *HYPERKALEMIA, etiology/ MALE/ MIDDLE AGE/ *URIC ACID, blood/ VEGETABLES

2192. **Lammintausta R, Erkkola R, Katainen P:** Effect of intravenous infusion of betasympathomimetic agents on plasma renin activity during pregnancy. Br J Obstet Gynaecol 85(11):828–31, Nov 78
*ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ FEMALE/ GLUCOSE, pharmacodynamics/ HUMAN/ ISOXSUPRINE, pharmacodynamics/ PREGNANCY TRIMESTER, THIRD, drug effects/ *PREGNANCY, drug effects/ *RENIN, blood/ RITODRINE, pharmacodynamics

2193. **Lammintausta R, Erkkola R, Eronen M:** Effect of chlorthiazide treatment on renin-aldosterone system during pregnancy. Acta Obstet Gynecol Scand 57(5):389–92, 1978
ADULT/ *ALDOSTERONE, urine/ *CHLOROTHIAZIDE, therapeutic use/ DIURESIS, drug effects/ *EDEMA, drug therapy/ FEMALE/ HUMAN/ NATRIURESIS, drug effects/ POTASSIUM, urine/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY/ *RENIN, blood/ SODIUM, urine

2194. **Lamon JM, Marynick SP, Roseblatt R, et al:** Idiopathic hemochromatosis in a young female. A case study and review of the syndrome in young people. Gastroenterology 76(1):178–83, Jan 79
ADULT/ AGE FACTORS/ ARTHRITIS, etiology/ CASE REPORT/ DIABETES MELLITUS, complications/ ENDOCRINE GLANDS, physiopathology/ FEMALE/ GENES, RECESSIVE/ HEMOCHROMATOSIS, diagnosis/ *HEMOCHROMATOSIS, familial & genetic/ HEMOCHROMATOSIS, therapy/ HUMAN/ HYPOGONADISM, complications/ LIVER DISEASES, etiology/ LIVER DISEASES, physiopathology/ LIVER FUNCTION TESTS/ LIVER, physiopathology/ MYOCARDIAL DISEASES, etiology/ SKIN MANIFESTATIONS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2195. **Lampert RP, Blackett PR, Rennert OM:** Management of diabetes insipidus with DDAVP [letter] J Pediatr 93(5):896–7, Nov 78
*ARGIPRESSIN, administration & dosage/ *DESMOPRESSIN, administration & dosage/ DESMOPRESSIN, adverse effects/ DESMOPRESSIN, therapeutic use/ *DIABETES INSIPIDUS, drug therapy/ FEMALE/ HUMAN/ INFANT/ MALE

2196. **Lamster I, Sonis S, Hannigan A, et al:** An association between Crohn's disease, periodontal disease and enhanced neutrophil function. J Periodontol 49(9):475–9, Sep 78
ADULT/ ALVEOLAR PROCESS/ BACTERIOLYSIS/ BONE RESORPTION, etiology/ CASE REPORT/ COMPARATIVE STUDY/ *ENTERITIS, REGIONAL, complications/ ENTERITIS, REGIONAL, drug therapy/ ENTERITIS, REGIONAL, immunology/ ENTERITIS, REGIONAL, physiopathology/ ESCHERICHIA COLI, cytology/ HUMAN/ MALE/ NEUTROPHILS, immunology/ *NEUTROPHILS, physiology/ *PERIODONTAL DISEASES, etiology/ PHAGOCYTOSIS/ PREDNISONE, adverse effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2197. **Lance JW, Spira PJ, Mylecharane EJ, et al:** Evaluation of drugs applicable to treatment of migraine in the cranial circulation of the monkey. Res Clin Stud Headache 6:13–8, 1978
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ BRADYKININ, pharmacodynamics/ *CEREBROVASCULAR CIRCULATION, drug effects/ CIMETIDINE, pharmacodynamics/ CLONIDINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ ERGOTAMINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ MACACA/ METHYSERGIDE, pharmacodynamics/ METIAMIDE, pharmacodynamics/ *MIGRAINE, physiopathology/ MONKEYS/ NOREPINEPHRINE, pharmacodynamics/ PIZOTYLINE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ SEROTONIN, pharmacodynamics

2198. **Landau B, Leiba S, Kaufman H, et al:** Unilateral adrenalectomy and pituitary irradiation in the treatment of ACTH-dependent Cushing's disease in children and adolescents. Clin Endocrinol (Oxf) 9(3):221–6, Sep 78
ADOLESCENCE/ ADRENALECTOMY/ CASE REPORT/ CHILD/ CORTICOTROPIN/ *CUSHING'S SYNDROME, therapy/ FEMALE/ HUMAN/ MALE/ PITUITARY GLAND, radiation effects/ SEX MATURATION

2199. **Landau H, Lasch E, Spitz IM, et al:** Hypothalamic-pituitary axis in total lipodystrophy. Monogr Hum Genet 10:188–91, 1978
CASE REPORT/ CHILD/ FSH, blood/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *LIPODYSTROPHY, blood/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ PROLACTIN, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

2200. **Landau RL:** What you should know about estrogens. Or the perils of Pauline. JAMA 241(1):47–51, 5 Jan 79
ANIMAL/ CORONARY DISEASE, occurrence/ CORONARY DISEASE, prevention & control/ DRUG LABELING/ ESTROGENIC SUBSTANCES, CONJUGATED/ ESTROGENS, administration & dosage/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ ESTROGENS, SYNTHETIC/ FEMALE/ GALLBLADDER DISEASES, chemically induced/ HUMAN/ LEGISLATION, DRUG/ MALE/ MENOPAUSE/ MIDDLE AGE/ OSTEOPOROSIS, prevention & control/ RATS/ RISK/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES/ UTERINE NEOPLASMS, chemically induced

2201. **Landfield PW, Waymire JC, Lynch G:** Hippocampal aging and adrenocorticoids: quantitative correlations. Science 202(4372):1098–102, 8 Dec 78
*ADRENAL GLANDS, anatomy & histology/ *AGING/ ANIMAL/ ASTROCYTES, cytology/ *CORTICOSTERONE, blood/ *HIPPOCAMPUS, cytology/ MALE/ NEUROGLIA, cytology/ ORGAN WEIGHT/ RATS/ RATS, INBRED F344

2202. **Lands WE, Sauter J, Stone GW:** Oxygen requirement for prostaglandin biosynthesis. Prostaglandins Med 1(2):117–20, Aug 78
ANIMAL/ FATTY ACIDS, metabolism/ IN VITRO/ KINETICS/ OSMOLAR CONCENTRATION/ *OXYGEN, pharmacodynamics/ PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS, biosynthesis/ SHEEP/ UNITED STATES GOV'T SUPPORTED

2203. **Lane SM, Lawson DE:** Differentiation of the changes in alkaline phosphatase from calcium ion-activated adenosine triphosphatase activities associated with increased calcium absorption in chick intestine. Biochem J 174(3):1067–70, 15 Sep 78
*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ *ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ *CALCIUM, metabolism/ CHICKENS/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINAL ABSORPTION, drug effects/ INTESTINES, drug effects/ *INTESTINES, metabolism

2204. **Lang F, Oberleithner H, Greger R, et al:** Factors involved in the altered phosphate reabsorption during phosphate loading in thyroparathyroidectomized rats. Adv Exp Med Biol 103:81–6, 1978
ABSORPTION/ ACID-BASE EQUILIBRIUM/ ANIMAL/ CALCIUM, physiology/ *KIDNEY, metabolism/ PARATHYROID GLANDS, physiology/ *PHOSPHATES, metabolism/ PHOSPHATES, pharmacodynamics/ RATS/ THYROIDECTOMY/ TIME FACTORS

2205. **Lange D, Henning H, Schirren C:** Andrologische Untersuchungen bei der Immun-supressiv-Therapie der chronisch-aggressiven Hepatitis. Andrologia 10(5):373–9, Sep-Oct 78 (Eng. Abstr.) **(Ger)**
*AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ *HEPATITIS, drug therapy/ HUMAN/ MALE/ SPERM MOTILITY, drug effects/ *SPERMATOGENESIS, drug effects/ *SPERMATOZOA, drug effects/ TESTIS, drug effects

2206. **Lange E, Hackenberg P:** Inkorporation von 3-H-Leuzin in Proteine des inkretorischen Systems der Maus under dem Einfluss von Haloperidol. Zentralbl Allg Pathol 122(5):496–501, 1978 (Eng. Abstr.) **(Ger)**
ADRENAL GLANDS, drug effects/ ANIMAL/ *ENDOCRINE GLANDS, drug effects/ ENGLISH ABSTRACT/ FEMALE/ *HALOPERIDOL, pharmacodynamics/ ISLANDS OF LANGERHANS, drug effects/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ LEUCINE, metabolism/ MICE/ *PANCREAS, drug effects/ PANCREAS, metabolism/ PITUITARY GLAND, drug effects/ *PROTEINS, metabolism/ SUPRAOPTIC NUCLEUS, drug effects/ THYROID GLAND, drug effects/ TRITIUM

2207. **Lange HH, Held E, Scherer B, et al:** Aspekte zur Pathogenese, Pathophysiologie und Pathobiochemie der essentiellen Hypertonie. Herz 3(4):252–60, Aug 78 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, physiology/ ANTIHYPERTENSIVE AGENTS, physiology/ BLOOD VESSELS, physiopathology/ BRAIN, physiopathology/ CATECHOLAMINES, physiology/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ HEART, physiopathology/ HUMAN/ HYPERTENSION, etiology/ HYPERTENSION, familial & genetic/ *HYPERTENSION, physiopathology/ KIDNEY, physiopathology/ OBESITY, complications/ SODIUM CHLORIDE, adverse effects/ STRESS, PSYCHOLOGICAL, complications

2208. **Langeland N:** The influence of oestrogen on bone metabolism. Arch Orthop Trauma Surg 92(2–3):149–52, 30 Aug 78
ADULT/ *BONE AND BONES, metabolism/ CALCIUM, metabolism/ COLLAGEN, metabolism/ DEPRESSION, CHEMICAL/ ESTROGENS, administration & dosage/ ESTROGENS, metabolism/ *ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE

2209. **Langer GA:** The structure and function of the myocardial cell surface. Am J Physiol 235(5):H461–8, Nov 78
ANIMAL/ ANIONS/ CALCIUM, metabolism/ CATIONS/ CELL MEMBRANE PERMEABILITY/ CELL MEMBRANE, ultrastructure/ ELECTRIC CONDUCTIVITY/ EXTRACELLULAR SPACE, metabolism/ GLYCOPROTEINS, metabolism/ MEMBRANE PROTEINS, metabolism/ *MYOCARDIUM, ultrastructure/ SARCOLEMMA, metabolism/ SARCOLEMMA, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2210. **Langer P, Földes O, Michajlovskij N, et al:** Krátkodobé podávanie Superpyrínu (SPOFA) a zmeny funkcie hypofýzo-tyreoidálnej osi a hladiny kortizolu v plazme u l'udských dobrovol'níkov. Bratisl Lek Listy 70(4):459–64, Oct 78 (Eng. Abstr.) **(Slo)**
ADULT/ *ASPIRIN, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ *THYROID HORMONES, blood/ THYROTROPIN, blood

2211. **Langone JJ:** [125I]protein A: a tracer for general use in immunoassay. J Immunol Methods 24(3–4):269–85, 1978
BINDING SITES, ANTIBODY/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IGM, analysis/ *IMMUNOASSAY, methods/ KINETICS/ SPECIES SPECIFICITY/

*STAPHYLOCOCCAL PROTEIN A

2212. **Lanham PR:** Iodine and acetone-containing plastic spray dressings [letter] Br Med J 2(6142):961, 30 Sep 78
ACETONE/ BLISTER, prevention & control/ HUMAN/ *IODINE, administration & dosage/ *OCCLUSIVE DRESSINGS

2213. **Lankin VS, Naumenko EV:** Emotsional'nyĭ stress ovets, vyzvannyĭ vidospetsificheskimi zvukovymi signalami trevogi. Zh Vyssh Nerv Deiat 28(5):994-7, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ENGLISH ABSTRACT/ PITUITARY-ADRENAL SYSTEM, physiopathology/ REACTION TIME, physiology/ SHEEP DISEASES, blood/ *SHEEP DISEASES, etiology/ SHEEP DISEASES, physiopathology/ SHEEP/ SPECIES SPECIFICITY/ STRESS, PSYCHOLOGICAL, blood/ *STRESS, PSYCHOLOGICAL, etiology/ STRESS, PSYCHOLOGICAL, physiopathology/ TIME FACTORS/ *VOCALIZATION, ANIMAL/ *11-HYDROXYCORTICOSTEROIDS, blood

2214. **Lapin V:** Auswirkung von Reserpin auf das Auftreten von 9,10-Dimethyl-1,2-Benzanthrazen-induzierten Tumoren bei pinealketomierten und thymektomierten Ratten. Onkologie 1(1):2-5, Feb 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ ENGLISH ABSTRACT/ LEUKEMIA, EXPERIMENTAL/ *NEOPLASMS, EXPERIMENTAL/ NEOPLASMS, EXPERIMENTAL, chemically induced/ PINEAL BODY, surgery/ RATS/ *RESERPINE, pharmacodynamics/ THYMECTOMY/ 9,10-DIMETHYL-1,2-BENZANTHRACENE

2215. **Laragh JH:** The renin system in high blood pressure, from disbelief to reality: converting-enzyme blockade for analysis and treatment. Prog Cardiovasc Dis 21(3):159-66, Nov-Dec 78 (24 ref.)
*ALDOSTERONE, metabolism/ *ANGIOTENSIN II, biosynthesis/ ANIMAL/ BLOOD PRESSURE, drug effects/ DOGS/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, etiology/ HYPERTENSION, MALIGNANT, etiology/ KININASE II/ LONG TERM CARE/ RABBITS/ *RENIN, metabolism/ REVIEW/ SODIUM, metabolism/ VASOCONSTRICTION, drug effects

2216. **Laragh JH, Letcher RL, Pickering TG:** Renin profiling for diagnosis and treatment of hypertension. JAMA 241(2):151-6, 12 Jan 79
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ BLOOD PRESSURE, drug effects/ HUMAN/ HYPERTENSION, diagnosis/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ HYPERTENSION, RENOVASCULAR, physiopathology/ KIDNEY, blood supply/ MODELS, BIOLOGICAL/ *RENIN, blood/ RENIN, physiology/ RENIN, secretion/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOCONSTRICTION, drug effects

2217. **Larbig W:** Psychophysiologische Ansätze in Atiologie und Therapie psychosomatischer Störungen. Z Psychosom Med Psychoanal 24(4):355-67, Oct-Dec 78 (Eng. Abstr.) **(Ger)**
ADRENAL CORTEX HORMONES, blood/ BIOFEEDBACK (PSYCHOLOGY)/ BRAIN, physiopathology/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HEMODYNAMICS/ HUMAN/ PROGNOSIS/ *PSYCHOPHYSIOLOGIC DISORDERS, etiology/ PSYCHOPHYSIOLOGIC DISORDERS, physiopathology/ PSYCHOPHYSIOLOGIC DISORDERS, therapy/ PSYCHOPHYSIOLOGY/ STRESS, PSYCHOLOGICAL, physiopathology

2218. **Larengood RW:** Nonsurgical treatment of impotence. Ann Plast Surg 1(2):239-40, Mar 78
ADULT/ ALCOHOL DRINKING/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ IMPOTENCE, etiology/ *IMPOTENCE, therapy/ MALE/ MIDDLE AGE/ SEX EDUCATION/ TESTOSTERONE, metabolism/ TESTOSTERONE, therapeutic use

2219. **Larrauri OM, Espinal BR:** Experiencias sobre el tratamiento general dc las hemorragias y un nuevo hemostático local. Rev Circ Argent Odontol 41(3-4):13-21, Sep-Dec 77 **(Spa)**
CLINICAL RESEARCH/ ESTRIOL, therapeutic use/ *HEMORRHAGE, ORAL, prevention & control/ HEMORRHAGIC DIATHESIS, complications/ *HEMOSTATICS, therapeutic use/ HUMAN/ TOOTH EXTRACTION/ 6-AMINOCAPROIC ACID, therapeutic use

2220. **Larsen J, Bottone EJ, Dikman S, et al:** Cervicofacial Actinomyces viscosus infection. J Pediatr 93(5):797-801, Nov 78
*ACTINOMYCOSIS, CERVICOFACIAL, microbiology/ ACTINOMYCOSIS, CERVICOFACIAL, pathology/ CASE REPORT/ CHILD/ HUMAN/ MALE/ PHARYNGEAL DISEASES, microbiology/ PHARYNGEAL DISEASES, pathology/ THYROID DISEASES, microbiology/ THYROID DISEASES, pathology

2221. **Larsen S, Lange AP, Sørensen T:** Hyperprolaktinaemisk amenoré behandlet med bromokriptin. Ugeskr Laeger 140(47):2927-9, 20 Nov 78 (Eng. Abstr.) **(Dan)**
ADULT/ AMENORRHEA, blood/ *AMENORRHEA, drug therapy/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY/ *PROLACTIN, blood/ *2-BROMOERGOCRYPTINE, therapeutic use

2222. **Larsen WJ, Hai-Nan:** Origin and fate of cytoplasmic gap junctional vesicles in rabbit granulosa cells. Tissue Cell 10(3):585-98, 1978
ACID PHOSPHATASE, analysis/ ANIMAL/ *CYTOPLASM, ultrastructure/ *ENDOCYTOSIS/ FEMALE/ FREEZE FRACTURING/ *GRANULOSA CELLS, ultrastructure/ INTERCELLULAR JUNCTIONS, metabolism/ *INTERCELLULAR JUNCTIONS, ultrastructure/ MEMBRANES, ultrastructure/ ORGANOIDS, enzymology/ RABBITS

2223. **Larsson A:** Ett realistiskt förslag till organisation. Lakartidningen 75(47):4340-1, 22 Nov 78 **(Swe)**
HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, occurrence/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, occurrence/ MASS SCREENING, organization & administration/ SWEDEN

2224. **Larsson B, Olsson K, Fyhrquist F:** Vasopressin release induced by hemorrhage in the goat. Acta Physiol Scand 104(3):309-17, Nov 78
ANIMAL/ ARGIPRESSIN, blood/ *ARGIPRESSIN, secretion/ BLOOD PRESSURE/ ELECTROLYTES, blood/ FEMALE/ GOATS/ HEMORRHAGE, blood/ *HEMORRHAGE, physiopathology/ OSMOLAR CONCENTRATION/ RENIN, blood/ RESPIRATION/ THIRST, physiology

2225. **Larsson L, Ohman S:** Serum ionized calcium and corrected total calcium in borderline hyperparathyroidism. Clin Chem 24(11):1962-5, Nov 78
*CALCIUM, blood/ HUMAN/ HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, diagnosis/ METHODS

2226. **Larsson LI:** Endocrine pancreatic tumors. Hum Pathol 9(4):401-16, Jul 78 (88 ref.)
ADULT/ ANIMAL/ APUD CELLS/ CHILD/ GASTRINS, secretion/ GLUCAGON, secretion/ HUMAN/ INFANT, NEWBORN/ ISLANDS OF LANGERHANS, cytology/ ISLET CELL TUMOR, classification/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ *PANCREATIC NEOPLASMS/ PANCREATIC NEOPLASMS, analysis/ PANCREATIC NEOPLASMS, classification/ PANCREATIC NEOPLASMS, pathology/ PANCREATIC NEOPLASMS, secretion/ PANCREATIC NEOPLASMS, ultrastructure/ PEPTIDES, analysis/ PEPTIDES, secretion/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, secretion

2227. **Lasneret J, Canivet M, Bittoun P, et al:** Essai d'activation des particules intracisternales de type A de la Souris par l'iododéoxyuridine et la dexamethasone. C R Acad Sci [D] (Paris) 287(4):399-401, 11 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ CELL LINE/ COMPARATIVE STUDY/ *DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ *IDOXURIDINE, pharmacodynamics/ *INCLUSION BODIES, VIRAL,

drug effects/ MICE

2228. **Lasson U, Nohl M:** Neurologische Kontrolle des Krankheitsverlaufes. Monatsschr Kinderheilkd 126(11):655–8, Nov 78 (Eng. Abstr.) **(Ger)**
ASTROCYTOMA, diagnosis/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, radiotherapy/ BRAIN NEOPLASMS, surgery/ BRAIN STEM/ CHILD/ DWARFISM, PITUITARY, etiology/ ENGLISH ABSTRACT/ EPENDYMOMA, diagnosis/ HUMAN/ MEDULLOBLASTOMA, diagnosis/ NEOPLASM RECURRENCE, LOCAL/ POSTOPERATIVE COMPLICATIONS/ PROGNOSIS/ RADIOTHERAPY, adverse effects/ TIME FACTORS

2229. **Lassus A:** Lokale Behandlung der Akne. Praxis 67(46):1713–6, 14 Nov 78 **(Ger)**
*ACNE, drug therapy/ ADMINISTRATION, TOPICAL/ ADOLESCENCE/ ADULT/ DEXAMETHASONE, therapeutic use/ DRUG RESISTANCE, MICROBIAL/ FEMALE/ HEXACHLOROPHENE, therapeutic use/ HUMAN/ LACTATES, therapeutic use/ MAGNESIUM SULFATE, therapeutic use/ MALE/ OINTMENTS/ SALICYLIC ACIDS, therapeutic use/ TETRACYCLINE, adverse effects/ ZINC, therapeutic use

2230. **Lau HL, Lawrence KW, Linkins SE, et al:** Early detection of human chorionic gonadotropin in urine by simple immunoassays. Am J Obstet Gynecol 132(6):691–3, 15 Nov 78
FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ IMMUNOASSAY/ PREGNANCY TESTS, IMMUNOLOGIC/ PREGNANCY/ RADIOIMMUNOASSAY/ RADIOLIGAND ASSAY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

2231. **Laufer J:** Nouveautés thérapeutiques en pathologie de la muqueuse buccale. Actual Odontostomatol (Paris) (122):171–86, Jun 78 (Eng. Abstr.) **(Fre)**
*ADRENAL CORTEX HORMONES, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ *LEVAMISOLE, therapeutic use/ *LEVODOPA, therapeutic use/ MONILIASIS, ORAL, drug therapy/ *MOUTH DISEASES, drug therapy/ MYCOSES, drug therapy/ *TRETINOIN, therapeutic use/ VIRUS DISEASES, drug therapy/ *VITAMIN A, analogs & derivatives

2232. **Laughren TP, Brown WA, Williams BW:** Serum prolactin and clinical state during neuroleptic treatment and withdrawal. Am J Psychiatry 136(1):108–10, Jan 79
ADULT/ ALCOHOLISM, blood/ ALCOHOLISM, drug therapy/ *DRUG WITHDRAWAL SYMPTOMS, blood/ HALOPERIDOL, adverse effects/ *HALOPERIDOL, therapeutic use/ HUMAN/ HYSTERIA, blood/ HYSTERIA, drug therapy/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ PSYCHIATRIC STATUS RATING SCALES/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, drug therapy/ THIORIDAZINE, adverse effects/ *THIORIDAZINE, therapeutic use

2233. **Laugier C, Clastrat B, Brard E:** Taux d'oestradiol plasmatique chez la Caille au cours du développement sexuel et après différents traitements oestrogéniques. C R Acad Sci [D] (Paris) 287(4):293–6, 11 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ CASTRATION/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ ESTRADIOL, physiology/ FEMALE/ ORGAN WEIGHT/ OVIDUCTS, physiology/ *QUAIL, physiology/ *SEX MATURATION

2234. **Laumosne J, Bourin M, Breheret J, et al:** Effets hormonaux de l'administration intraveineuse de 50 mg de déhydroépiandrostérone (DHEAS) chez la femme enceinte. J Gynecol Obstet Biol Reprod (Paris) 7(4):801–7, May–Jun 78 (Eng. Abstr.) **(Fre)**
*DEHYDROEPIANDROSTERONE, diagnostic use/ ENGLISH ABSTRACT/ *ESTRIOL, urine/ FEMALE/ FETAL DISTRESS, diagnosis/ GESTATIONAL AGE/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYSTEROIDS, urine/ *PLACENTA, metabolism/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ PREGNANEDIOL, blood/ TESTOSTERONE, blood/ 17-KETOSTEROIDS, urine

2235. **Laurberg P, Weeke J, Jensen SE:** Dejodering af tyroksin til aktivt og inaktivt trijodtyronin. Ugeskr Laeger 140(47):2909–12, 20 Nov 78 (Eng. Abstr.) **(Dan)**
CALORIC INTAKE/ ENGLISH ABSTRACT/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ INFANT, NEWBORN/ THYROXINE, blood/ *THYROXINE, metabolism/ TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, REVERSE, metabolism

2236. **Laurence KM, Gregory PJ:** Prenatal diagnosis of chromosome abnormality. Pathobiol Annu 8:155–87, 1978 (71 ref.)
*AMNIOCENTESIS/ CELLS, CULTURED/ CENTRAL NERVOUS SYSTEM, abnormalities/ CHROMOSOME ABERRATIONS/ *CHROMOSOME ABNORMALITIES, diagnosis/ DOWN'S SYNDROME, familial & genetic/ DRUG THERAPY/ ETHICS, MEDICAL/ FEMALE/ HUMAN/ MATERNAL AGE/ MOSAICISM/ POLYPLOIDY/ PREGNANCY/ RADIOTHERAPY/ REVIEW/ SEX DETERMINATION/ TRANSLOCATION (GENETICS)

2237. **Lauridsen UB, Eskildsen PC, Kirkegaard C, et al:** Prolactin release after TRH during altered adrenergic alpha and beta receptor influence. Horm Metab Res 10(5):452–4, Sep 78
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ ISOPROTERENOL, pharmacodynamics/ MALE/ METHOXAMINE, pharmacodynamics/ MIDDLE AGE/ PHENTOLAMINE, pharmacodynamics/ *PROLACTIN, secretion/ PROPRANOLOL, pharmacodynamics/ *RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, drug effects/ *RECEPTORS, ADRENERGIC, BETA, drug effects/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics

2238. **Lauritzen C, Lehmann WD:** Günstige Einflüsse Von Ostrogenen und Gestagenen auf Allgemeinerkrankungen. Fortschr Med 96(40):2014–8, 26 Oct 78 **(Ger)**
ACNE, drug therapy/ ALOPECIA, drug therapy/ ANEMIA, HYPOCHROMIC, drug therapy/ ANTIDEPRESSIVE AGENTS/ ARTHRITIS, RHEUMATOID, drug therapy/ *ESTROGENS, therapeutic use/ HIRSUTISM, drug therapy/ HUMAN/ OSTEOPOROSIS, drug therapy/ PREMENSTRUAL TENSION, drug therapy/ *PROGESTATIONAL HORMONES, therapeutic use/ SCLERODERMA, SYSTEMIC, drug therapy/ SEBORRHEA, drug therapy

2239. **Lauritzen C:** Ostrogene un Endometriumkarzinom Stellungnahme zur Veröffentlichung der Arzneimittel-Kommission. Fortschr Med 96(45):2293–4, 1 Dec 78 **(Ger)**
COCARCINOGENESIS/ CONGRESSES/ *ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ GERMANY, WEST/ HUMAN/ MENOPAUSE, drug effects/ PROGESTERONE, therapeutic use/ UNITED STATES/ *UTERINE NEOPLASMS, etiology/ WORLD HEALTH ORGANIZATION

2240. **LaVail MM, Ward PA:** Studies on the hormonal control of circadian outer segment disc shedding in the rat retina. Invest Ophthalmol Vis Sci 17(12):1189–3, Dec 78
ANIMAL/ CIRCADIAN RHYTHM/ GANGLIA, AUTONOMIC, physiology/ LIGHT/ PARATHYROID GLANDS, physiology/ *PINEAL BODY, physiology/ RATS/ RETINA, cytology/ *RETINA, physiology/ *RODS AND CONES, physiology/ THYROID GLAND, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2241. **Lavrushko IL:** O roli sheechnogo faktora v reproduktivnoi funktsii zhenshchiny. Akush Ginekol (Mosk) (10):1–5, 1978 (25 ref.) **(Rus)**
ADULT/ BIOPHYSICS/ CERVIX MUCUS, analysis/ CERVIX MUCUS, physiology/ CERVIX MUCUS, secretion/ CERVIX UTERI, anatomy & histology/ *CERVIX UTERI, physiology/ COITUS/ ESTROGENS, physiology/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ MICELLES/ PREGNANCY/ *REPRODUCTION/ REVIEW/ SPERM MOTILITY/ SPERM TRANSPORT/ SPERMATOZOA, physiology/ STERILITY, FEMALE, physiopathology/ TIME FACTORS

2242. **Lawler SD:** HLA and trophoblastic tumours. Br Med Bull

34(3):305–8, Sep 78 (16 ref.)
CHILD/ CHORIOCARCINOMA, immunology/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, immunology/ *HL-A ANTIGENS, analysis/ ISOANTIBODIES, biosynthesis/ MALE/ PREGNANCY/ REVIEW/ TROPHOBLASTIC TUMOR, familial & genetic/ *TROPHOBLASTIC TUMOR, immunology/ UTERINE NEOPLASMS, familial & genetic/ *UTERINE NEOPLASMS, immunology

2243. **Lawrence B, Santen RJ, Lipton A, et al:** Pancytopenia induced by aminoglutethimide in the treatment of breast cancer. Cancer Treat Rep 62(10):1581–3, Oct 78
AGED/ *AMINOGLUTETHIMIDE, adverse effects/ AMINOGLUTETHIMIDE, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ *CARCINOMA, DUCTAL, drug therapy/ CASE REPORT/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ *PANCYTOPENIA, chemically induced

2244. **Laychock SG, Hardman JG:** Effects of sodium nitroprusside and ascorbic acid on rat adrenocortical cell cGMP levels and steroidogenesis. J Cyclic Nucleotide Res 4(5):335–44, Oct 78
ADRENAL CORTEX, drug effects/ *ADRENAL CORTEX, metabolism/ ANIMAL/ *ASCORBIC ACID, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ *FERRICYANIDES, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ MALE/ *NITROPRUSSIDE, pharmacodynamics/ PREGNENOLONE, pharmacodynamics/ RATS/ *STEROIDS, biosynthesis/ STIMULATION, CHEMICAL/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2245. **Lázár G:** Application of cobalt-filling technique to show retinal projections in the frog. Neuroscience 3(8):725–36, 1978
BRAIN, anatomy & histology/ *COBALT, diagnostic use/ CORPORA QUADRIGEMINA, anatomy & histology/ *FROGS, anatomy & histology/ HUMAN/ HYPOTHALAMUS, anatomy & histology/ NERVE FIBERS, anatomy & histology/ OPTIC NERVE, anatomy & histology/ RANA ESCULENTA/ *RETINA, anatomy & histology/ *VISUAL PATHWAYS, anatomy & histology

2246. **Lazareva LV, Bazarevich GIa, Makarova LV:** Vliianie neĭromediatorov na kislotno-shchelochnoe sostoianie. Biull Eksp Biol Med 86(11):525–8, Nov 78 (Eng. Abstr.) **(Rus)**
ACETYLCHOLINE, physiology/ *ACID-BASE EQUILIBRIUM/ ACID-BASE EQUILIBRIUM, drug effects/ ADRENAL MEDULLA, physiology/ ANIMAL/ DOGS/ DROPERIDOL, pharmacodynamics/ ENGLISH ABSTRACT/ EPINEPHRINE, physiology/ FEMALE/ MALE/ *NEUROHUMORS, physiology/ NOREPINEPHRINE, physiology/ PANCREATECTOMY/ PROPRANOLOL, pharmacodynamics/ SEROTONIN, physiology

2247. **Lazer ES, Aggarwal ND, Hite GJ, et al:** Synthesis and biological activity of cocaine analogs I: N-alkylated norcocaine derivatives. J Pharm Sci 67(12):1656–8, Dec 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ BRAIN, metabolism/ *COCAINE, analogs & derivatives/ COCAINE, chemical synthesis/ COCAINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRINKING, drug effects/ FEMALE/ IN VITRO/ MALE/ MONKEYS/ RATS/ SEROTONIN, metabolism/ SQUIRREL MONKEYS/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism

2248. **Le Fur G, Kabouche M, Uzan A:** On the regional and specific serotonin uptake inhibition by LM 5008. Life Sci 23(19):1959–65, 9 Nov 78
ANIMAL/ ANTIDEPRESSIVE AGENTS, TRICYCLIC, pharmacodynamics/ BRAIN, drug effects/ BRAIN, metabolism/ DOPAMINE, metabolism/ FEMALE/ FLUOXETIN, pharmacodynamics/ IN VITRO/ INDOLES, pharmacodynamics/ MALE/ NOREPINEPHRINE, metabolism/ PARASYMPATHOLYTICS/ *PIPERIDINES, pharmacodynamics/ RABBITS/ RATS/ RECEPTORS, MUSCARINIC, drug effects/ *SEROTONIN, metabolism/ SQUIRREL MONKEYS/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism

2249. **Le Fur G, Schmelck PH, Geynet P, et al:** Cardiac beta-adrenergic receptor: evaluation of FM 24 as a new and very slowly dissociable blocker. Life Sci 23(17–18):1841–50, 30 Oct 78
ADENYL CYCLASE, metabolism/ *ADRENERGIC BETA RECEPTOR BLOCKADERS/ ALPRENOLOL, pharmacodynamics/ ANIMAL/ BICYCLO COMPOUNDS, pharmacodynamics/ DRUG STABILITY/ *HEART, drug effects/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MYOCARDIUM, enzymology/ *PROPANOLAMINES, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ SUBCELLULAR FRACTIONS, drug effects/ SUBCELLULAR FRACTIONS, enzymology/ TIME FACTORS

2250. **Leavitt WW, Chen TJ, Allen TC:** Regulation of progesterone receptor formation by estrogen action. Ann NY Acad Sci 286:210–25, 11 Mar 77
ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ ESTROGEN ANTAGONISTS, pharmacodynamics/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HAMSTERS/ HYPOTHALAMUS, metabolism/ IN VITRO/ MESOCRICETUS/ MODELS, BIOLOGICAL/ PITUITARY GLAND, ANTERIOR, metabolism/ RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, PROGESTERONE, biosynthesis/ *RECEPTORS, PROGESTERONE, drug effects/ UNITED STATES GOV'T SUPPORTED/ *UTERUS, drug effects/ UTERUS, metabolism/ VAGINA, drug effects/ VAGINA, metabolism

2251. **Lebech PE:** Kontraception. Ugeskr Laeger 140(49):3069–72, 4 Dec 78 **(Dan)**
ABORTION, INDUCED/ *CONTRACEPTION/ CONTRACEPTION, IMMUNOLOGIC/ CONTRACEPTIVES, ORAL, HORMONAL/ CONTRACEPTIVES, POSTCOITAL/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ MALE/ PREGNANCY/ STERILIZATION, SEXUAL

2252. **LeBoeuf A, Lodge J, Eames PG:** Vasopressin and memory in Korsakoff syndrome. Lancet 2(8104–5):1370, 23–30 Dec 78
ADULT/ AEROSOLS/ CASE REPORT/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ HUMAN/ *KORSAKOFF'S SYNDROME, physiopathology/ MALE/ *MEMORY DISORDERS, drug therapy/ *MEMORY, drug effects/ PLACEBOS/ *VASOPRESSINS, administration & dosage

2253. **Ledbetter FH, Kilpatrick D, Sage HL, et al:** Synthesis of chromogranins and dopamine beta-hydroxylase by perfused bovine adrenal glands. Am J Physiol 235(5):E475–86, Nov 78
*ADRENAL GLANDS, metabolism/ ANIMAL/ CATTLE/ *CHROMAFFIN GRANULES, metabolism/ *CHROMAFFIN SYSTEM, metabolism/ *DOPAMINE BETA-HYDROXYLASE, metabolism/ FEMALE/ MEMBRANE PROTEINS, biosynthesis/ MOLECULAR WEIGHT/ *PROTEINS, biosynthesis/ SOLUBILITY/ SUBCELLULAR FRACTIONS, metabolism/ TRITONS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2254. **Lederman RP, Lederman E, Work BA Jr, et al:** The relationship of maternal anxiety, plasma catecholamines, and plasma cortisol to progress in labor. Am J Obstet Gynecol 132(5):495–500, 1 Nov 78
ADULT/ *ANXIETY/ *EPINEPHRINE, blood/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ LABOR STAGE, FIRST/ LABOR STAGE, SECOND/ LABOR STAGE, THIRD/ *LABOR/ *NOREPINEPHRINE, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2255. **Ledet T:** A factor in diabetic serum stimulating proliferation of arterial medical cell culture. pp. 333–42.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.
ANIMAL/ *AORTA, cytology/ CELL NUMBER,

drug effects/ DIABETES MELLITUS, blood/ *DIABETES MELLITUS, EXPERIMENTAL, blood/ HUMAN/ HYPERLIPEMIA, blood/ INSULIN, blood/ MITOSIS, drug effects/ MOLECULAR WEIGHT/ MONOGRAPH/ *MUSCLE, SMOOTH, cytology/ RABBITS/ SOMATOTROPIN, blood/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2256. **Ledger WJ:** Aftermath of a cesarean. Hosp Pract 13(9):41, 46, 50, Sep 78
ABSCESS, etiology/ ABSCESS, surgery/ ADNEXITIS, etiology/ ADULT/ CASE REPORT/ CASTRATION/ *CESAREAN SECTION, adverse effects/ ENDOMETRITIS, etiology/ FALLOPIAN TUBES, surgery/ FEMALE/ GENITAL DISEASES, FEMALE, etiology/ HUMAN/ HYSTERECTOMY/ OVARIAN DISEASES, etiology/ OVARIAN DISEASES, surgery/ PREGNANCY

2257. **Lee AG:** The interactions between phosphatidylcholines and anaesthetic steroids. Biochem Pharmacol 28(1):91–5, 1979
*ANESTHETICS, LOCAL, metabolism/ FLUOROMETRY/ KINETICS/ LIPOSOMES, metabolism/ MODELS, BIOLOGICAL/ *PHOSPHATIDYLCHOLINES, metabolism/ *STEROIDS, metabolism/ THERMODYNAMICS

2258. **Lee C, Oliver L, Coe EL, et al:** Lactate dehydrogenase in normal mammary glands and in 7,12–dimethylbenz[a]anthracene–induced mammary tumors in Sprague–Dawley rats. JNCI 62(1):193–9, Jan 79
ADENOCARCINOMA, enzymology/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ *LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LACTATION/ MAMMAE, anatomy & histology/ *MAMMAE, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ *MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ OVARY, physiology/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 9,10–DIMETHYL–1,2–BENZANTHRACENE

2259. **Lee DB, Zawada ET, Kleeman CR:** The pathophysiology and clinical aspects of hypercalcemic disorders. West J Med 129(4):278–320, Oct 78 (582 ref.)
ADOLESCENCE/ ADULT/ AGED/ CALCIUM, blood/ CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, adverse effects/ FEMALE/ GRANULOMATOUS DISEASE, CHRONIC, complications/ HUMAN/ *HYPERCALCEMIA/ HYPERCALCEMIA, chemically induced/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, familial & genetic/ HYPERCALCEMIA, physiopathology/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, SECONDARY, complications/ HYPOTHYROIDISM, complications/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ NEOPLASMS, complications/ REVIEW/ SARCOIDOSIS, complications

2260. **Lee DB, Brautbar N, Walling NW, et al:** The biochemical indices of experimental phosphorus depletion (PD): a re–examination of their physiological implications. Adv Exp Med Biol 103:381–94, 1978
ANIMAL/ BODY WEIGHT/ CALCIUM, blood/ CALCIUM, metabolism/ CALCIUM, urine/ DIET/ FECES, analysis/ HYPOPHYSECTOMY/ IN VITRO/ INTESTINAL ABSORPTION/ MALE/ PHOSPHATES, blood/ PHOSPHATES, urine/ PHOSPHORUS, blood/ *PHOSPHORUS, deficiency/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

2261. **Lee HS, Fischer AG:** Bovine thyroidal xanthine oxidase. Int J Biochem 9(8):559–66, 1978
ANIMAL/ CATTLE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HYDROGEN–ION CONCENTRATION/ IN VITRO/ ISOELECTRIC FOCUSING/ MOLECULAR WEIGHT/ SUBSTRATE SPECIFICITY/ *THYROID GLAND, enzymology/ XANTHINE OXIDASE, antagonists & inhibitors/ XANTHINE OXIDASE, isolation & purification/ *XANTHINE OXIDASE, metabolism

2262. **Lee JK, Stanley RJ, Sagel SS, et al:** Accuracy of CT in detecting intraabdominal and pelvic lymph node metastases from pelvic cancers. AJR 131(4):675–9, Oct 78
ABDOMINAL NEOPLASMS, radiography/ FALSE POSITIVE REACTIONS/ FEMALE/ GENITAL NEOPLASMS, MALE, radiography/ HUMAN/ LYMPHATIC METASTASIS/ *LYMPHOMA, radiography/ MALE/ OVARIAN NEOPLASMS, radiography/ *PELVIC NEOPLASMS, radiography/ PELVIS, radiography/ PROSTATIC NEOPLASMS, radiography/ SPERMATIC CORD, radiography/ TESTICULAR NEOPLASMS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL, standards

2263. **Lee PA, Xenakis T, Winer J, et al:** Independence of gonadotropin and adrenal androgen secretion. Andrologia 10(5):369–72, Sep–Oct 78
*ADRENAL GLANDS, secretion/ ADULT/ *ANDROGENS, secretion/ ANDROSTENEDIONE, blood/ CLOMIPHENE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ DEHYDROEPIANDROSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ ESTRONE, blood/ FSH, blood/ FSH, pharmacodynamics/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYDROCORTISONE, blood/ HYDROXYPROGESTERONES, blood/ LH, blood/ MALE/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics

2264. **Lee PW, Neal RA:** Metabolism of methimazole by rat liver cytochrome P–450–containing monoxygenases. Drug Metab Dispos 6(5):591–600, Sep–Oct 78
ANIMAL/ CARBON RADIOISOTOPES, diagnostic use/ *CYTOCHROME P–450, metabolism/ IN VITRO/ MALE/ *METHIMAZOLE, metabolism/ *MICROSOMES, LIVER, enzymology/ *MIXED FUNCTION OXIDASES, metabolism/ NADP, metabolism/ *OXIDOREDUCTASES, metabolism/ RATS/ SULFUR RADIOISOTOPES, diagnostic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2265. **Lee TG, Brickman FE, Satterwhite GR, et al:** Ultrasound demonstration of wandering spleen. Arch Surg 114(1):13–5, Jan 79
ABDOMINAL NEOPLASMS, diagnosis/ ADOLESCENCE/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN CYSTS, diagnosis/ *SPLEEN, abnormalities/ SPLEEN, radiography/ *ULTRASONICS, diagnostic use

2266. **Lees AW, Burns PE, Grace M:** Oral contraceptives and breast disease in premenopausal Northern Albertan women. Int J Cancer 22(6):700–7, Dec 78
ADULT/ AGE FACTORS/ ALBERTA/ *BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, pathology/ BREAST, pathology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ PROSPECTIVE STUDIES/ RISK/ TIME FACTORS

2267. **Lees WR, Vahl SP, Watson LR, et al:** The role of ultrasound scanning in the diagnosis of thyroid swellings. Br J Surg 65(10):681–4, Oct 78
CYSTS, diagnosis/ GOITER, NODULAR, diagnosis/ HUMAN/ *THYROID DISEASES, diagnosis/ THYROID NEOPLASMS, diagnosis/ THYROIDITIS, diagnosis/ *ULTRASONICS, diagnostic use

2268. **Lefer AM:** Properties of cardioinhibitory factors produced in shock. Fed Proc 37(13):2734–40, Nov 78 (76 ref.)
ANIMAL/ BIOLOGICAL ASSAY/ DEPRESSION, CHEMICAL/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ MESENTERIC ARTERIES/ MOLECULAR WEIGHT/ MYOCARDIAL CONTRACTION/ PEPTIDES, blood/ PROSTAGLANDINS, therapeutic use/ RETICULOENDOTHELIAL SYSTEM, physiopathology/ REVIEW/ SHOCK, blood/ *SHOCK, physiopathology/ SHOCK, therapy/ VASOCONSTRICTION, drug effects

2269. **Lefkowitz RJ, Limbird LE, Williams LT, et al:** Beta–adrenergic receptors: regulatory role of agonists. J Supramol Struct 8(4):501–10, 1978
*ADENYL CYCLASE, metabolism/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ CELL–FREE SYSTEM/ ENZYME ACTIVATION, drug effects/ ERYTHROCYTE MEMBRANE, metabolism/ FROGS/ GUANINE

NUCLEOTIDES, pharmacodynamics/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2270. **Legname AR, Buhler MI:** Metabolic behaviour and cleavage capacity in the amphibian egg. J Embryol Exp Morphol 47:161–8, Oct 78
ANIMAL/ *BUFO ARENARUM, metabolism/ CITRATES, metabolism/ FUMARATES, metabolism/ MITOSIS/ *OOCYTES, metabolism/ OVULATION INDUCTION/ *OVUM, metabolism/ SEASONS/ ZYGOTE, metabolism

2271. **Legros JJ, Mormont C, Servais J:** Testostérone et sexualité chez l'homme. Probl Actuels Endocrinol Nutr (21):69–81, 1977 (30 ref.) **(Fre)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ COITUS, physiology/ GENITALIA, MALE, embryology/ GENITALIA, MALE, growth & development/ HUMAN/ IMPOTENCE, etiology/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ REVIEW/ *SEX BEHAVIOR, physiology/ SEX DIFFERENTIATION/ SOCIAL BEHAVIOR/ *TESTOSTERONE, physiology

2272. **Lehane MJ, Laurence BR:** Development of the calyx and lateral oviduct during oogenesis in Aedes aegypti.
Cell Tissue Res 193(1):125–37, 6 Oct 78
*AEDES, anatomy & histology/ ANIMAL FEED/ ANIMAL/ BLOOD/ FEMALE/ GUINEA PIGS/ *OOGENESIS/ *OVARY, growth & development/ OVARY, ultrastructure/ *OVIDUCTS, growth & development/ OVIDUCTS, ultrastructure

2273. **Lehman RA, Reeves JD, Wilson WB, et al:** Neurological complications of infantile osteopetrosis. Ann Neurol 2(5):378–84, Nov 77
ATROPHY/ *BRAIN DISEASES, etiology/ BRAIN, pathology/ CEREBRAL ANOXIA, pathology/ CHILD DEVELOPMENT/ ELECTROMYOGRAPHY/ FACIAL PARALYSIS, etiology/ FEMALE/ GLIOSIS, pathology/ HEARING LOSS, BILATERAL, etiology/ HUMAN/ HYDROCEPHALUS, etiology/ INFANT/ MALE/ MOVEMENT DISORDERS, etiology/ NYSTAGMUS, etiology/ OPTIC ATROPHY, etiology/ *OSTEOPETROSIS, complications/ OSTEOPETROSIS, pathology/ OSTEOPETROSIS, radiography/ SKULL, radiography/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2274. **Lehmann F:** Diagnostic approach to ovarian dysfunction. Horm Res 9(6):319–38, 1978
AMENORRHEA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *MENSTRUATION DISORDERS, diagnosis/ MENSTRUATION DISORDERS, physiopathology/ OLIGOMENORRHEA, diagnosis/ *OVARY, physiopathology/ POLYMENORRHEA, diagnosis

2275. **Lehmann V:** Ursachen und Therapie der weiblichen Sterilität. Schwest Rev 16(11):12–5, 15 Nov 78 **(Ger)**
CLOMIPHENE, therapeutic use/ CYCLOFENIL, therapeutic use/ FEMALE/ HUMAN/ *STERILITY, FEMALE/ STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology

2276. **Lehrach H, Frischauf AM, Hanahan D, et al:** Construction and characterization of a 2.5-kilobase procollagen clone. Proc Natl Acad Sci USA 75(11):5417–21, Nov 78
BASE SEQUENCE/ BONE AND BONES, metabolism/ CHICK EMBRYO/ DNA RESTRICTION ENZYMES/ *DNA, RECOMBINANT/ DNA, RECOMBINANT, metabolism/ ESCHERICHIA COLI, metabolism/ MOLECULAR WEIGHT/ PLASMIDS/ *PROCOLLAGEN, biosynthesis/ RNA, MESSENGER, metabolism/ TRANSFORMATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2277. **Leibowitz HM, Kupferman A, Stewart RH, et al:** Evaluation of dexamethasone acetate as a topical ophthalmic formulation. Am J Ophthalmol 86(3):418–23, Sep 78
ANIMAL/ BIOLOGICAL AVAILABILITY/ *DEXAMETHASONE, analogs & derivatives/ DEXAMETHASONE, metabolism/ DEXAMETHASONE, pharmacodynamics/ DEXAMETHASONE, therapeutic use/ EVALUATION STUDIES/ FEMALE/ INTRAOCULAR PRESSURE, drug effects/ KERATITIS, drug therapy/ MALE/ OPHTHALMIC SOLUTIONS/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2278. **Leicht E, Biro G:** Vergleichsuntersuchung zur Thyrotropin-Bestimmung an 6 kommerziell erhältlichen Testpackungen. J Clin Chem Clin Biochem 16(10):551–5, Oct 78 (Eng. Abstr.) **(Ger)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ METHODS/ RADIOIMMUNOASSAY, instrumentation/ *THYROTROPIN, analysis

2279. **Leichter SB, Poffenbarger PL:** The effects of nonsuppressible insulin-like protein (NSILP) on cyclic nucleotide metabolism in rat liver. Biochem Biophys Res Commun 84(2):403–10, 29 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ EPINEPHRINE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ IN VITRO/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ *NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

2280. **Lejonc JL, Brochard P, Schaeffer A, et al:** Les cortico-surrénalomes malins non sécrétants.
Nouv Presse Med 7(35):3147, 14 Oct 78 **(Fre)**
ADRENAL CORTEX NEOPLASMS, diagnosis/ *ADRENAL CORTEX NEOPLASMS, pathology/ HUMAN

2281. **Lemaire S, Magnan J, Regoli D:** Rat vas deferens: a specific bioassay for endogenous opioid peptides. Br J Pharmacol 64(3):327–9, Nov 78
ANIMAL/ CATS/ ELECTRIC STIMULATION/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ RABBITS/ RATS/ *VAS DEFERENS, drug effects

2282. **Lemaire S, Bérubé A, Derome G, et al:** Synthesis and biological activity of beta-endorphin and analogues. Additional evidence for multiple opiate receptors. J Med Chem 21(12):1232–5, Dec 78
ANIMAL/ BRAIN, metabolism/ *ENDORPHINS, chemical synthesis/ ENDORPHINS, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NALOXONE, metabolism/ RATS/ *RECEPTORS, NARCOTIC, drug effects/ RECEPTORS, NARCOTIC, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ VAS DEFERENS, drug effects

2283. **Lemarchand-Béraud T, Ruedi B, Burckhardt P:** Utilité et limite du test au LHRH en endocrinologie sexuelle.
Ann Endocrinol (Paris) 39(3):229–31, 1978 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ *AMENORRHEA, diagnosis/ ENDOCRINE DISEASES, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ *GONADS/ HUMAN/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ *STERILITY, diagnosis

2284. **Lemkes HH, Reitsma PH, Frijlink W, et al:** A new diphosphonate: dissociation between effects on cells and mineral in rats and a preliminary trial in Paget's disease. Adv Exp Med Biol 103:459–69, 1978
ANIMAL/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CALCIUM, metabolism/ CLINICAL RESEARCH/ *DIPHOSPHONATES, pharmacodynamics/ DIPHOSPHONATES, therapeutic use/ HUMAN/ HYDROXYPROLINE, metabolism/ LACTATES, metabolism/ MALE/ *MINERALS, metabolism/ *OSTEITIS DEFORMANS, drug therapy/ PROLINE, metabolism/ RATS

2285. **Lemmon WB, Allen ML:** Continual sexual receptivity in the female chimpanzee (Pan troglodytes).
Folia Primatol (Basel) 30(1):80–8, 1978
ANIMAL/ *CHIMPANZEES, physiology/ COPULATION/ FEMALE/ LACTATION/ MALE/ MENSTRUATION/ PREGNANCY/ *SEX

BEHAVIOR, ANIMAL

2286. **Leńko J:** Poznámky ke zpusobu léčení induratio penis plastica. Cas Lek Cesk 117(37):1166–8, 15 Sep 78 (Eng. Abstr.) **(Cze)**
ADULT/ CORTISONE, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ MALE/ METHODS/ PENILE INDURATION, drug therapy/ PENILE INDURATION, radiotherapy/ PENILE INDURATION, surgery/ *PENILE INDURATION, therapy/ ULTRASONIC THERAPY/ VITAMIN E, therapeutic use

2287. **Lent BA, Lee KH, Kim KH:** Regulation of rat liver acetyl-CoA carboxylase. Stimulation of phosphorylation and subsequent inactivation of liver acetyl-CoA carboxylase by cyclic 3':5'-monophosphate and effect on the structure of the enzyme. J Biol Chem 253(22):8149–56, 25 Nov 78
*ACETYL COA CARBOXYLASE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CITRATES, pharmacodynamics/ ENZYME ACTIVATION/ KINETICS/ *LIGASES, metabolism/ *LIVER, enzymology/ PROTEIN BINDING/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2288. **Leonardi RG, Alexander B, White F, et al:** Effect of arachidonic acid on some inhibitors of the human platelet release reaction. Biochem Pharmacol 27(17):2131–8, 1978
ADENOSINE DIPHOSPHATE, pharmacodynamics/ *ARACHIDONIC ACIDS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ EPINEPHRINE, pharmacodynamics/ EDTA, pharmacodynamics/ HUMAN/ IN VITRO/ *SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2289. **Leppäluoto J, Koivusalo F, Kraama R:** Thyrotropin-releasing factor: distribution in neural and gastrointestinal tissues. Acta Physiol Scand 104(2):175–9, Oct 78
ANIMAL/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, ION EXCHANGE/ *GASTROINTESTINAL SYSTEM, analysis/ *NERVOUS SYSTEM, analysis/ RADIOIMMUNOASSAY/ RATS/ *THYROTROPIN RELEASING HORMONE/ THYROTROPIN RELEASING HORMONE, analysis/ TISSUE DISTRIBUTION

2290. **Lerario AC, Pierce JG, Vaitukaitis JL:** Effect of conformation of hCG-beta on generation of hCG-specific antibody. Endocr Res Commun 5(1):43–55, 1978
*ANTIBODY FORMATION/ CROSS REACTIONS/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ *GONADOTROPINS, CHORIONIC, immunology/ HUMAN/ LH/ PROTEIN CONFORMATION/ RABBITS, immunology/ THYROTROPIN, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2291. **Leslie RD, Isaacs AJ, Gomez J, et al:** Body weight and endocrine function in anorexia nervosa [letter] Br Med J 2(6150):1498, 25 Nov 78
*ANOREXIA NERVOSA, metabolism/ BODY WEIGHT/ DOPAMINE, metabolism/ HUMAN/ PROLACTIN, secretion

2292. **Lesnykh LD, Laskavaia AI:** Soderzhanie katekholaminov i kortikosterondov v tkaniakh morskikh svinok pri C-gipovitaminoze. Ukr Biokhim Zh 50(5):592–5, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
*ADRENAL CORTEX HORMONES, metabolism/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL/ *ASCORBIC ACID DEFICIENCY, metabolism/ BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ EPINEPHRINE, metabolism/ GUINEA PIGS/ LIVER, metabolism/ MALE/ TISSUE DISTRIBUTION

2293. **Lester GE, Gray TK, Lorenc RS:** Evidence for maternal and fetal differences in vitamin D metabolism. Proc Soc Exp Biol Med 159(2):303–7, Nov 78
ANIMAL/ COMPARATIVE STUDY/ DIHYDROXYCHOLECALCIFEROLS, blood/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ FEMALE/ FETAL BLOOD, metabolism/ *FETUS, metabolism/ HYDROXYCHOLECALCIFEROLS, blood/ *HYDROXYCHOLECALCIFEROLS, metabolism/ INTESTINE, SMALL, metabolism/ KIDNEY, metabolism/ NEPHRECTOMY/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ RATS/ *VITAMIN D DEFICIENCY, complications/ VITAMIN D DEFICIENCY, metabolism

2294. **Lester PD, McAlister WH:** Pneumopelvigraphy in childhood. AJR 131(4):607–12, Oct 78
ADOLESCENCE/ AGE FACTORS/ AMENORRHEA, radiography/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HERMAPHRODITISM, radiography/ HUMAN/ HYPOMENORRHEA, radiography/ INFANT/ INFANT, NEWBORN/ MALE/ PELVIC NEOPLASMS, radiography/ *PELVIS, radiography/ *PNEUMORADIOGRAPHY, methods/ PUBERTY, PRECOCIOUS, radiography/ STEIN-LEVENTHAL SYNDROME, radiography/ TURNER'S SYNDROME, radiography/ VIRILISM, radiography

2295. **Letellier MA, Plotka ED, Seal US, et al:** A technique for pinealectomy in deer, with notes on the neuroanatomy. Am J Vet Res 39(10):1617–20, Oct 78
ANIMAL/ *BRAIN, anatomy & histology/ DEER, anatomy & histology/ *DEER, surgery/ MALE/ METHODS/ PINEAL BODY, anatomy & histology/ *PINEAL BODY, surgery/ UNITED STATES GOV'T SUPPORTED

2296. **Leung BS, Pearson JR, Martin RP:** Enterohepatic cycling of 3H-estrone in the bull: identification of estrone-3-glucuronide. J Steroid Biochem 6(11–12):1477–81, Nov-Dec 75
ANIMAL/ *BILE, metabolism/ CATTLE/ DUODENUM/ *ESTROGENIC SUBSTANCES, CONJUGATED, metabolism/ *ESTRONE, analogs & derivatives/ ESTRONE, metabolism/ *GALLBLADDER, metabolism/ GLUCURONATES, metabolism/ KINETICS/ *LIVER, metabolism/ MALE/ SPECTROPHOTOMETRY, INFRARED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2297. **Leung PC, Goff AK, Kennedy TG, et al:** An intraovarian inhibitory action of estrogen on androgen production in vivo. Biol Reprod 19(3):641–7, Oct 78
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, pharmacodynamics/ HYPOPHYSECTOMY/ LH, pharmacodynamics/ *OVARY, drug effects/ OVARY, metabolism/ PROGESTERONE, biosynthesis/ RATS/ *STANOLONE, biosynthesis/ *TESTOSTERONE, biosynthesis

2298. **Leunissen WJ, Thijssen JH:** Quantitative analysis of steroid profiles from urine by capillary gas chromatography. I. Accuracy and reproducibility of the sample preparation. J Chromatogr 146(3):365–80, 1 Nov 78
ADULT/ CHROMATOGRAPHY, GAS, methods/ *CUSHING'S SYNDROME, urine/ HUMAN/ HYDROLYSIS/ MALE/ *STEROIDS, urine/ TRIMETHYLSILYL COMPOUNDS, urine

2299. **Lévesque HP, Sylvestre J, Dussault RG, et al:** La tomographie axiale assistée d'ordinateurs dans l'évaluation des glandes surrénales: bilan de 42 cas. Union Med Can 107(11):1063–9, Nov 78 (Eng. Abstr.) **(Fre)**
*ADRENAL GLAND NEOPLASMS, radiography/ *ADRENAL GLANDS, radiography/ ENGLISH ABSTRACT/ HUMAN/ *TOMOGRAPHY, COMPUTERIZED AXIAL

2300. **Levilliers J, Lecot F, Pairault J:** Modulation by substrate and cations of guanylate cyclase activity in detergent-dispersed plasma membranes from rat adipocytes. Biochem Biophys Res Commun 84(3):727–35, 16 Oct 78
*ADIPOSE TISSUE, enzymology/ ANIMAL/ CALCIUM, pharmacodynamics/ *CELL MEMBRANE, enzymology/ *GUANYL CYCLASE, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ RATS/ TRITONS

2301. **Levine GD, Rosai J:** Thymic hyperplasia and neoplasia: a review of current concepts. Hum Pathol 9(5):495–515, Sep 78
ADOLESCENCE/ ADULT/ AGED/ ANIMAL/ CARCINOMA, pathology/ CHILD/ CHILD,

PRESCHOOL/ DYSGERMINOMA, pathology/ FEMALE/ HODGKIN'S DISEASE, pathology/ HUMAN/ INFANT/ INFANT, NEWBORN/ *LYMPHOMA, pathology/ MALE/ MICE/ MYASTHENIA GRAVIS, etiology/ MYASTHENIA GRAVIS, pathology/ RABBITS/ SARCOMA, RETICULUM CELL, pathology/ *THYMOMA, pathology/ THYMUS HYPERPLASIA, complications/ *THYMUS HYPERPLASIA, pathology/ *THYMUS NEOPLASMS, pathology/ THYMUS NEOPLASMS, ultrastructure

2302. **Levine JH, Sagel J, Rosebrock GL, et al:** Hyperprolactinemia and the multiple endocrine adenomatosis type 1 (MEA-1) syndrome [editorial] Arch Intern Med 138(12):1777-8, Dec 78

*ADENOMATOSIS, FAMILIAL ENDOCRINE, secretion/ HUMAN/ *PITUITARY NEOPLASMS, secretion/ *PROLACTIN, blood

2303. **Levine L, Ohuchi K:** Retinoids as well as tumour promoters enhance deacylation of cellular lipids and prostaglandin production in MDCK cells. Nature 276(5685):274-5, 16 Nov 78

CELL LINE/ *LIPIDS, metabolism/ *PHORBOLS, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ *TETRADECANOYLPHORBOL ACETATE, pharmacodynamics/ TRETINOIN, analogs & derivatives/ *TRETINOIN, pharmacodynamics/ *VITAMIN A, analogs & derivatives/ VITAMIN A, pharmacodynamics

2304. **Levine LS:** Treatment of Turner's syndrome with estrogen. Pediatrics 62(6 Pt 2):1178-83, Dec 78

ADENOCARCINOMA, chemically induced/ ADOLESCENCE/ ADULT/ *ESTRADIOL, therapeutic use/ *ESTROGENS, therapeutic use/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ MENSTRUATION/ *TURNER'S SYNDROME, drug therapy/ UTERINE NEOPLASMS, chemically induced

2305. **Levine RA, Schwartzel EH Jr, Bachman S, et al:** Effects of secretagogues and theophylline on canine gastric mucosal cyclic nucleotides. J Lab Clin Med 92(5):813-21, Nov 78

*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BETHANECHOL COMPOUNDS, pharmacodynamics/ DOGS/ DRUG SYNERGISM/ FEMALE/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *HISTAMINE, pharmacodynamics/ KINETICS/ MALE/ *PENTAGASTRIN, pharmacodynamics/ *THEOPHYLLINE, pharmacodynamics

2306. **Levitt SB, Kogan SJ, Engel RM, et al:** The impalpable testis: a rational approach to management. J Urol 120(5):515-20, Nov 78 (81 ref.)

ABDOMEN/ *CRYPTORCHISM/ CRYPTORCHISM, diagnosis/ CRYPTORCHISM, surgery/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INGUINAL CANAL/ MALE/ METHODS/ REVIEW/ TESTIS, surgery

2307. **Levitzki A:** The mode of coupling of adenylate cyclase to hormone receptors and its modulation by GTP. Biochem Pharmacol 27(17):2083-8, 1978 (41 ref.)

*ADENYL CYCLASE, metabolism/ ANIMAL/ *GUANOSINE TRIPHOSPHATE, physiology/ MODELS, BIOLOGICAL/ *RECEPTORS, HORMONE, drug effects/ REVIEW/ TIME FACTORS

2308. **Levrier M, Ruedas E, Ruffie A:** Oestrogène et surveillance clinique: critères de la réponse hypothalamo hypophysaire à l'administration de citrate de clomifène. Ann Endocrinol (Paris) 39(3):261-2, 1978 (Eng. Abstr.) **(Fre)**

*AMENORRHEA, drug therapy/ *CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects

2309. **Levy B, Dixon GH:** Partial purification of transcriptionally active nucleosomes from trout testis cells. Nucleic Acids Res 5(11):4155-63, Nov 78

ANIMAL/ CELL FRACTIONATION/ *CELL NUCLEUS, metabolism/ CELL NUCLEUS, ultrastructure/ CHROMATIN, metabolism/ CHROMATIN, ultrastructure/ CHROMOSOMAL PROTEINS, NON-HISTONE, isolation & purification/ DNA, isolation & purification/ FEMALE/ HISTONES, isolation & purification/ KINETICS/ NUCLEIC ACID HYBRIDIZATION/ *TESTIS, metabolism/ *TRANSCRIPTION, GENETIC/ TROUT

2310. **Levy CL, Sparkes RS, Carlson HE:** Chromosome banding studies in two patients with XXXXY syndrome. J Med Genet 15(4):301-16, Aug 78

ADULT/ AZURE STAINS/ CASE REPORT/ CHROMOSOME BANDING/ HUMAN/ *HYPOGONADISM, familial & genetic/ KARYOTYPING/ MALE/ *MENTAL RETARDATION, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES/ SYNDROME/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

2311. **Lévy JP, Dolisi B, Lec MH, et al:** Exophtalmie unilaterale par mucocéle ethmoïdomaxillaire. Bull Soc Ophtalmol Fr 77(11-12):947-52, Nov-Dec 77 (Eng. Abstr.) **(Fre)**

ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ ETHMOID SINUS, radiography/ *EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/ MAXILLARY SINUS, radiography/ *MUCOCELE, complications/ MUCOCELE, radiography/ MUCOCELE, surgery/ *PARANASAL SINUS DISEASES, complications/ PARANASAL SINUS DISEASES, radiography/ PARANASAL SINUS DISEASES, surgery/ SPHENOID SINUS, radiography

2312. **Levy M, Gagnadoux MF, Beziau A, et al:** Membranous glomerulonephritis associated with anti-tubular and anti-alveolar basement membrane antibodies. Clin Nephrol 10(4):158-65, Oct 78

*AUTOANTIBODIES, isolation & purification/ *BASEMENT MEMBRANE, immunology/ BIOPSY/ CASE REPORT/ CHILD, PRESCHOOL/ COMPLEMENT 3, isolation & purification/ FANCONI SYNDROME, complications/ FLUORESCENT ANTIBODY TECHNIC/ *GLOMERULONEPHRITIS, immunology/ GLOMERULONEPHRITIS, pathology/ HUMAN/ IGG, isolation & purification/ IGM, isolation & purification/ KIDNEY GLOMERULUS, pathology/ *KIDNEY TUBULES, immunology/ KIDNEY TUBULES, pathology/ MALE/ *PULMONARY ALVEOLI, immunology/ RADIOIMMUNOASSAY

2313. **Levy SB, Lilley JJ, Stone RA:** Baroreflex function in uremic and hypertensive man. Am J Med Sci 276(1):57-66, Jul-Aug 78

ADULT/ AMYL NITRITE, administration & dosage/ AMYL NITRITE, pharmacodynamics/ ANGIOTENSIN II, biosynthesis/ COMPARATIVE STUDY/ HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ PHENYLEPHRINE, pharmacodynamics/ PRESSORECEPTORS, drug effects/ PRESSORECEPTORS, physiopathology/ PRESSURE/ REFLEX, drug effects/ *REFLEX, physiology/ RENIN, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREMIA, physiopathology/ VASCULAR RESISTANCE, drug effects

2314. **Lewicki JA, Fallon JH, Printz MP:** Regional distribution of angiotensinogen in rat brain. Brain Res 158(2):359-71, 15 Dec 78

AMYGDALOID BODY, enzymology/ ANGIOTENSIN I, metabolism/ ANGIOTENSINASE, metabolism/ *ANGIOTENSINOGEN, metabolism/ *ANGIOTENSINS, metabolism/ ANIMAL/ *BRAIN MAPPING/ *BRAIN, enzymology/ CORPUS STRIATUM, enzymology/ FRONTAL LOBE, enzymology/ HIPPOCAMPUS, enzymology/ HYPOTHALAMUS, enzymology/ RATS/ RENIN, administration & dosage/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2315. **Lewis BM, Hayes TM:** Adipose tissue cellularity: effect on insulin and thyroxine. Horm Metab Res 10(5):386-9, Sep 78

*ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL/ DNA, biosynthesis/ *INSULIN, pharmacodynamics/ MALE/ RATS/ *THYROXINE,

pharmacodynamics

2316. **Lewis MB:** A double-blind controlled evaluation of diprosone cream 0.05% in comparison with synalar cream 0.01% in the treatment of psoriasis and other steroid responsive dermatoses. Australas J Dermatol 19(2):72-3, Aug 78
*BETAMETHASONE, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ *FLUOCINOLONE ACETONIDE, therapeutic use/ HUMAN/ OINTMENTS/ *PSORIASIS, drug therapy

2317. **L'Hermite M, Denayer P, Golstein J, et al:** Acute endocrine profile of sulpiride in the human. Clin Endocrinol (Oxf) 9(3):195-204, Sep 78
ADOLESCENCE/ ADULT/ FEMALE/ FSH, blood/ FSH, secretion/ HUMAN/ LEVODOPA, pharmacodynamics/ LH, blood/ LH, secretion/ MALE/ MENSTRUATION, LUTEAL PHASE/ MIDDLE AGE/ PITUITARY HORMONES, ANTERIOR, blood/ *PITUITARY HORMONES, ANTERIOR, secretion/ PROLACTIN, blood/ PROLACTIN, secretion/ SECRETORY RATE, drug effects/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ *SULPIRIDE, pharmacodynamics/ THYROTROPIN, blood/ THYROTROPIN, secretion

2318. **Li CH, Houghten R:** Isolation and properties of two fragments from plasmin digests of human choriomammotropin. Int J Pept Protein Res 12(2):114-20, Aug 78
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ CIRCULAR DICHROISM/ COMPLEMENT FIXATION TESTS/ DISULFIDES/ FEMALE/ *FIBRINOLYSIN/ GEL DIFFUSION TESTS/ HUMAN/ PEPTIDE FRAGMENTS, analysis/ *PLACENTAL LACTOGEN/ PLACENTAL LACTOGEN, isolation & purification/ PREGNANCY/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY, ULTRAVIOLET/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2319. **Li CK, Mitchelson F:** The effect of stercuronium on cardiac muscarinic receptors. Eur J Pharmacol 51(3):251-9, 1 Oct 78
ACETYLCHOLINE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CARBACHOL, pharmacodynamics/ CHOLINESTERASES, metabolism/ DRUG INTERACTIONS/ GUINEA PIGS/ *HEART, drug effects/ HOMATROPINE, pharmacodynamics/ IN VITRO/ METHACHOLINE COMPOUNDS, pharmacodynamics/ MYOCARDIUM, enzymology/ *NEUROMUSCULAR BLOCKING AGENTS, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ POTASSIUM, pharmacodynamics/ *PREGNADIENES, pharmacodynamics/ PYRROLIDINES, pharmacodynamics/ *RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, MUSCARINIC, drug effects

2320. **Li SA, Li JJ, Villee CA:** Significance of the progesterone receptor in the estrogen-induced and -dependent renal tumor of the Syrian golden hamster. Ann NY Acad Sci 286:369-83, 11 Mar 77
ADENOCARCINOMA, chemically induced/ *ADENOCARCINOMA, metabolism/ ANIMAL/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ *DIETHYLSTILBESTROL, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ HAMSTERS/ KIDNEY NEOPLASMS, chemically induced/ *KIDNEY NEOPLASMS, metabolism/ KIDNEY, drug effects/ KIDNEY, metabolism/ MALE/ MESOCRICETUS/ NEOPLASMS, EXPERIMENTAL, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, chemically induced/ *NEOPLASMS, HORMONE-DEPENDENT, metabolism/ PROGESTERONE, pharmacodynamics/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, PROGESTERONE/ RECEPTORS, PROGESTERONE, drug effects/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, metabolism

2321. **Li Vecchi M, Vincenzino C, Vitale F:** Comportamento dell'attività reninica plasmatica in seguito ad esposizione all'ipertermia ambientale. Boll Soc Ital Cardiol 22(3):373-8, 1977 (Eng. Abstr.) **(Ita)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ *HEAT, adverse effects/ HEMATOCRIT/ HUMAN/ MALE/ MIDDLE AGE/ POSTURE/ *RENIN, blood/ SODIUM, metabolism/ STRESS, physiopathology

2322. **Liang CS, Gavras H:** Renin-angiotensin system inhibition in conscious dogs during acute hypoxemia. Effects on systemic hemodynamics, regional blood flows, and tissue metabolism. J Clin Invest 62(5):961-70, Nov 78
ANGIOTENSINS, pharmacodynamics/ *ANGIOTENSINS, physiology/ ANIMAL/ *ANOXEMIA, physiopathology/ DOGS/ HEMODYNAMICS, drug effects/ MALE/ MYOCARDIUM, metabolism/ NOREPINEPHRINE, blood/ OXYGEN CONSUMPTION, drug effects/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *RENIN, physiology/ SARALASIN, pharmacodynamics/ SQ 20881, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2323. **Liashuk PM, Gusak LV:** O gipopituitarnom sindrome. Vrach Delo (11):111-3, Nov 78 **(Rus)**
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, diagnosis/ MALE/ MIDDLE AGE/ SYNDROME

2324. **Lieberman ME, Ahrén K, Tsafriri A, et al:** Relationship between glycolysis and steroidogenesis in cultured Graafian follicles stimulated by LH or prostaglandin E2. J Steroid Biochem 6(10):1445-9, Oct 75
ANDROSTENEDIONE, biosynthesis/ ANIMAL/ CELLS, CULTURED/ ESTRADIOL, biosynthesis/ FEMALE/ *GLYCOLYSIS, drug effects/ GRAAFIAN FOLLICLE, drug effects/ *GRAAFIAN FOLLICLE, metabolism/ KINETICS/ LACTATES, metabolism/ *LH, pharmacodynamics/ PROGESTERONE, biosynthesis/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ *STEROIDS, biosynthesis

2325. **Lieblich JM, Rosen SE, Guyda H, et al:** The syndrome of basal encephalocele and hypothalamic-pituitary dysfunction. Ann Intern Med 89(6):910-6, Dec 78
ADULT/ CASE REPORT/ CHILD/ ENCEPHALOCELE, blood/ *ENCEPHALOCELE, physiopathology/ FEMALE/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ MALE/ PITUITARY FUNCTION TESTS/ PROLACTIN, blood/ SOMATOTROPIN, blood/ THYROID HORMONES, blood/ VASOPRESSINS, blood

2326. **Liedholm P, Sjöberg NO, Srivastava K, et al:** No increase of the fibrinolytic activity of the human endometrium by progesterone-releasing IUD (ProgestasertR). Contraception 17(6):531-6, Jun 78
*ENDOMETRIUM, physiology/ FEMALE/ *FIBRINOLYSIS/ HUMAN/ *INTRAUTERINE DEVICES, COPPER/ *PROGESTERONE, pharmacodynamics

2327. **Lief PD:** Diuretics. Am Heart J 96(6):824-7, Dec 78
CHLORTHALIDONE, pharmacodynamics/ *DIURETICS, pharmacodynamics/ DIURETICS, THIAZIDE, pharmacodynamics/ ETHACRYNIC ACID, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ HUMAN/ KIDNEY TUBULES, DISTAL, drug effects/ *KIDNEY, drug effects/ LOOP OF HENLE, drug effects/ METOLAZONE, pharmacodynamics/ NEPHRONS, drug effects/ SPIRONOLACTONE, pharmacodynamics/ TRIAMTERENE, pharmacodynamics

2328. **Lien J, Kaye M:** Changes in the red cell, plasma and inulin spaces and in the total water contents of rat femurs in cortisone induced osteoporosis. Calcif Tissue Res 25(3):245-8, 18 Aug 78
ANIMAL/ BLOOD, metabolism/ *BODY FLUID COMPARTMENTS/ *BODY FLUIDS/ BODY WATER, metabolism/ *BONE AND BONES, metabolism/ CORTISONE, adverse effects/ FEMALE/ INULIN, metabolism/ OSTEOPOROSIS, chemically induced/ *OSTEOPOROSIS, metabolism/ RATS

2329. **Lien KW:** Hypomagnesaemic hypocalcaemia in renal failure. Br Med J 2(6149):1400, 18 Nov 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOCALCEMIA, etiology/ *KIDNEY FAILURE, ACUTE, complications/ *MAGNESIUM, blood/ MAGNESIUM, therapeutic use/ PARATHYROID

HORMONE, blood/ TIME FACTORS

2330. **Lima JA, Mikaelian DO, Agro AS, et al:** Hypercalcemia associated with parathyroid hyperfunction and malignancy. Trans Pa Acad Ophthalmol Otolaryngol 31(2):200–4, Fall 78
*ADENOMA, complications/ CALCIUM, metabolism/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM/ *LARYNGEAL NEOPLASMS, complications/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, physiology/ *PARATHYROID NEOPLASMS, complications

2331. **Lin MC, Welton AF, Berman MF:** Essential role of GTP in the expression of adenylate cyclase activity after cholera toxin treatment. J Cyclic Nucleotide Res 4(3):159–68, Jun 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ *CHOLERA TOXIN, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ *LIVER, enzymology/ NAD, metabolism/ PEPTIDE FRAGMENTS, pharmacodynamics/ RATS

2332. **Lin MT, Pang IH, Chern YF, et al:** Effects of 5,7-dihydroxytryptamine and p-chlorophenylalanine on temperature regulation in rats. J Pharm Pharmacol 30(11):723–5, Nov 78
*P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ BRAIN CHEMISTRY, drug effects/ *DIHYDROXYTRYPTAMINES, pharmacodynamics/ MALE/ RATS/ SEROTONIN, metabolism/ *5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

2333. **Lindholm J, Kehlet H, Blichert-Toft M, et al:** Discrepancy between ACTH and cortisol responses to insulin induced hypoglycaemia. Clin Endocrinol (Oxf) 9(4):371–4, Oct 78
*CORTICOTROPIN, blood/ HUMAN/ *HYDROCORTISONE, blood/ *HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ INSULIN

2334. **Lindholm TS, Sevastikoglou JA, Lindgren U:** Interim report on treatment of osteoporotic patients with 1 alpha-hydroxyvitamin D3 and calcium. Clin Orthop (135):232–40, Sep 78
ADULT/ AGED/ *CALCIUM, administration & dosage/ CALCIUM, metabolism/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, administration & dosage/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, metabolism/ PARATHYROID HORMONE, metabolism/ PHOSPHATES, metabolism

2335. **Lindholm TS, Sevastikoglou JA, Lindgren U:** Short-term effects of varying doses of 1 alpha-hydroxyvitamin D3 on blood and urine chemistry and calcium absorption of osteoporotic patients. Clin Orthop (135):226–31, Sep 78
AGED/ ALKALINE PHOSPHATASE, blood/ CALCIUM, metabolism/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYDROXYPROLINE, metabolism/ MALE/ MIDDLE AGE/ OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, enzymology/ *OSTEOPOROSIS, metabolism/ PARATHYROID HORMONE, metabolism/ PHOSPHATES, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism

2336. **Lindsay R, Ramsay LE, Hettiarrachchi J, et al:** Serum and urine phosphate during short-term beta-adrenergic blockade in healthy men. Clin Pharmacol Ther 24(6):650–3, Dec 78
*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ADULT/ CALCIUM, blood/ CALCIUM, urine/ CREATININE, blood/ CREATININE, urine/ GLOMERULAR FILTRATION RATE/ HUMAN/ MALE/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ TIME FACTORS/ TIMOLOL, pharmacodynamics

2337. **Lindsey AM, Channing CP:** Effect of a phosphodiesterase inhibitor, 3-isobutyl 1-methylxanthine, upon the stimulatory effect of human follicle-stimulating hormone and human luteinizing hormone upon cyclic adenosine 3':5'-monophosphate accumulation by porcine granulosa cells. Proc Soc Exp Biol Med 159(2):230–6, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, secretion/ ANIMAL/ DRUG SYNERGISM/ FEMALE/ *FSH, pharmacodynamics/ *GRANULOSA CELLS, drug effects/ GRANULOSA CELLS, metabolism/ GRANULOSA CELLS, secretion/ IN VITRO/ *LH, pharmacodynamics/ PHOSPHODIESTERASES, metabolism/ SWINE/ *THEOPHYLLINE, analogs & derivatives/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

2338. **Linehan WM, Farrell RE, Cooper CW, et al:** Analysis of pentagastrin and calcium as thyrocalcitonin secretagogues in the early diagnosis of medullary carcinoma of the thyroid gland. Surg Forum 28:110–2, 1977
*CALCITONIN, blood/ CALCITONIN, secretion/ *CALCIUM, diagnostic use/ CARCINOMA, blood/ *CARCINOMA, diagnosis/ CARCINOMA, secretion/ HUMAN/ *PENTAGASTRIN, diagnostic use/ THYROID NEOPLASMS, blood/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, secretion/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2339. **Lingappa VR, Shields D, Woo SL, et al:** Nascent chicken ovalbumin contains the functional equivalent of a signal sequence. J Cell Biol 79(2 Pt 1):567–72, Nov 78
AMINO ACID SEQUENCE/ CELL-FREE SYSTEM/ CHICKENS/ *MICROSOMES, metabolism/ OVALBUMIN, analysis/ *OVALBUMIN, metabolism/ PEPTIDES, physiology/ PROLACTIN, metabolism/ RECEPTORS, DRUG, metabolism/ TRANSLATION, GENETIC

2340. **Linkola J, Ylikahri R, Fyhquist F, et al:** Plasma vasopressin in ethanol intoxication and hangover. Acta Physiol Scand 104(2):180–7, Oct 78
ADULT/ ALCOHOL, ETHYL, blood/ *ALCOHOLIC INTOXICATION, blood/ *ARGIPRESSIN, blood/ CLINICAL RESEARCH/ ELECTROLYTES, blood/ HUMAN/ MALE/ POSTURE

2341. **Linquette M, Dewailly D:** Hypothyroïdie de l'adulte : aspects cliniques et évolutifs. Rev Prat 28(43):3269–72, 3277–8, 3281–2, 1 Oct 78 (Eng. Abstr.) **(Fre)**
ADRENAL GLAND HYPOFUNCTION, etiology/ ADULT/ ANEMIA, etiology/ CORONARY DISEASE, etiology/ ENGLISH ABSTRACT/ FACE/ FEMALE/ GALACTORRHEA, etiology/ HUMAN/ HYPERTENSION, etiology/ MALE/ MYXEDEMA, complications/ *MYXEDEMA, diagnosis/ NEUROLOGIC MANIFESTATIONS/ PREGNANCY COMPLICATIONS/ PREGNANCY/ RHEUMATISM, etiology/ SYNDROME/ WATER INTOXICATION, etiology

2342. **Linse R, Hadlich J:** Autoimmune Progesterondermatose. Dermatol Monatsschr 164(9):656–61, Sep 78 (Eng. Abstr.) **(Ger)**
ADULT/ *AUTOIMMUNE DISEASES, chemically induced/ *DERMATITIS MEDICAMENTOSA, etiology/ DRUG HYPERSENSITIVITY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MENSTRUATION/ *PROGESTERONE, adverse effects

2343. **Lintern-Moore S, Everitt AV:** The effect of restricted food intake on the size and composition of the ovarian follicle population in the Wistar rat. Biol Reprod 19(3):688–91, Oct 78
ANIMAL/ FEMALE/ GRAAFIAN FOLLICLE, cytology/ *GRAAFIAN FOLLICLE, growth & development/ OOCYTES, cytology/ OOCYTES, growth & development/ OVARY, cytology/ RATS/ *STARVATION/ STARVATION, pathology

2344. **Lippman M, Huff K, Bolan G:** Progesterone and glucocorticoid interactions with receptor in breast cancer cells in long-term tissue culture. Ann NY Acad Sci 286:101–15, 11 Mar 77
BINDING, COMPETITIVE/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, metabolism/ CELL DIVISION, drug effects/ CELL LINE/ DEXAMETHASONE,

metabolism/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ HYDROCORTISONE, metabolism/ LEUCINE, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ *NEOPLASMS, HORMONE-DEPENDENT, metabolism/ PROGESTERONE, metabolism/ R 5020, metabolism/ *RECEPTORS, GLUCOCORTICOID/ RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, PROGESTERONE/ RECEPTORS, PROGESTERONE, metabolism/ *RECEPTORS, STEROID/ RECEPTORS, STEROID, metabolism/ THYMIDINE, metabolism

2345. **Lipshultz LI, Norris JS:** A successful human Sertoli cell culture technique. Surg Forum 28:579–80, 1977
CELLS, CULTURED/ HUMAN/ MALE/ *SERTOLI CELLS, cytology/ SERTOLI CELLS, physiology/ SEX HORMONE BINDING GLOBULIN, analysis/ TIME FACTORS

2346. **Lipton S:** Percutaneous cervical cordotomy and the injection of the pituitary with alcohol. Anaesthesia 33(10):953–7, Nov–Dec 78
*ALCOHOL, ETHYL, administration & dosage/ ALCOHOL, ETHYL, therapeutic use/ CHORDOTOMY, adverse effects/ *CHORDOTOMY, methods/ HUMAN/ NEOPLASMS, therapy/ PAIN, INTRACTABLE, therapy/ *PITUITARY GLAND, drug effects/ *TERMINAL CARE/ TIME FACTORS

2347. **Lisbona R, Rosenthall L:** Role of radionuclide imaging in osteoid osteoma. AJR 132(1):77–80, Jan 79
ADOLESCENCE/ ADULT/ BONE AND BONES, radiography/ *BONE AND BONES, radionuclide imaging/ BONE NEOPLASMS, radiography/ *BONE NEOPLASMS, radionuclide imaging/ CASE REPORT/ CHILD/ FEMALE/ GALLIUM RADIOISOTOPES/ HUMAN/ MALE/ OSTEOMA, OSTEOID, radiography/ *OSTEOMA, OSTEOID, radionuclide imaging/ TECHNETIUM, diagnostic use

2348. **Lissner GS, O'Grady R, Choromokos E:** Endogenous intraocular Nocardia asteroides in Hodgkin's disease. Am J Ophthalmol 86(3):388–94, Sep 78
ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ *EYE DISEASES, complications/ EYE DISEASES, diagnosis/ EYE DISEASES, pathology/ EYE, pathology/ *HODGKIN'S DISEASE, complications/ HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, pathology/ HUMAN/ MALE/ MIDDLE AGE/ NOCARDIA ASTEROIDES/ *NOCARDIA INFECTIONS, complications/ NOCARDIA INFECTIONS, diagnosis/ NOCARDIA INFECTIONS, pathology

2349. **Little RA, Savic J, Stoner HB:** H2-receptors and traumatic oedema. J Pathol 125(4):201–4, Aug 78
ANIMAL/ BODY TEMPERATURE, drug effects/ BURNS, complications/ CIMETIDINE, pharmacodynamics/ *CIMETIDINE, therapeutic use/ DEPRESSION, CHEMICAL/ EDEMA, etiology/ *EDEMA, prevention & control/ EDEMA, physiopathology/ *GUANIDINES, therapeutic use/ MALE/ *METIAMIDE, therapeutic use/ RATS/ RECEPTORS, HISTAMINE H2, drug effects/ *THIOUREA, analogs & derivatives

2350. **Livshits IB:** Sostoianie sistemy gipotalamus--gipofiz--kora nadpochechnikov u krolikov v protsesse nagruzki kholesterinom. Probl Endokrinol (Mosk) 24(6):50–4, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *ARTERIOSCLEROSIS, physiopathology/ ATHEROSCLEROSIS, blood/ *ATHEROSCLEROSIS, physiopathology/ BLOOD SUGAR, analysis/ CHINCHILLAS/ CORTICOTROPIN, blood/ ENGLISH ABSTRACT/ HYDROCORTISONE, blood/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ INSULIN, diagnostic use/ MALE/ METYRAPONE, diagnostic use/ *PITUITARY-ADRENAL SYSTEM, physiopathology/ RABBITS

2351. **Ljunggren B:** Inhibition of ultraviolet and phototoxic dermatitis in the mouse. Acta Derm Venereol (Stockh) 58(4):307–12, 1978
ANIMAL/ ASPIRIN, therapeutic use/ BETAMETHASONE, therapeutic use/ CHLORPROMAZINE/ DERMATITIS, etiology/ *DERMATITIS, prevention & control/ FEMALE/ INDOMETHACIN, therapeutic use/ MICE/ PHOTOSENSITIZATION, chemically induced/ *PHOTOSENSITIZATION, prevention & control/ SPECTROPHOTOMETRY/ *ULTRAVIOLET RAYS

2352. **Lloyd KG:** Neurotransmitter interactions related to central dopamine neurons. Essays Neurochem Neuropharmacol 3:129–207, 1978 (337 ref.)
ACETYLCHOLINE, metabolism/ ACETYLCHOLINE, physiology/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ BEHAVIOR, ANIMAL, physiology/ BRAIN, metabolism/ *BRAIN, physiology/ CENTRAL NERVOUS SYSTEM, physiology/ DOPAMINE, metabolism/ *DOPAMINE, physiology/ DYSKINESIA, DRUG-INDUCED, etiology/ GABA, physiology/ HUMAN/ HUNTINGTON CHOREA, metabolism/ LEVODOPA, adverse effects/ MENTAL DISORDERS, metabolism/ NEURAL PATHWAYS, physiology/ NEUROHUMORS, metabolism/ *NEUROHUMORS, physiology/ NEURONS, metabolism/ *NEURONS, physiology/ NOREPINEPHRINE, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PARKINSON DISEASE, metabolism/ REVIEW/ SEROTONIN, physiology/ TRANQUILIZING AGENTS, MAJOR, adverse effects

2353. **Lloyd RD, McFarland SS, Atherton DR, et al:** Plutonium retention, excretion, and distribution in juvenile beagles soon after injection. Radiat Res 75(3):633–41, Sep 78
AGE FACTORS/ ANIMAL/ BODY BURDEN/ BONE AND BONES, metabolism/ *DOGS, metabolism/ FECES, analysis/ LIVER, metabolism/ *PLUTONIUM, metabolism/ PLUTONIUM, urine/ TIME FACTORS/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED/ WHOLE BODY COUNTING

2354. **Lo SC, Aft R, Ross J, et al:** Control of globin gene expression by steroid hormones in differentiating Friend leukemia cells. Cell 15(2):447–53, Oct 78
CELL DIFFERENTIATION, drug effects/ CORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ *ERYTHROLEUKEMIA, familial & genetic/ *FRIEND VIRUS/ *GLOBIN, genetics/ HYDROCORTISONE, pharmacodynamics/ RNA, MESSENGER, metabolism/ SEX HORMONES, pharmacodynamics/ *STEROIDS, pharmacodynamics/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2355. **Lo Gerfo P, Birnbaum S, Li Volsi V, et al:** Thyroglobulin and thyroid cancer. Surg Forum 28:133–5, 1977
HUMAN/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL, diagnosis/ THYROGLOBULIN, analysis/ *THYROGLOBULIN, blood/ THYROID NEOPLASMS, blood/ *THYROID NEOPLASMS, diagnosis/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2356. **Loew GH, Berkowitz DS, Burt SK:** Structure-activity studies of narcotic agonists and antagonists from quantum chemical calculations. Natl Inst Drug Abuse Res Monogr Ser (22):278–316, 1978 (82 ref.)
ANIMAL/ CHEMISTRY, PHYSICAL/ ENKEPHALINS, pharmacodynamics/ IN VITRO/ METHADONE, pharmacodynamics/ MOLECULAR CONFORMATION/ MOLECULAR MODELS/ NALORPHINE, pharmacodynamics/ *NARCOTIC ANTAGONISTS, pharmacodynamics/ *NARCOTICS, pharmacodynamics/ OXYMORPHONE, analogs & derivatives/ OXYMORPHONE, pharmacodynamics/ PIPERIDINES, pharmacodynamics/ QUANTUM THEORY/ RECEPTORS, NARCOTIC, metabolism/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP/ THERMODYNAMICS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2357. **Logue GL, Kurlander RJ:** Immunologic mechanisms of hemolysis in autoimmune hemolytic anemia. Pathobiol Annu 8:61–83, 1978 (84 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ *ANEMIA, HEMOLYTIC, AUTOIMMUNE, immunology/ ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/

*AUTOANTIBODIES, immunology/ COMPLEMENT ACTIVATION/ CRYOGLOBULINS, immunology/ ERYTHROCYTES, immunology/ HEMOLYSIS/ HUMAN/ IGG, immunology/ IGM, immunology/ LEUKOCYTES, immunology/ PHAGOCYTOSIS/ PYROGLOBULINS, immunology/ REVIEW/ SPLENECTOMY/ UNITED STATES GOV'T SUPPORTED

2358. **Lohrisch I, Haustein UF, Kipping D:** Subsepsis allergica Wissler. Dermatol Monatsschr 164(9):668–70, Sep 78 (Eng. Abstr.) **(Ger)**
ADULT/ AZATHIOPRINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PREDNISOLONE, therapeutic use/ *WISSLER'S SYNDROME, diagnosis/ WISSLER'S SYNDROME, drug therapy

2359. **Loizzi RF:** Cylic AMP inhibition of mammary gland lactose synthesis: specificity and potentiation by 1–methyl–3–isobutylxanthine. Horm Metab Res 10(5):415–9, Sep 78
ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, analogs & derivatives/ *ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CHOLERA TOXIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE–RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GUINEA PIGS/ IN VITRO/ *LACTOSE, biosynthesis/ *MAMMAE, drug effects/ MAMMAE, metabolism/ STRUCTURE–ACTIVITY RELATIONSHIP/ *THEOPHYLLINE, analogs & derivatives/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *1–METHYL–3–ISOBUTYLXANTHINE, pharmacodynamics

2360. **Lombardi L, Forte N, Paradisi F:** Effect of pretreatment with prednisolone on the phagocytic activity of mouse peritoneal macrophages in vitro. Experientia 34(11):1503–4, 15 Nov 78
ANIMAL/ CELLS, CULTURED/ *MACROPHAGES, drug effects/ MALE/ *METHYLPREDNISOLONE, pharmacodynamics/ MICE/ *PHAGOCYTOSIS, drug effects/ ZYMOSAN

2361. **Lombardi P, Goldin B, Boutin E, et al:** Metabolism of androgens and estrogens by human fecal microorganisms. J Steroid Biochem 9(8):795–801, Aug 78
AEROBIOSIS/ ANAEROBIOSIS/ *ANDROGENS, metabolism/ BACTERIA, metabolism/ CHROMATOGRAPHY, GAS/ *ESTROGENS, metabolism/ *FECES, microbiology/ HUMAN/ STRUCTURE–ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2362. **Londos C, Cooper DM, Schlegel W, et al:** Adenosine analogs inhibit adipocyte adenylate cyclase by a GTP–dependent process: basis for actions of adenosine and methylxanthines on cyclic AMP production and lipolysis. Proc Natl Acad Sci USA 75(11):5362–6, Nov 78
ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, metabolism/ *ADENOSINE, analogs & derivatives/ ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, antagonists & inhibitors/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, enzymology/ ANIMAL/ CELL MEMBRANE, enzymology/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ KINETICS/ *LIPID MOBILIZATION, drug effects/ *XANTHINES, pharmacodynamics

2363. **Long RG, Wills MR:** Hepatic osteodystrophy. Br J Hosp Med 20(3):312–21, Sep 78
BONE AND BONES, pathology/ CALCIUM, metabolism/ HEPATITIS, ALCOHOLIC, metabolism/ HEPATITIS, ALCOHOLIC, pathology/ HUMAN/ *JAUNDICE, OBSTRUCTIVE, complications/ JAUNDICE, OBSTRUCTIVE, metabolism/ JAUNDICE, OBSTRUCTIVE, pathology/ *OSTEOMALACIA, metabolism/ OSTEOMALACIA, pathology/ *OSTEOPOROSIS, metabolism/ OSTEOPOROSIS, pathology/ PARATHYROID HORMONE, blood/ PHOSPHORUS, metabolism/ SPRUE, complications/ SPRUE, metabolism/ VITAMIN D DEFICIENCY, metabolism/ VITAMIN D, metabolism/ VITAMIN D, therapeutic use

2364. **Loo JC, McGilveray IJ, Jordan N, et al:** Dose–dependent pharmacokinetics of prednisone and prednisolone in man. J Pharm Pharmacol 30(11):736, Nov 78
DOSE–RESPONSE RELATIONSHIP, DRUG/ HUMAN/ KINETICS/ MALE/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, blood/ PREDNISONE, administration & dosage/ *PREDNISONE, blood/ TIME FACTORS

2365. **Lopatin RN, Gardner JD:** Effects of calcium and chelating agents on the ability of various agonists to increase cyclic GMP in pancreatic acinar cells. Biochim Biophys Acta 543(4):465–75, 1 Nov 78
ANIMAL/ *CALCIUM, pharmacodynamics/ CHOLECYSTOKININ, pharmacodynamics/ EDTA, pharmacodynamics/ EGTA, pharmacodynamics/ *GUANOSINE CYCLIC–3',5'–MONOPHOSPHATE, metabolism/ GUINEA PIGS/ HORMONES, SYNTHETIC, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ *PANCREAS, metabolism

2366. **Loré F:** Dosaggio gascromatografico dei 17–chetosteroidi urinari nell'adulto sano di diverse età. Minerva Med 69(43):2927–42, 19 Sep 78 (Eng. Abstr.) **(Ita)**
ADULT/ AGE FACTORS/ AGED/ *CHROMATOGRAPHY, GAS, methods/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREGNANES, urine/ 17–KETOSTEROIDS, analysis/ *17–KETOSTEROIDS, urine

2367. **Lorenc RS, Poniatowski L, Gray TK:** The intestinal phosphate transport under condition of experimental hypercalcemia. Adv Exp Med Biol 103:161–9, 1978
ANIMAL/ CALCIUM, blood/ CHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, metabolism/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYPERCALCEMIA, metabolism/ IN VITRO/ *INTESTINAL ABSORPTION/ JEJUNUM, metabolism/ PARATHYROID GLANDS, physiology/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ RATS/ THYROIDECTOMY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2368. **Lorens SA, Sainati SM:** Naloxone blocks the excitatory effect of ethanol and chlordiazepoxide on lateral hypothalamic self–stimulation behavior. Life Sci 23(13):1359–64, 2 Oct 78
*ALCOHOL, ETHYL, antagonists & inhibitors/ ALCOHOL, ETHYL, blood/ ANIMAL/ *CHLORDIAZEPOXIDE, antagonists & inhibitors/ *HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ *NALOXONE, pharmacodynamics/ RATS/ *SELF STIMULATION, drug effects

2369. **Lorenzen JR, Channing CP, Schwartz NB:** Partial characterization of FSH suppressing activity (folliculostatin) in porcine follicular fluid using the metestrous rat as an in vivo bioassay model. Biol Reprod 19(3):635–40, Oct 78
ANIMAL/ BIOLOGICAL ASSAY/ CASTRATION/ FEMALE/ FSH, blood/ *GRAAFIAN FOLLICLE/ GRAAFIAN FOLLICLE, analysis/ *LH–FSH RELEASING HORMONE, antagonists & inhibitors/ METESTRUS/ MOLECULAR WEIGHT/ PROTEINS, analysis/ RATS/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2370. **Lorenzo ND, Nolletti A, Palma L:** Late cerebral radionecrosis. Surg Neurol 10(5):281–90, Nov 78
ADOLESCENCE/ ADULT/ AGED/ *BRAIN, pathology/ BRAIN, radiation effects/ BRAIN, surgery/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEAD/ HUMAN/ MALE/ MIDDLE AGE/ NASOPHARYNGEAL NEOPLASMS, radiotherapy/ NECROSIS/ PITUITARY DISEASES, radiotherapy/ PROGNOSIS/ RADIATION DOSAGE/ *RADIATION INJURIES/ SARCOMA, RETICULUM CELL, radiotherapy/ SKIN NEOPLASMS, radiotherapy

2371. **Lovejoy FH Jr:** Aspirin and acetaminophen: a comparative view of their antipyretic and analgesic activity. Pediatrics 62(5 Pt 2 Suppl):904–9, Nov 78 (12 ref.)
ACETAMINOPHEN, adverse effects/ ACETAMINOPHEN, pharmacodynamics/ *ACETAMINOPHEN, therapeutic use/ ASPIRIN, adverse effects/ ASPIRIN, pharmacodynamics/ *ASPIRIN, therapeutic use/ BODY TEMPERATURE, drug effects/ COMPARATIVE STUDY/ *FEVER, drug therapy/ FEVER, etiology/ HUMAN/

HYPOTHALAMUS, drug effects/ *PAIN, drug therapy/ REVIEW

2372. **Loveridge N, Robertson WR:** Stimulation of adrenal 5-ene,3beta-hydroxysteroid dehydrogenase by corticotrophin in vitro. J Endocrinol 78(3):457-8, Sep 78
*ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, metabolism/ ANIMAL/ ASCORBIC ACID, metabolism/ *CORTICOTROPIN, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ *3-HYDROXYSTEROID DEHYDROGENASES, metabolism

2373. **Lövgren T, Lundberg B, Blomqvist C, et al:** Solubilization of spironolactone and flumedroxone acetate.
Acta Pharm Suec 15(3):233-6, 1978
*HYDROXYPROGESTERONES/ SOLUBILITY/ *SPIRONOLACTONE/ TECHNOLOGY, PHARMACEUTICAL

2374. **Lövgren T, Pettersson K, Kouvonen I, et al:** Binding characteristics of estrone, estradiol and estriol to the human myometrial estrogen receptor. J Steroid Biochem 9(8):803-9, Aug 78
CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ *ESTRIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ HUMAN/ KINETICS/ *MYOMETRIUM, metabolism/ *RECEPTORS, ESTROGEN, metabolism/ *UTERUS, metabolism

2375. **Löw O, Richter S, Franke I, et al:** Morphometric investigations on endocrine glands. IV. The rat thyroid during liver regeneration after partial hepatectomy with and without application of carcinogenic substances. Exp Pathol (Jena) 16(1-6):234-44, 1978
ACETYLAMINOFLUORENE/ ANIMAL/ HEPATECTOMY/ LAPAROTOMY/ *LIVER REGENERATION/ METHYLNITROSOUREA/ RATS/ STRESS, pathology/ *THYROID GLAND, cytology/ THYROID GLAND, pathology/ THYROID GLAND, physiology

2376. **Lowe JE, Kleinman LH, Reimer KA, et al:** Effects of cardioplegia produced by calcium flux inhibition.
Surg Forum 28:279-80, 1977
ANIMAL/ *CALCIUM, metabolism/ CARDIOPULMONARY BYPASS/ DOGS/ *HEART ARREST, INDUCED/ HEART ARREST, INDUCED, methods/ HEART, drug effects/ *IPROVERATRIL, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2377. **Lowell FC:** Chronic bronchitis and asthma--poor terms for two common diseases [editorial] J Allergy Clin Immunol 62(6):325-6, Dec 78
*ASTHMA/ ASTHMA, blood/ ASTHMA, drug therapy/ *BRONCHITIS/ BRONCHITIS, blood/ BRONCHITIS, drug therapy/ CHRONIC DISEASE/ COMPARATIVE STUDY/ EOSINOPHILS/ HUMAN/ LEUKOCYTE COUNT/ NOMENCLATURE/ STEROIDS, therapeutic use

2378. **Lowry SF, Goodgame JT Jr, Maher MM, et al:** Parenteral vitamin requirements during intravenous feeding.
Am J Clin Nutr 31(12):2149-58, Dec 78
ADOLESCENCE/ ADULT/ AGED/ ASCORBIC ACID DEFICIENCY, therapy/ CHILD/ FEMALE/ FOLIC ACID DEFICIENCY, therapy/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, therapy/ NUTRITIONAL REQUIREMENTS/ *PARENTERAL FEEDING/ *PARENTERAL HYPERALIMENTATION/ VITAMIN A DEFICIENCY, therapy/ VITAMIN B 12, blood/ VITAMIN D, blood/ VITAMINS, blood

2379. **Lozada F, Silverman S Jr:** Erythema multiforme. Clinical characteristics and natural history in fifty patients.
Oral Surg 46(5):628-36, Nov 78
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHILD/ ERYTHEMA MULTIFORME, drug therapy/ ERYTHEMA MULTIFORME, etiology/ *ERYTHEMA MULTIFORME, pathology/ FEMALE/ FOLLOW-UP STUDIES/ HERPES SIMPLEX, complications/ HUMAN/ LIP DISEASES, pathology/ MALE/ MIDDLE AGE/ MOUTH DISEASES, drug therapy/ MOUTH DISEASES, pathology/ *MOUTH MUCOSA/ MOUTH MUCOSA, pathology/ PROSPECTIVE STUDIES

2380. **Luben RA:** Purification of a lymphokine: osteoclast activating factor from human tonsil lymphocytes.
Biochem Biophys Res Commun 84(1):15-22, 14 Sep 78
ANIMAL/ BIOLOGICAL ASSAY/ BONE AND BONES, drug effects/ BONE RESORPTION, drug effects/ HUMAN/ LEUKOCYTE COUNT/ *LYMPHOCYTES, physiology/ *LYMPHOKINES, isolation & purification/ LYMPHOKINES, physiology/ MICE/ TONSIL, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2381. **Lucas A, Bloom SR, Aynsley-Green A:** Metabolic and endocrine events at the time of the first feed of human milk in preterm and term infants. Arch Dis Child 53(9):731-6, Sep 78
BLOOD SUGAR/ COMPARATIVE STUDY/ ENTEROGLUCAGON, blood/ GLUCAGON, blood/ *HORMONES, blood/ HUMAN/ INFANT, NEWBORN/ *INFANT, PREMATURE/ INSULIN, blood/ LACTATES, blood/ *MILK, HUMAN, metabolism/ PYRUVATES, blood/ SOMATOTROPIN, blood

2382. **Lucchesi JC:** Gene dosage compensation and the evolution of sex chromosomes. Science 202(4369):711-6, 17 Nov 78
ALLELES/ ANIMAL/ *DROSOPHILA, genetics/ *EVOLUTION/ FEMALE/ GENES, REGULATOR/ HAPLOIDY/ LINKAGE (GENETICS)/ MALE/ MAMMALS, physiology/ *SEX CHROMOSOMES, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2383. **Lüderitz B, Wittmer K, Jüngst D:** Wertigkeit der Pulswellenerscheinungszeit bei Störungen der Schilddrüsenfunktion. Med Klin 73(47):1657-63, 24 Nov 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ ELECTROCARDIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ *PULSE/ *THYROID DISEASES, physiopathology/ THYROID GLAND, physiology/ THYROID GLAND, physiopathology

2384. **Ludwig H, Schernthaner G:** Multiorganspezifische Autoimmunität bei idiopathischer Nebennierenrindeninsuffizienz. Wien Klin Wochenschr 90(20):736-41, 27 Oct 78 (Eng. Abstr.) **(Ger)**
*ADRENAL GLAND HYPOFUNCTION, immunology/ ADULT/ AGED/ ANTIBODY SPECIFICITY/ *AUTOANTIBODIES/ *ENDOCRINE GLANDS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LEYDIG CELLS/ MALE/ MIDDLE AGE/ OVARY/ PITUITARY GLAND, ANTERIOR/ PLACENTA

2385. **Ludwig H, Spiteller G, Matthaei D, et al:** Profile bei chronischen Erkrankungen. I. Steroidprofiluntersuchungen bei Uramie. J Chromatogr 146(3):381-91, 1 Nov 78 (Eng. Abstr.) **(Ger)**
*ANDROSTENEDIOLS, blood/ *ANDROSTERONE, analogs & derivatives/ ANDROSTERONE, blood/ CHRONIC DISEASE/ *DEHYDROEPIANDROSTERONE, blood/ ENGLISH ABSTRACT/ *ETIOCHOLANOLONE, analogs & derivatives/ ETIOCHOLANOLONE, blood/ HUMAN/ *UREMIA, blood

2386. **Luft R, Efendic S:** On the pathogenesis of maturity-onset diabetes mellitus. Acta Diabetol Lat 15(1-2):1-15, Jan-Apr 78
ACROMEGALY, complications/ ADULT/ AGE FACTORS/ BLOOD SUGAR, metabolism/ DIABETES MELLITUS, drug therapy/ *DIABETES MELLITUS, etiology/ DIABETES MELLITUS, familial & genetic/ DIABETES MELLITUS, metabolism/ FEMALE/ FOLLOW-UP STUDIES/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, therapeutic use/ LIVER, metabolism/ OBESITY IN DIABETES, complications/ PANCREAS, metabolism/ PREDIABETIC STATE, metabolism/ PREGNANCY

2387. **Lukács J, Szemantsik T:** Halálos hasúri elvérzést okozó adenoma hepatis tartós orális fogamzásgátló szedése után. Morphol Igazsagugyi Orv Sz 18(3):228-11, Jul 78 (Eng. Abstr.) **(Hun)**
*ADENOMA, chemically induced/ ADENOMA, complications/ ADENOMA, pathology/ ADULT/ CASE REPORT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH

ABSTRACT/ FEMALE/ HUMAN/ LIVER GLYCOGEN, analysis/ *LIVER NEOPLASMS, chemically induced/ LIVER NEOPLASMS, complications/ LIVER NEOPLASMS, pathology/ LIVER, pathology/ SHOCK, HEMORRHAGIC, etiology/ SHOCK, HEMORRHAGIC, mortality

2388. **Lukina NA:** Opredelenie perioda chuvstvitel'nosti polovykh kletok kurinogo émbriona k deĭstviiu éstradiol-benzoata. Tsitologiia 20(8):903–9, Aug 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CHICK EMBRYO/ ENGLISH ABSTRACT/ *ESTRADIOL, pharmacodynamics/ MALE/ TESTIS, cytology/ *TESTIS, drug effects/ TIME FACTORS

2389. **Lumb G, Newberne P, Rust JH, et al:** Effects in animals of chronic administration of spironolactone--a review. J Environ Pathol Toxicol 1(5):641–60, May–Jun 78 (33 ref.)
ANIMAL/ BODY WEIGHT, drug effects/ DIET/ DOGS/ LETHAL DOSE 50/ MICE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ ORGAN WEIGHT, drug effects/ RATS/ REVIEW/ SODIUM, blood/ SPECIES SPECIFICITY/ *SPIRONOLACTONE, toxicity/ TIME FACTORS

2390. **Lun S, Espiner EA, Hart DS:** Adrenocortical metabolism of angiotensin in sheep with adrenal transplants. Am J Physiol 235(5):E525–31, Nov 78
*ADRENAL CORTEX, metabolism/ ALDOSTERONE, secretion/ ANGIOTENSIN II, blood/ *ANGIOTENSIN II, metabolism/ ANIMAL/ FEMALE/ HYDROCORTISONE, secretion/ PEPTIDE FRAGMENTS, metabolism/ SHEEP

2391. **Lunde O:** Ante-partum-registrering med kardiotokograf. Tidsskr Nor Laegeforen 98(30):1514–6, 30 Oct 78 (Eng. Abstr.) **(Nor)**
APGAR SCORE/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ *FETAL HEART, physiology/ *FETAL MONITORING, methods/ HUMAN/ INFANT, NEWBORN/ LABOR/ PLACENTAL LACTOGEN, blood/ PREGNANCY

2392. **Lunell NO, Wager J, Fredholm BB, et al:** Metabolic effects of oral salbutamol in late pregnancy. Eur J Clin Pharmacol 14(2):95–9, 16 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ALBUTEROL, pharmacodynamics/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ C-PEPTIDE, blood/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLYCERIN, blood/ HEART RATE, drug effects/ HUMAN/ HYDROXYBUTYRATES, blood/ LACTATES, blood/ *METABOLISM, drug effects/ *PREGNANCY, drug effects/ TIME FACTORS

2393. **Lustenberger N, Hehrmann R, Jüppner H, et al:** Kinetics of PTH metabolism and PTH fragments in chronic renal failure. Contrib Nephrol 13:115–24, 1978
ALKALINE PHOSPHATASE, blood/ CALCIUM, blood/ HALF-LIFE/ HUMAN/ INULIN, blood/ *KIDNEY FAILURE, CHRONIC, blood/ KINETICS/ MOLECULAR WEIGHT/ NEPHRECTOMY/ *PARATHYROID HORMONE, blood/ PEPTIDE FRAGMENTS, blood/ STRUCTURE-ACTIVITY RELATIONSHIP

2394. **Lustenberger N, Hehrmann R, Jüppner H, et al:** Parathyroid hormone metabolism in normal and uremic man. Adv Exp Med Biol 103:529–36, 1978
ADULT/ FEMALE/ HALF-LIFE/ HUMAN/ INULIN, diagnostic use/ KINETICS/ MALE/ MIDDLE AGE/ *PARATHYROID HORMONE, metabolism/ PEPTIDE FRAGMENTS, metabolism/ *UREMIA, metabolism

2395. **Lustyik G, Szabó J, Gláz E, et al:** Kvantitatív morfológiai vizsgálatok patkány mellékvese zona glomerulosáján. II. Kálium és heparin hatása a zona glomerulosára. Morphol Igazsagugyi Orv Sz 18(3):211–9, Jul 78 (Eng. Abstr.) **(Hun)**
*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, ultrastructure/ ANIMAL/ CELL NUCLEUS, ultrastructure/ ENGLISH ABSTRACT/ *HEPARIN, pharmacodynamics/ MITOCHONDRIA, ultrastructure/ ORGAN WEIGHT/ PHOTOGRAMMETRY/ *POTASSIUM, pharmacodynamics/ RATS

2396. **Lustyik G, Szabó J:** Kvantitatív morfológiai vizsgálatok patkány mellékvese zona glomerulosáján. I. A sztereiolágia alapelvei. Morphol Igazsagugyi Orv Sz 18(3):204–10, Jul 78 (Eng. Abstr.) **(Hun)**
*ADRENAL GLANDS, ultrastructure/ ANIMAL/ DENSITOMETRY/ ENGLISH ABSTRACT/ PHOTOGRAMMETRY/ RATS

2397. **Lutfi AM, Kosel K:** Effects of intra-articularly administered corticosteroids and salicylates on the surface structure of articular cartilage. J Anat 127(2):393–402, Oct 78
ANIMAL/ *BETAMETHASONE, pharmacodynamics/ *CARTILAGE, ARTICULAR, drug effects/ CARTILAGE, ARTICULAR, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING/ RABBITS/ *SODIUM SALICYLATE, pharmacodynamics

2398. **Luukkainen T, Nilsson CG:** Sustained intrauterine release of d-norgestrel. Contraception 18(4):451–4, Oct 78
ADULT/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, MEDICATED/ NORGESTREL, blood/ *NORGESTREL, pharmacodynamics/ TIME FACTORS

2399. **Ly B, Solum NO, Vennerød AM, et al:** A syndrome of factor VII deficiency and abnormal platelet release reaction. Scand J Haematol 21(3):206–14, Sep 78
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADOLESCENCE/ ANTIGENS, analysis/ BLOOD CELL COUNT/ BLOOD COAGULATION FACTORS, analysis/ BLOOD COAGULATION TESTS/ *BLOOD PLATELET DISORDERS/ BLOOD TRANSFUSION/ CASE REPORT/ COLLAGEN, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ FEMALE/ HUMAN/ *HYPOPROCONVERTINEMIA/ HYPOPROCONVERTINEMIA, blood/ JOINT DISEASES, blood/ JOINT DISEASES, etiology/ PLATELET AGGREGATION/ SEROTONIN, blood/ SYNDROME

2400. **Lymangrover JR, Martin R:** Effects of ionophore A23187 on in vitro rat adrenal corticosterone production. Life Sci 23(11):1193–9, 18 Sep 78
*A-23187, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM, physiology/ *CORTICOSTERONE, biosynthesis/ CORTICOTROPIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ IN VITRO/ MALE/ RATS

2401. **Lynch HJ, Jimerson DC, Ozaki Y, et al:** Entrainment of rhythmic melatonin secretion in man to a 12-hour phase shift in the light/dark cycle. Life Sci 23(15):1557–63, 16 Oct 78
ADULT/ CIRCADIAN RHYTHM/ HUMAN/ LIGHT/ MALE/ *MELATONIN, secretion/ MELATONIN, urine/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

M

2402. **Ma GY, Gove CD, Hems DA:** Effects of glucagon and insulin on fatty acid synthesis and glycogen degradation in the perfused liver of normal and genetically obese (ob/ob) mice. Biochem J 174(3):761–8, 15 Sep 78
ACETYL COA CARBOXYLASE, metabolism/ ANIMAL/ *FATTY ACIDS, biosynthesis/ FEMALE/ *GLUCAGON, pharmacodynamics/ GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ *LIVER GLYCOGEN, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ MICE/ MICE, OBESE/ VASOPRESSINS, pharmacodynamics

2403. **Ma NS, Rossan RN, Kelley ST, et al:** Banding patterns of the chromosomes of two new karyotypes of the owl monkey, Aotus, captured in Panama. J Med Primatol 7(3):146–55, 1978
ANIMAL/ *CHROMOSOME BANDING/ COMPARATIVE STUDY/ FEMALE/ KARYOTYPING/ MALE/ MONKEY DISEASES, familial & genetic/ *MONKEYS, genetics/ *NIGHT MONKEYS, genetics/ PANAMA/ POLYMORPHISM (GENETICS)/ SEX CHROMOSOME ABNORMALITIES, veterinary/ TRANSLOCATION (GENETICS)/ X CHROMOSOME

2404. **McBride JH, Tryong K:** Further comments on estimating choriogonadotropin in serum [letter] Clin Chem 24(12):2207, Dec 78
COMPARATIVE STUDY/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

2405. **McClintock MK:** Estrous synchrony and its mediation by airborne chemical communication (Rattus norvegicus). Horm Behav 10(3):264–75, Jun 78
AIR/ ANIMAL/ ANIMALS, LABORATORY, physiology/ ENVIRONMENT, CONTROLLED/ *ESTRUS/ FEMALE/ *RATS, physiology/ SOCIAL ISOLATION/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2406. **McCready J, Braunstein GD, Helm D, et al:** Modification of the choriogonadotropin beta-subunit radioimmunoassay for determination of urinary choriogonadotropin. Clin Chem 24(11):1958–61, Nov 78
ADULT/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ MENSTRUATION/ PREGNANCY/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2407. **Macera C, de la Sota F, Gálvez S:** Tratamiento de la lumbociática con betametasona acetato-fosfato por vía epidural. Rev Med Chil 106(9):699–704, Sep 78 (Eng. Abstr.) **(Spa)**
ADULT/ AGED/ *BACKACHE, drug therapy/ *BETAMETHASONE, analogs & derivatives/ BETAMETHASONE, administration & dosage/ BETAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ EPIDURAL SPACE/ FOLLOW-UP STUDIES/ HUMAN/ INJECTIONS/ MIDDLE AGE/ *SCIATICA, drug therapy

2408. **McGinnis JF, de Vellis J:** Glucocorticoid regulation in rat brain cell cultures. Hydrocortisone increases the rate of synthesis of glycerol phosphate dehydrogenase in C6 glioma cells. J Biol Chem 253(23):8493–92, 10 Dec 78
CELL LINE/ ENZYME INDUCTION, drug effects/ GEL DIFFUSION TESTS/ *GLYCEROLPHOSPHATE DEHYDROGENASE, biosynthesis/ *HYDROCORTISONE, pharmacodynamics/ KINETICS/ MOLECULAR WEIGHT/ PRECIPITIN TESTS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2409. **McGregor WH, Stein L, Belluzzi JD:** Potent analgesic activity of the enkephalin-like tetrapeptide H-Tyr-D-Ala-Gly-Phe-NH2. Life Sci 23(13):1371–6, 2 Oct 78
AMINO ACID SEQUENCE/ ANIMAL/ BINDING, COMPETITIVE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, administration & dosage/ ENKEPHALINS, metabolism/ *ENKEPHALINS, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ INJECTIONS, INTRAVENTRICULAR/ *NOCICEPTORS, drug effects/ RATS/ *RECEPTORS, NARCOTIC, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

2410. **McGuire JC, Greene LA, Furano AV:** NGF stimulates incorporation of fucose or glucosamine into an external glycoprotein in cultured rat PC12 pheochromocytoma cells. Cell 15(2):357–65, Oct 78
CELL LINE/ CULTURE MEDIA/ FUCOSE, metabolism/ GLUCOSAMINE, metabolism/ *GLYCOPROTEINS, metabolism/ KINETICS/ MEMBRANE PROTEINS, biosynthesis/ NEOPLASMS, EXPERIMENTAL, metabolism/ *NERVE GROWTH FACTOR, pharmacodynamics/ NERVE TISSUE PROTEINS, metabolism/ *PHEOCHROMOCYTOMA, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2411. **McGuire WL, Horwitz KB:** A role for progesterone in breast cancer. Ann NY Acad Sci 286:90–100, 11 Mar 77 (135 ref.)
ANDROGENS, SYNTHETIC, pharmacodynamics/ ANIMAL/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, physiopathology/ BREAST NEOPLASMS, therapy/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ HUMAN/ NEOPLASMS, EXPERIMENTAL, etiology/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ *PROGESTERONE, physiology/ RATS/ *RECEPTORS, PROGESTERONE/ RECEPTORS, PROGESTERONE, drug effects/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2412. **MacHenry JC, Nevin NC, Thomas PS:** Achondrogenesis. Ir J Med Sci 147(11):404–6, Nov 78
CASE REPORT/ DWARFISM, familial & genetic/ *DWARFISM, radiography/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, familial & genetic/ *INFANT, NEWBORN, DISEASES, radiography/ NORTHERN IRELAND/ PREGNANCY

2413. **Machín-Santamaría C:** Ultrastruct of the hypothalamic neurosecretory nuclei of the dormouse (Eliomys quercinus L.) in the awakening and hibernating states. J Anat 127(2):239–49, Oct 78
ANIMAL/ FEMALE/ *HIBERNATION/ *HYPOTHALAMUS, ultrastructure/ *HYPOTHALAMUS, ANTERIOR, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ NEURONS, ultrastructure/ *NEUROSECRETORY SYSTEMS, ultrastructure/ PARAVENTRICULAR NUCLEUS, ultrastructure/ *RODENTS, anatomy & histology/ SUPRAOPTIC NUCLEUS, ultrastructure

2414. **Macho L, Ficková M, Strbák V, et al:** Effects of corticosterone on endogenous metabolism in the isolated perfused liver of normal and prematurely weaned rats. Physiol Bohemoslov 27(6):493–500, 1978
ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL/ CHOLESTEROL, metabolism/ CORTICOSTERONE, metabolism/ *CORTICOSTERONE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCOSE, metabolism/ LACTATES, metabolism/ LIPIDS, metabolism/ LIVER, enzymology/ *LIVER, metabolism/ PROTEINS, metabolism/ RATS/ UREA, metabolism/ *WEANING

2415. **McIntosh GH:** Foetal thyroidectomy and hydranencephaly in lambs [letter] Aust Vet J 54(8):408–9, Aug 78
*ANENCEPHALY, veterinary/ ANIMAL/ FEMALE/ *FETUS, surgery/ HYDRANENCEPHALY, etiology/ *HYDRANENCEPHALY, veterinary/ PREGNANCY/ *SHEEP DISEASES, etiology/ SHEEP/ *THYROIDECTOMY, adverse effects

2416. **MacIntosh PK, Thomson KR:** A needle biopsy would be quickest. Med J Aust 2(5):216–7, 26 Aug 78
*ADENOMA, diagnosis/ ADENOMA, pathology/ BIOPSY, NEEDLE/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

2417. **MacIntyre DE, Salzman EW, Gordon JL:** Prostaglandin receptors on human platelets. Structure-activity relationships of stimulatory prostaglandins. Biochem J 174(3):921–9, 15 Sep 78
A-23187, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ARACHIDONIC ACIDS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ COLLAGEN, pharmacodynamics/ HUMAN/ IN VITRO/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ *RECEPTORS, HORMONE, metabolism/ *RECEPTORS, PROSTAGLANDIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

2418. **Mack TM:** Postmenopausal carcinoma as a result of estrogen treatment: survey of evidence. Pediatrics 62(6 Pt 2):1104–13, Dec 78
AGE FACTORS/ AGED/ BREAST NEOPLASMS, chemically induced/ *BREAST NEOPLASMS, occurrence/ CALIFORNIA/ COLONIC NEOPLASMS, chemically induced/ COLONIC NEOPLASMS, occurrence/ *ESTROGENS/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ LUNG NEOPLASMS, occurrence/ *MENOPAUSE/ MIDDLE AGE/ RACIAL STOCKS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERINE

NEOPLASMS, chemically induced/ *UTERINE NEOPLASMS, occurrence

2419. **MacKay SA:** Computer simulation of aggregation in Dictyostelium discoideum. J Cell Sci 33:1–16, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *CELL AGGREGATION/ CHEMOTAXIS/ DICTYOSTELIUM, cytology/ *DICTYOSTELIUM, growth & development/ INTERPHASE/ *MODELS, BIOLOGICAL/ MORPHOGENESIS/ PHOSPHODIESTERASES, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2420. **Mackenzie RG, Hoebel BG, Norelli HC, et al:** Increased tilt-cage activity after serotonin depletion by 5,7-dihydroxytryptamine. Neuropharmacology 17(11):957–63, Nov 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BIOGENIC AMINES, metabolism/ BRAIN CHEMISTRY, drug effects/ *DIHYDROXYTRYPTAMINES, pharmacodynamics/ DIURNAL RHYTHM/ FEMALE/ *MOTOR ACTIVITY, drug effects/ RAPHE NUCLEI, physiology/ RATS/ *SEROTONIN, metabolism/ SEROTONIN, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

2421. **Mackerer CR:** Enhancement of renal gluconeogenesis by clofibrate. Biochem Pharmacol 27(18):2277–8, 1978
ANIMAL/ *CLOFIBRATE, pharmacodynamics/ *GLUCONEOGENESIS, drug effects/ IN VITRO/ KIDNEY CORTEX, metabolism/ KIDNEY, drug effects/ *KIDNEY, metabolism/ RATS/ STIMULATION, CHEMICAL/ THYROIDECTOMY

2422. **McKillop JH, Doig JA, Kennedy JS, et al:** Laryngeal malignancy following iodine-125 therapy for thyrotoxicosis. Lancet 2(8101):1177–9, 2 Dec 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *IODINE RADIOISOTOPES, adverse effects/ LARYNGEAL NEOPLASMS, diagnosis/ *LARYNGEAL NEOPLASMS, etiology/ LARYNGEAL NEOPLASMS, surgery/ LEIOMYOSARCOMA, diagnosis/ *LEIOMYOSARCOMA, etiology/ LEIOMYOSARCOMA, surgery/ MIDDLE AGE/ *NEOPLASMS, RADIATION-INDUCED/ NEOPLASMS, RADIATION-INDUCED, diagnosis/ NEOPLASMS, RADIATION-INDUCED, surgery/ RADIOTHERAPY DOSAGE/ *RADIOTHERAPY, adverse effects/ THYROID GLAND, pathology/ THYROID GLAND, radiation effects/ TIME FACTORS

2423. **MacLennan IC, Golstein P:** Recognition by cytolytic T and K cells: identification in both systems of a divalent cation-independent, cytochalasin A-sensitive step. J Immunol 121(6):2542–6, Dec 78
ANIMAL/ BINDING SITES, ANTIBODY/ CALCIUM, metabolism/ CATIONS, DIVALENT/ *CYTOCHALASINS, pharmacodynamics/ *CYTOTOXICITY, IMMUNOLOGIC/ IMMUNOGLOBULINS, FC/ *KILLER CELLS, immunology/ MAGNESIUM, metabolism/ MICE/ RABBITS/ SHEEP/ *T-LYMPHOCYTES, immunology/ TEMPERATURE

2424. **Macleod SC, Scott J, Lord L, et al:** Prevention and suppression of post-partum lactation with 2-bromo-alpha-ergocryptine (CB-154). Clin Endocrinol (Oxf) 6 Suppl:65S–70S, 1977
BREAST, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *LACTATION, drug effects/ PREGNANCY/ PROLACTIN, blood/ TIME FACTORS/ 2-BROMOERGOCRYPTINE, administration & dosage/ 2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, pharmacodynamics

2425. **McMillen IC, Jenkin G, Thorburn GD, et al:** Effect of somatostatin on the concentration of growth hormone in the plasma of foetal sheep. J Endocrinol 78(3):453–4, Sep 78
ANIMAL/ FEMALE/ FETAL BLOOD, analysis/ *FETUS, drug effects/ *PITUITARY GLAND, drug effects/ PREGNANCY/ SHEEP/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ *SOMATOTROPIN, blood

2426. **McMorris FA, Post D:** Extinction of differentiated glial functions in somatic ce-l hybrids is incomplete. Exp Cell Res 117(2):371–81, Dec 78
CELL FUSION/ ENZYME INDUCTION/ *GLYCEROLPHOSPHATE DEHYDROGENASE, metabolism/ *HYBRID CELLS, enzymology/ HYDROCORTISONE/ *HYDROXYBUTYRATE DEHYDROGENASE, metabolism/ KARYOTYPING/ L CELLS/ MACROPHAGES/ NEUROGLIA, cytology/ *NEUROGLIA, enzymology/ *PHOSPHODIESTERASES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE, metabolism

2427. **McNamara JO:** Selective alterations of regional beta-adrenergic receptor binding in the kindling model of epilepsy. Exp Neurol 61(3):582–91, 15 Sep 78
ALPRENOLOL, analogs & derivatives/ ALPRENOLOL, metabolism/ *AMYGDALOID BODY, metabolism/ ANIMAL/ BENZILATES, metabolism/ *CONVULSIONS, metabolism/ *DISEASE MODELS, ANIMAL/ MALE/ QUINUCLIDINES, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, metabolism/ *RECEPTORS, ADRENERGIC, BETA, metabolism/ *RECEPTORS, CHOLINERGIC, metabolism/ *RECEPTORS, MUSCARINIC, metabolism/ UNITED STATES GOV'T SUPPORTED

2428. **McNeil JJ, Louis WJ:** An open study of the antihypertensive efficacy of metoprolol. Med J Aust 2(3):123–5, 29 Jul 78
ADULT/ AGED/ FEMALE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ MALE/ METOPROLOL, adverse effects/ *METOPROLOL, therapeutic use/ MIDDLE AGE/ PLACEBOS/ *PROPANOLAMINES, therapeutic use/ RENIN, blood

2429. **McNeilly AS, Sharpe RM, Davidson DW, et al:** Inhibition of gonadotrophin secretion by induced hyperprolactinaemia in the male rat. J Endocrinol 79(1):59–68, Oct 78
ANIMAL/ FSH, blood/ FSH, metabolism/ *FSH, secretion/ GONADOTROPINS, CHORIONIC, metabolism/ HYPOTHALAMUS, metabolism/ LH, blood/ LH, metabolism/ *LH, secretion/ LH-FSH RELEASING HORMONE, metabolism/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, transplantation/ *PROLACTIN, blood/ PROLACTIN, metabolism/ RATS/ TESTIS, metabolism/ TESTOSTERONE, blood/ TRANSPLANTATION, AUTOLOGOUS

2430. **McQuillen MP, Swick HM:** A.C.T.H. in Guillain-Barré syndrome [letter] Lancet 2(8101):1209, 2 Dec 78
CLINICAL RESEARCH/ COMPARATIVE STUDY/ *CORTICOTROPIN, therapeutic use/ DRUG EVALUATION/ HUMAN/ *POLYRADICULONEURITIS, drug therapy/ PREDNISONE, therapeutic use/ RESEARCH DESIGN

2431. **Maddrey WC:** Propylthiouracil treatment of alcoholic hepatitis [editorial] Gastroenterology 76(1):218–9, Jan 79
ANIMAL/ HEPATITIS, ALCOHOLIC, blood/ *HEPATITIS, ALCOHOLIC, drug therapy/ HEPATITIS, ALCOHOLIC, physiopathology/ HUMAN/ LIVER FUNCTION TESTS/ LIVER, physiopathology/ *PROPYLTHIOURACIL, therapeutic use

2432. **Madsen S, Olgaard K:** Has vitamin D a direct renal effect on the tubular reabsorption of phosphate? A study in parathyroidectomized (PTX) and non-PTX man. Adv Exp Med Biol 103:111–23, 1978
ABSORPTION/ ADULT/ CALCIUM, blood/ FEMALE/ GLOMERULAR FILTRATION RATE, drug effects/ HUMAN/ HYPERGLYCEMIA, metabolism/ HYPERTHYROIDISM, metabolism/ KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, metabolism/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, blood/ *PHOSPHATES, metabolism/ *VITAMIN D, pharmacodynamics

2433. **Madsen S, Olgaard K, Ladefoged J:** Degree and course of skeletal demineralization in patients with chronic renal insufficiency. Scand J Urol Nephrol 12(3):243–9, 1978
ADULT/ AGED/ *BONE AND BONES, metabolism/ BONE AND BONES, radiography/

DENSITOMETRY, X-RAY/ FEMALE/ HUMAN/ *KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ MIDDLE AGE/ *MINERALS, metabolism/ RADIUS, radiography

2434. **Maesaka H, Fukazawa K, Suwa S, et al:** [Case of diabetes insipidus with thyroxine binding globulin deficiency] Horumon To Rinsho 26(11):1208–13, Nov 78 **(Jpn)**
CASE REPORT/ *DIABETES INSIPIDUS, complications/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES/ MALE/ *SERUM GLOBULINS, deficiency/ *THYROXINE BINDING PROTEIN, deficiency

2435. **Magalhães MM, Breda JR, Magalhães MC:** Ultrastructural studies on the prenatal development of the rat adrenal cortex. J Ultrastruct Res 64(2):115–23, Aug 78
*ADRENAL CORTEX, embryology/ ADRENAL CORTEX, ultrastructure/ ANIMAL/ CELLULAR INCLUSIONS, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ GESTATIONAL AGE/ LIPIDS/ MITOCHONDRIA, ultrastructure/ RATS

2436. **Magyar DM, Marshall JR:** Pituitary tumors and pregnancy. Am J Obstet Gynecol 132(7):739–51, 1 Dec 78 (59 ref.)
ABORTION/ ADULT/ FEMALE/ FETAL DEATH/ FOLLOW-UP STUDIES/ HEADACHE, etiology/ HUMAN/ HYPOPHYSECTOMY/ INFANT MORTALITY/ LABOR, PREMATURE, etiology/ MALE/ OVULATION/ PARITY/ PITUITARY IRRADIATION/ *PITUITARY NEOPLASMS/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, therapy/ *PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, therapy/ PREGNANCY/ REVIEW/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VISION DISORDERS, etiology/ VISUAL FIELDS

2437. **Maharajan G, Etta KM, Singh A, et al:** Thyroxine, triiodothyronine and thyrotrophin levels in meningococcal meningitis, typhoid fever and other febrile conditions. Clin Endocrinol (Oxf) 9(5):401–6, Nov 78
ADOLESCENCE/ ADULT/ BODY TEMPERATURE/ FEMALE/ *FEVER, blood/ HUMAN/ MALE/ *MENINGITIS, MENINGOCOCCAL, blood/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TYPHOID, blood

2438. **Mai JK:** The accessory optic system and the retino-hypothalamic system. A review. J Hirnforsch 19(3):213–88, 1978
ACTIVITY CYCLES/ ANIMAL/ AUTORADIOGRAPHY/ HUMAN/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ LH, blood/ LH-FSH RELEASING HORMONE, blood/ NEUROSECRETION/ OPTIC NERVE, anatomy & histology/ PHOTIC STIMULATION/ REFLEX, PUPILLARY/ *RETINA, anatomy & histology/ SUBSTANTIA NIGRA, anatomy & histology/ SUPERIOR COLLICULUS, anatomy & histology/ SUPRAOPTIC NUCLEUS, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology/ *VISUAL PATHWAYS, anatomy & histology/ VISUAL PATHWAYS, physiology

2439. **Maillard C, Lambert M:** Plagioporus novellus n.sp. (Trematoda, Opecoelidae), parasite de Conger conger (Téléostei). Ann Parasitol Hum Comp 53(4):367–71, Jul-Aug 78 (Eng. Abstr.) **(Fre)**
ACETABULUM, anatomy & histology/ ANIMAL/ COMPARATIVE STUDY/ *EELS, parasitology/ ENGLISH ABSTRACT/ FEMALE/ GENITALIA, FEMALE, anatomy & histology/ INTESTINES, parasitology/ MALE/ TESTIS, anatomy & histology/ TREMATODA, anatomy & histology/ *TREMATODA, classification

2440. **Mainoya JR:** Possible influence of prolactin on intestinal hypertrophy in pregnant and lactating rats. Experientia 34(9):1230–1, 15 Sep 78
ANIMAL/ FEMALE/ HYPERTROPHY/ JEJUNUM, anatomy & histology/ *JEJUNUM, drug effects/ JEJUNUM, pathology/ *LACTATION/ ORGAN WEIGHT, drug effects/ PREGNANCY/ *PROLACTIN, physiology/ PROLACTIN, secretion/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *2-BROMOERGOCRYPTINE, pharmacodynamics

2441. **Majumdar SK, Shaw GK, Thomson AD:** Effect of chlormethiazole on serum prolactin. Br Med J 2(6147):1266–7, 4 Nov 78
ALCOHOLISM, drug therapy/ *CHLORMETHIAZOLE, pharmacodynamics/ CHRONIC DISEASE/ HUMAN/ MALE/ *PROLACTIN, blood

2442. **Makatsaria AD, Mel'nikov AP:** Sindrom disseminirovannogo vnutrisosudistogo svertyvaniia i tiazhelye formy pozdnikh toksikozov beremennykh. Akush Ginekol (Mosk) (11):5–8, Nov 78 (42 ref.) **(Rus)**
ACUTE DISEASE/ BLOOD COAGULATION DISORDERS, etiology/ BLOOD VESSELS, pathology/ BRAIN, pathology/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ *DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ DISSEMINATED INTRAVASCULAR COAGULATION, pathology/ ECLAMPSIA, etiology/ FEMALE/ HUMAN/ KIDNEY DISEASES, pathology/ KIDNEY, pathology/ LUNG, pathology/ PLACENTA DISORDERS, pathology/ PLACENTA, pathology/ PRE-ECLAMPSIA, pathology/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, etiology/ *PREGNANCY TOXEMIAS, etiology/ PREGNANCY TOXEMIAS, pathology/ PREGNANCY/ REVIEW/ SYNDROME

2443. **Makeeva VF, Komolova GS, Troitskaia EN, et al:** Soderzhanie 3',5'-tsAMF v tkaniakh krys pri adaptatsii k gipoksii i deistvii gamma-oblucheniia. Dokl Akad Nauk SSSR 242(6):1436–7, 1978 **(Rus)**
ADAPTATION, PHYSIOLOGICAL/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, radiation effects/ ANIMAL/ *ANOXIA, complications/ ANOXIA, metabolism/ COMPARATIVE STUDY/ *LIVER, analysis/ LIVER, radiation effects/ MALE/ *RADIATION INJURIES, EXPERIMENTAL, complications/ RADIATION INJURIES, EXPERIMENTAL, metabolism/ RATS/ *THYMUS GLAND, analysis/ THYMUS GLAND, radiation effects

2444. **Malaiyandi M, Barrette JP:** A high pressure liquid chromatographic method for the quantitation of sub-microgram amounts of zearalenone (F-2) in agricultural products. J Environ Sci Health [B] 13(4):381–400, 1978
ANIMAL FEED, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CORN, analysis/ METHODS/ MICROCHEMISTRY/ OILS, analysis/ *PLANTS, EDIBLE, analysis/ *RESORCINOLS, analysis/ SPECTROPHOTOMETRY, ULTRAVIOLET/ SPECTRUM ANALYSIS, MASS/ *ZEARALENONE, analysis

2445. **Malaviya AN, Kar A, Goswami S, et al:** Connective tissue disorders in India II. Clinical and immunological studies in Sjogren's syndrome. J Assoc Physicians India 26(7):553–60, Jul 78
ADULT/ AGED/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ IMMUNOGLOBULINS, analysis/ INDIA/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ SJOGREN'S SYNDROME, drug therapy/ *SJOGREN'S SYNDROME, immunology/ *SJOGREN'S SYNDROME, occurrence

2446. **Malbon CC, Li S, Fain JN:** Hormonal activation of glycogen phosphorylase in hepatocytes from hypothyroid rats. J Biol Chem 253(24):8820–5, 25 Dec 78
ANIMAL/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ *GLYCOGEN PHOSPHORYLASE, metabolism/ *HYPOTHYROIDISM, enzymology/ IN VITRO/ *ISOPROTERENOL, pharmacodynamics/ LIVER, drug effects/ *LIVER, enzymology/ PHENTOLAMINE, pharmacodynamics/ *PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2447. **Malekzadeh MH, Pennisi AJ, Phillips L, et al:** Growth and endocrine function in children with cystinosis following renal transplantation. Trans Am Soc Artif Intern Organs 24:278–81, 1978
ADRENAL CORTEX HORMONES, therapeutic use/ AGE DETERMINATION BY SKELETON/ CHILD/ CYSTINOSIS, complications/ *CYSTINOSIS, therapy/

FEMALE/ *GROWTH/ HUMAN/ HYPOTHYROIDISM, complications/ *KIDNEY, transplantation/ MALE/ *SOMATOTROPIN/ TRANSPLANTATION, ALLOGENEIC

2448. **Malfroy B, Swerts JP, Guyon A, et al:** High-affinity enkephalin-degrading peptidase in brain is increased after morphine. Nature 276(5687):523–6, 30 Nov 78
ANIMAL/ *CORPUS STRIATUM, enzymology/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ ENKEPHALINS, physiology/ ENZYME ACTIVATION, drug effects/ KINETICS/ MICE/ *MORPHINE, pharmacodynamics/ NEURAL TRANSMISSION/ *PEPTIDE PEPTIDOHYDROLASES, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBSTRATE SPECIFICITY

2449. **Malinkovich VD:** Ob uchastii prostaglandinov v mekhanizme gipotalamo-gipofizarnoi reguliatsii funktsii shchitovidnoi zhelezy. Probl Endokrinol (Mosk) 24(6):64–8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ ENGLISH ABSTRACT/ GOITER, NODULAR, metabolism/ HUMAN/ HYPERTHYROIDISM, metabolism/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, analysis/ MALE/ PITUITARY GLAND, analysis/ PROSTAGLANDINS E, analysis/ *PROSTAGLANDINS E, physiology/ RATS/ THYROID GLAND, analysis/ *THYROID GLAND, physiology/ THYROTROPIN, blood/ THYROXINE, analysis/ TRIIODOTHYRONINE, blood

2450. **Malinow MR, McLaughlin P, McNulty WP, et al:** Treatment of established atherosclerosis during cholesterol feeding in monkeys. Atherosclerosis 31(2):185–93, Oct 78
ACETIC ACIDS/ ANIMAL/ ANTICHOLESTEREMIC AGENTS, therapeutic use/ AORTA, pathology/ *ARTERIOSCLEROSIS, drug therapy/ ATHEROSCLEROSIS, blood/ *ATHEROSCLEROSIS, drug therapy/ ATHEROSCLEROSIS, pathology/ CHOLESTEROL, blood/ CHOLESTEROL, DIETARY, administration & dosage/ *CHOLESTYRAMINE, therapeutic use/ COMPARATIVE STUDY/ CORONARY VESSELS, pathology/ CYNOMOLGUS MONKEYS/ *DEXTROTHYROXINE, therapeutic use/ FEMALE/ LIPOPROTEINS, blood/ MONKEYS/ PHOSPHOLIPIDS, blood/ PYRIMIDINES, therapeutic use/ TRIGLYCERIDES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2451. **Malkin A, Kellen JA, Lickrish GM, et al:** Carcinoembryonic antigen (CEA) and other tumor markers in ovarian and cervical cancer. Cancer 42(3 Suppl):1452–6, Sep 78
ALKALINE PHOSPHATASE, metabolism/ *CARCINOEMBRYONIC ANTIGEN/ CARCINOMA IN SITU, metabolism/ *CERVIX NEOPLASMS, diagnosis/ CERVIX NEOPLASMS, metabolism/ FEMALE/ GLUTAMYL TRANSPEPTIDASE, metabolism/ HUMAN/ ISOENZYMES, metabolism/ MACROGLOBULINS, metabolism/ *OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, metabolism

2452. **Malvano R, Benedetto S, Galbiati A, et al:** Recent trends in methodological simplification of steroid radioimmunoassay. Horm Res 9(6):422–39, 1978
ALDOSTERONE, blood/ CROSS REACTIONS/ ESTRIOL, blood/ ESTRONE, blood/ *HORMONES, blood/ HUMAN/ HYDROXYPROGESTERONES, blood/ RADIOIMMUNOASSAY, methods/ *STEROIDS, blood

2453. **Mandel LR, Rokach J, Rooney CS, et al:** Inhibition of dimethyltryptamine biosynthesis by N,N'-bis-(3-methyl-2-thiazolidinylidene)succinamide (I) and 2-imino-3-methylthiazolidine (II). Mol Pharmacol 14(5):930–9, Sep 78
ADRENAL GLANDS, enzymology/ ANIMAL/ CATTLE/ DIALYSIS/ *DIMETHYLTRYPTAMINE, biosynthesis/ HUMAN/ IN VITRO/ KINETICS/ LIVER, enzymology/ LUNG, enzymology/ *METHYLTRANSFERASES, antagonists & inhibitors/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RABBITS/ *THIAZOLES, pharmacodynamics/ TIME FACTORS/ *TRYPTAMINES, biosynthesis

2454. **Manelfe C, Pasquini U, Bank WO:** Metrizamide demonstration of the subarachnoid space surrounding the optic nerves. J Comput Assist Tomogr 2(5):545–7, Nov 78
ADULT/ CASE REPORT/ EMPTY SELLA SYNDROME, radiography/ FEMALE/ HUMAN/ INJECTIONS, INTRATHECAL/ MALE/ *METRIZAMIDE, diagnostic use/ *OPTIC NERVE, radiography/ ORBIT, radiography/ *SUBARACHNOID SPACE, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

2455. **Manelfe C, Louvet JP, Boulard C, et al:** Hypothalamic-pituitary changes in diabetes insipidus demonstrated by computerised tomography [letter] Lancet 2(8104–5):1379–80, 23–30 Dec 78
ADULT/ CHILD/ CHILD, PRESCHOOL/ *CRANIOPHARYNGIOMA, radiography/ *DIABETES INSIPIDUS, pathology/ DIABETES INSIPIDUS, radiography/ FEMALE/ HUMAN/ HYPERTROPHY, radiography/ *HYPOTHALAMUS, pathology/ INFANT/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, pathology/ *PITUITARY NEOPLASMS, radiography/ *SUPRAOPTIC NUCLEUS, pathology/ TOMOGRAPHY, COMPUTERIZED AXIAL

2456. **Mangat HK, Chhina GS, Singh B, et al:** Effect of testosterone propionate on electrical activity of brain in intact & gonadectomized rhesus monkeys. Indian J Exp Biol 16(8):893–6, Aug 78
ANIMAL/ *BRAIN, drug effects/ BRAIN, physiology/ *CASTRATION/ ELECTROENCEPHALOGRAPHY/ MALE/ MONKEYS/ RHESUS MONKEYS/ *TESTOSTERONE, pharmacodynamics

2457. **Mangos JA, Garrish MT, Wells R, et al:** A micropuncture study of the handling of calcium by the rat parotid. J Dent Res 57(7–8):818–25, Jul-Aug 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CALCIUM, analysis/ *CALCIUM, metabolism/ CALCIUM, secretion/ ISOPROTERENOL, pharmacodynamics/ MALE/ PAROTID GLAND, drug effects/ *PAROTID GLAND, metabolism/ PAROTID GLAND, secretion/ PERFUSION/ PILOCARPINE, pharmacodynamics/ PUNCTURES, methods/ RATS/ SALIVA, analysis/ SALIVA, secretion/ SECRETORY RATE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2458. **Mangos JA:** Role of cGMP in isolated rat parotid acinar cells. J Dent Res 57(11–12):989–94, Nov-Dec 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CELL MEMBRANE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ MALE/ PAROTID GLAND, metabolism/ *PAROTID GLAND, physiology/ POTASSIUM, metabolism/ RATS/ RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, CHOLINERGIC, physiology/ RECEPTORS, MUSCARINIC, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2459. **Mankin HJ, Thrasher AZ, Weinberg EH, et al:** Dissociation between the effect of bovine growth hormone in articular cartilage and in bone of the adult dog. J Bone Joint Surg [Am] 60(8):1071–5, Dec 78
ANIMAL/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE DEVELOPMENT, drug effects/ CARTILAGE, ARTICULAR, analysis/ *CARTILAGE, ARTICULAR, drug effects/ CATTLE/ CYTIDINE, analysis/ DOGS/ DNA, analysis/ FEMALE/ GLYCINE, analysis/ HEXOSAMINES, analysis/ HYDROXYPROLINE, analysis/ *SOMATOTROPIN, pharmacodynamics/ SULFATES, analysis/ THYMIDINE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2460. **Mann T:** Experimental approach to the study of semen and male reproductive function. Int J Fertil 23(2):133–7, 1978
ANDROGENS, metabolism/ ANIMAL/ FEMALE/ FREEZING/ *GENITALIA, MALE, physiology/ HUMAN/ INSEMINATION, ARTIFICIAL/ MALE/ PREGNANCY/ SEMEN PRESERVATION/ SEMEN, analysis/ *SEMEN, physiology/ SPERM MOTILITY/ SPERMATOZOA, metabolism/

SPERMATOZOA, ultrastructure/ TESTIS, metabolism

2461. **Männistö PT, Pakkanen J, Ranta T, et al:** Diurnal variations of medial basal and anterior hypothalamic thyroliberin [TRH] and serum thyrotropin [TSH] concentrations in male rats. Life Sci 23(13):1343–49, 2 Oct 78
ANIMAL/ *CIRCADIAN RHYTHM/ *DIURNAL RHYTHM/ *HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, ANTERIOR, metabolism/ HYPOTHALAMUS, MEDIAL, metabolism/ MALE/ RATS/ *THYROTROPIN RELEASING HORMONE, metabolism/ *THYROTROPIN, metabolism

2462. **Manoli RS, Soin JS:** Unilateral increased radioactivity in the lower extremities on routine 99mTc-pyrophosphate bone imaging. Clin Nucl Med 3(9):374–8, Sep 78
ADULT/ AGED/ *BONE AND BONES, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ LEG, blood supply/ *LEG, radionuclide imaging/ LYMPHEDEMA, radionuclide imaging/ MALE/ *TECHNETIUM, diagnostic use/ THIGH, radionuclide imaging

2463. **Mansel RE, Preece PE, Hughes LE:** A double blind trial of the prolactin inhibitor bromocriptine in painful benign breast disease. Br J Surg 65(10):724–7, Oct 78
*BREAST DISEASES, drug therapy/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ MENSTRUATION/ PAIN, drug therapy/ PROLACTIN, blood/ TIME FACTORS/ *2-BROMOERGOCRYPTINE, therapeutic use

2464. **Månsson B, Rahemtulla F:** Kalktabletter och benmjölspreparat--en fluorkälla. Tandlakartidningen 70(6):383–5, 15 Mar 78 **(Swe)**
*BONE AND BONES, analysis/ *CALCIUM, administration & dosage/ *FLUORIDES, administration & dosage/ HUMAN/ MOTTLED ENAMEL, chemically induced

2465. **Manthorpe R, Sørensen SF:** Et tilfaelde af blandet bindevaevssygdom (mixed connective tissue disease, MCTD) i Danmark. Ugeskr Laeger 140(50):3138–9, 11 Dec 78 (Eng. Abstr.) **(Dan)**
ADULT/ CASE REPORT/ *COLLAGEN DISEASES/ COLLAGEN DISEASES, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN

2466. **Manuilova IA:** Sovremennye printsipy diagnostiki besplodiia u zhenshchin. Akush Ginekol (Mosk) (10):5–9, 1978 (20 ref.) **(Rus)**
CERVIX MUCUS, physiology/ COITUS/ FEMALE/ FERTILITY/ FSH, blood/ GENITAL DISEASES, FEMALE, diagnosis/ HUMAN/ HYSTEROSALPINGOGRAPHY/ MALE/ MENSTRUATION DISORDERS, diagnosis/ MENSTRUATION, LUTEAL PHASE/ METHODS/ OVULATION DETECTION, methods/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY/ PROLACTIN, blood/ REVIEW/ SPERMATOZOA, physiology/ *STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, etiology/ STERILITY, FEMALE, familial & genetic/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

2467. **Maraček I, Arendarčik J, Tokos M:** Histologické a karyometrické zmeny periodického žltého telieska jalovíc po aplikácii melengestrolacetátu. Vet Med (Praha) 23(11):669–80, Nov 78 (Eng. Abstr.) **(Slo)**
ANIMAL/ CATTLE/ CELL NUCLEUS, ultrastructure/ CORPUS LUTEUM, cytology/ *CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ KARYOMETRY/ *MELENGESTROL, administration & dosage/ *PREGNADIENES, administration & dosage

2468. **Maraček I, Arendarčik J, Stolárik P:** Histológia epitelu ampuly vajcovodu jalovíc po aplikácii melengestrolacetátu. Vet Med (Praha) 23(11):661–8, Nov 78 (Eng. Abstr.) **(Slo)**
ANIMAL/ CATTLE/ ENGLISH ABSTRACT/ EPITHELIUM, cytology/ EPITHELIUM, drug effects/ FALLOPIAN TUBES, cytology/ *FALLOPIAN TUBES, drug effects/ FEMALE/ *MELENGESTROL, administration & dosage/ *PREGNADIENES, administration & dosage/ STAINS AND STAINING

2469. **Maranzana A:** Uso ed abuso della minipillola nell'adolescenza. Minerva Med 69(46):3180–2, 30 Sep 78 **(Ita)**
ADOLESCENCE/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *PREGNANCY IN ADOLESCENCE/ PREGNANCY

2470. **Maravilla KR, Kirks DR, Maravilla AM, et al:** Computed tomography in the evaluation of sella and parasella lesions: the value of sagittal and coronal reconstructions. Comput Tomogr 2(3):237–49, 1978
*ADENOMA, radiography/ ADENOMA, CHROMOPHOBE, radiography/ BRAIN DISEASES, radiography/ BRAIN NEOPLASMS, radiography/ CHILD/ CRANIAL NERVE NEOPLASMS, radiography/ CRANIOPHARYNGIOMA, radiography/ EMPTY SELLA SYNDROME, radiography/ EOSINOPHILIC GRANULOMA, radiography/ GLIOMA, radiography/ HUMAN/ HYPOTHALAMUS, radiography/ OPTIC NERVE DISEASES, radiography/ *PITUITARY NEOPLASMS, radiography/ *SELLA TURCICA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL, methods

2471. **Maravilla KR, Kirks DR, Maravilla AM:** CT diagnosis of intracranial cystic abnormalities in children. Comput Tomogr 2(3):221–35, 1978
ARACHNOID/ ARTERIOVENOUS MALFORMATIONS, radiography/ ASTROCYTOMA, radiography/ BRAIN ABSCESS, radiography/ *BRAIN DISEASES, radiography/ BRAIN NEOPLASMS, radiography/ *BRAIN, abnormalities/ CEREBRAL VENTRICLES, abnormalities/ CHILD/ CISTERNA MAGNA, abnormalities/ CORPUS CALLOSUM, radiography/ CRANIOPHARYNGIOMA, radiography/ *CYSTS, radiography/ DANDY-WALKER SYNDROME, radiography/ HEMATOMA, SUBDURAL, radiography/ HUMAN/ HYDRANENCEPHALY, radiography/ INFANT/ INFANT, NEWBORN/ TERATOID TUMOR, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

2472. **March CM:** Therapeutic regimens and monitoring techniques for human menopausal gonadotropin administration. J Reprod Med 21(3 Suppl):198–204, Sep 78
ANOVULATION, complications/ *ANOVULATION, drug therapy/ ANOVULATION, metabolism/ CERVIX MUCUS/ ESTROGENS, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC, administration & dosage/ HUMAN/ MENOTROPINS, administration & dosage/ *MENOTROPINS, therapeutic use/ OVULATION INDUCTION, methods/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology/ STERILITY, FEMALE, metabolism

2473. **March CM:** Complications of gonadotropin therapy. J Reprod Med 21(3 Suppl):208–11, Sep 78
FEMALE/ *GONADOTROPINS, CHORIONIC, adverse effects/ HUMAN/ *MENOTROPINS, adverse effects/ OVARIAN DISEASES, chemically induced/ OVARIAN DISEASES, therapy/ PREGNANCY/ PREGNANCY, MULTIPLE/ SYNDROME

2474. **Marche P, Thomasset M, Cuisinier-Gleizes P, et al:** 'Calcium-binding protein' intestinale: une expression moléculaire de l'action hormonale de la vitamine D3. Ann Endocrinol (Paris) 39(3):219–20, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ *CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ *CARRIER PROTEINS, metabolism/ *CHOLECALCIFEROLS, physiology/ DUODENUM, metabolism/ ENGLISH ABSTRACT/ *INTESTINAL MUCOSA, metabolism/ RATS

2475. **Marchelidon J, Fontaine-Bertrand E, Salesse R, et al:** Rapidité de la réassociation in vitro des sousunités de gonadotropine chez un Poisson Téléostéen, la Carpe (Cyprinus carpio L.). C R Acad Sci [D] (Paris) 287(4):301–4, 11 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ *CARP/ COMPARATIVE STUDY/ *CYPRINIDAE/ ENGLISH ABSTRACT/ *GONADOTROPINS/ IN VITRO/ LH/ TEMPERATURE

2476. **Marcus AJ:** The role of lipids in platelet function: with particular reference to the arachidonic acid pathway. J Lipid Res 19(7):793–826, Sep 78
ANIMAL/ *ARACHIDONIC ACIDS, blood/

BIOLOGICAL ASSAY/ *BLOOD PLATELETS, physiology/ FATTY ACIDS, ESSENTIAL, blood/ HEMOSTASIS/ HUMAN/ *LIPIDS, blood/ LIPOXYGENASES, blood/ PHOSPHOLIPASE, blood/ PLATELET AGGREGATION/ PROSTAGLANDIN SYNTHASE, metabolism/ PROSTAGLANDINS H, metabolism/ PROSTAGLANDINS X, blood/ PROSTAGLANDINS, blood/ THROMBOXANES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2477. **Marczyńska A, Sznapka Z, Oszacki J:** Bilans sodu, chloru i 'widocznej' wody po operacji wola nadczynnego. Pol Przegl Chir 50(8):653–9, Aug 78 (Eng. Abstr.) **(Pol)**
*BODY WATER, metabolism/ *CHLORIDES, metabolism/ ENGLISH ABSTRACT/ *GOITER, surgery/ HUMAN/ *SODIUM, metabolism

2478. **Margolese MS, Winkelman JW:** Elevated alkaline phosphatase in a hypoestrin--hyperthyroid patient. Am J Clin Pathol 70(5):846, Nov 78
*ALKALINE PHOSPHATASE, blood/ CASE REPORT/ *ESTROGENS, deficiency/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *MENOPAUSE/ MIDDLE AGE

2479. **Margotat A, Rolland PH, Charrier B, et al:** Depressive effect of thyrotropin in the physiological dose range on prostaglandin E2 synthesis and accumulation in cultured hog thyroid cells. FEBS Lett 95(2):347–51, 15 Nov 78
ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ IN VITRO/ KINETICS/ *PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS E, metabolism/ SWINE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics

2480. **Margules DL, Moisset B, Lewis MJ, et al:** beta-Endorphin is associated with overeating in genetically obese mice (ob/ob) and rats (fa/fa). Science 202(4371):988–91, 1 Dec 78
ANIMAL/ DISEASE MODELS, ANIMAL/ EATING, drug effects/ ENDORPHINS, antagonists & inhibitors/ ENDORPHINS, blood/ *ENDORPHINS, physiology/ *FEEDING BEHAVIOR, physiology/ FEMALE/ MALE/ MICE/ *MICE, OBESE, physiology/ NALOXONE, pharmacodynamics/ OBESITY, familial & genetic/ *OBESITY, physiopathology/ PITUITARY GLAND, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2481. **Marinchenko GV, Taranenko AG, Samartsev MA:** Vzaimodeistvie prolaktina s syvorotochnymi belkami. II. Gamma-globulin normal'noi syvorotki zhivotnykh, sviazyvaiushchii prolaktin. Probl Endokrinol (Mosk) 24(6):89–93, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *CARRIER PROTEINS, blood/ CHROMATOGRAPHY, GEL/ COMPARATIVE STUDY/ ELECTROPHORESIS, DISC/ ENGLISH ABSTRACT/ *GOATS, blood/ *IGA/ IMMUNOELECTROPHORESIS/ *PROLACTIN, blood/ PROTEIN BINDING/ RATS

2482. **(Marine D), Matovinovic J:** David Marine (1880–1976): Nestor of thyroidology. Perspect Biol Med 21(4):565–89, Summer 78
BIBLIOGRAPHY/ CRETINISM, etiology/ CURRENT BIOG-OBIT/ GOITER, ENDEMIC, complications/ GOITER, ENDEMIC, history/ GOITER, ENDEMIC, prevention & control/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERTHYROIDISM, history/ MARYLAND/ *THYROID DISEASES, history/ THYROID GLAND, physiology/ THYROID HORMONES, physiology/ THYROID NEOPLASMS, history

2483. **Marinkovic-Ilsen A, Koppe JG, Jöbsis AC, et al:** Enzymatic basis of typical X-linked ichthyosis [letter] Lancet 2(8099):1097, 18 Nov 78
*ARYLSULFATASES, deficiency/ FEMALE/ HUMAN/ *ICHTHYOSIS, enzymology/ ICHTHYOSIS, familial & genetic/ MALE/ PLACENTA, enzymology/ PREGNANCY/ *SEX CHROMOSOME ABNORMALITIES, enzymology/ SKIN, enzymology/ *SULFATASES, deficiency/ X CHROMOSOME

2484. **Marinova G:** Novi proizvodstva i proizvodstveni vrednosti s gonadotropen, embriotropen i mutagenen efekt. Akush Ginekol (Sofiia) 17(5):360–6, 1978 **(Bul)**
ABNORMALITIES, DRUG-INDUCED, etiology/ ABORTION, chemically induced/ AZIRIDINES, adverse effects/ BARIUM, adverse effects/ BENZENE, adverse effects/ *CHEMICAL INDUSTRY/ CHROMIUM, adverse effects/ *EMBRYO, drug effects/ ENVIRONMENTAL EXPOSURE/ *ENVIRONMENTAL POLLUTANTS, adverse effects/ FEMALE/ FETUS, drug effects/ GALLIUM, adverse effects/ GASOLINE, adverse effects/ HUMAN/ *MUTAGENS/ *OVARY, drug effects/ POLYVINYL CHLORIDE, adverse effects/ PREGNANCY/ SAFETY

2485. **Markiewicz K, Chmura J, Cholewa M:** Wpływ krótkotrwalego submaksymalnego wysiłku fizycznego o stałej mocy na stężenie insuliny, hormonu wzrostu, niektórych parametrów biochemicznych krwi oraz na równowagę kwasowo-zasadową u osob zdrowych. Med Pr 29(4):317–22, 1978 (Eng. Abstr.) **(Pol)**
ACID-BASE EQUILIBRIUM/ ACID-BASE IMBALANCE, metabolism/ ADULT/ BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ *EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ *INSULIN, blood/ MALE/ PYRUVATES, blood/ *SOMATOTROPIN, blood/ TIME FACTORS

2486. **Markovic M, Triscovic D:** Some results of occlusal and metric analysis of acromegalic cases. Int J Orthod 16(3):13–20, Sep 78
*ACROMEGALY, complications/ CEPHALOMETRY/ HUMAN/ *MALOCCLUSION, complications/ MALOCCLUSION, ANGLE CLASS III, occurrence

2487. **Marks P, Anderson J, Vincent R:** Aldosterone in myxoedema. Lancet 2(8103):1277–8, 16 Dec 78
*ALDOSTERONE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEART FAILURE, CONGESTIVE, chemically induced/ HUMAN/ HYPERALDOSTERONISM, chemically induced/ *MYXEDEMA, drug therapy/ MYXEDEMA, metabolism/ THYROXINE, administration & dosage/ THYROXINE, toxicity/ THYROXINE, therapeutic use

2488. **Marone G, Plaut M, Lichtenstein LM:** Characterization of a specific adenosine receptor on human lymphocytes. J Immunol 121(6):2153–9, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE, analogs & derivatives/ *ADENOSINE, metabolism/ BINDING SITES/ DIPYRIDAMOLE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ *LYMPHOCYTES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XANTHINES, pharmacodynamics

2489. **Marsden CA:** The involvement of 5-hydroxytryptamine and dopamine in the behavioural effects of alpha-methyltryptamine [proceedings] Br J Pharmacol 64(3):431P, Nov 78
ANIMAL/ *BEHAVIOR, ANIMAL, drug effects/ *DOPAMINE, physiology/ MALE/ RATS/ *SEROTONIN, physiology/ *TRYPTAMINES, pharmacodynamics

2490. **Marshall DH, Crilly R, Nordin BE:** The relation between plasma androstenedione and oestrone levels in untreated and corticosteroid-treated post-menopausal women. Clin Endocrinol (Oxf) 9(5):407–12, Nov 78
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *ANDROSTENEDIONE, blood/ CASTRATION/ COMPARATIVE STUDY/ *ESTRONE, blood/ FEMALE/ HUMAN/ *MENOPAUSE, drug effects/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use

2491. **Marshall JH, Groer PG, Schlenker RA:** Dose to endosteal cells and relative distribution factors for radium-224 and plutonium-239 compared to radium-226. Health Phys 35(1):91–101, Jul 78
ANIMAL/ BONE AND BONES, cytology/ *BONE AND BONES, radiation effects/ COMPARATIVE STUDY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HUMAN/

MODELS, BIOLOGICAL/ *PLUTONIUM, administration & dosage/ RABBITS/ RADIOCHEMISTRY/ *RADIUM, administration & dosage/ RADON, administration & dosage/ SPECIES SPECIFICITY

2492. **Marshall JS, Williams S:** Serum inhibitors of desialylated glycoprotein binding to hepatocyte membranes.
Biochim Biophys Acta 543(1):41–52, 21 Sep 78
ANIMAL/ CELL MEMBRANE, metabolism/ *GLYCOPROTEINS, blood/ HUMAN/ IMMUNOELECTROPHORESIS/ LECTINS/ LIVER CIRRHOSIS, ALCOHOLIC, blood/ *LIVER, metabolism/ PROTEIN BINDING/ RATS/ RICIN/ SIALIC ACIDS/ THYROXINE BINDING PROTEIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2493. **Marshall S, Bruni JF, Meites J:** Prolactin receptors in mouse liver: species differences in response to estrogenic stimulation.
Proc Soc Exp Biol Med 159(2):256–9, Nov 78
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LIVER, metabolism/ MALE/ MICE/ OVARY, physiology/ *PROLACTIN, metabolism/ RATS/ *RECEPTORS, HORMONE, metabolism/ SEX FACTORS/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2494. **Marshall WP, Banasiak MF, Kalkhoff RK:** Effects of phosphate deprivation on carbohydrate metabolism.
Horm Metab Res 10(5):369–73, Sep 78
ADULT/ BLOOD SUGAR, metabolism/ CALCIUM, metabolism/ *CARBOHYDRATES, metabolism/ DIET/ ENERGY METABOLISM/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, metabolism/ INSULIN, blood/ MAGNESIUM, metabolism/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ *PHOSPHATES, deficiency/ TOLBUTAMIDE, pharmacodynamics

2495. **Martin GP, Kellaway IW, Marriott C:** The solubilization of progesterone by mixed bile salt–phospholipid sols.
Chem Phys Lipids 22(3):227–38, Oct 78
*BILE ACIDS AND SALTS/ ESTRONE/ HYDROXYPROGESTERONES/ LYSOPHOSPHATIDYLCHOLINES/ *PHOSPHATIDYLCHOLINES/ *PROGESTERONE/ SOLUBILITY

2496. **Martin L, Finn CA:** Effects of an intra-uterine device on uterine cell division and epithelial morphology in ovariectomized mice treated with oestrogen and progesterone.
J Endocrinol 78(3):417–25, Sep 78
ANIMAL/ CASTRATION/ EPITHELIUM, cytology/ ESTRADIOL, pharmacodynamics/ FEMALE/ *INTRAUTERINE DEVICES/ MICE/ MITOSIS/ PROGESTERONE, pharmacodynamics/ *UTERUS, cytology/ UTERUS, drug effects

2497. **Martin SW, Kirby KL, Curtis RA:** Left abomasal displacement in dairy cows: its relationship to production. Can Vet J 19(9):250–3, Sep 78
*ABOMASUM/ ANIMAL/ *CATTLE DISEASES, physiopathology/ CATTLE/ *LACTATION

2498. **Martinet M, Fonlupt P, Pacheco H:** Interaction of CDP-choline with synaptosomal transport of biogenic amines and their precursors in vitro and in vivo in the rat corpus striatum.
Experientia 34(9):1197–9, 15 Sep 78
ANIMAL/ *BIOGENIC AMINES, metabolism/ CELL-FREE SYSTEM/ *CHOLINE, analogs & derivatives/ *CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ *CYTIDINE DIPHOSPHATE CHOLINE, pharmacodynamics/ DOPAMINE, metabolism/ KINETICS/ MALE/ NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SYNAPTOSOMES, metabolism/ TRYPTOPHAN, metabolism/ TYROSINE, metabolism

2499. **Marton J, Stark E, Merétey K, et al:** Evaluation of a radioimmunoassay for plasma adrenocorticotrophin.
J Endocrinol 78(3):309–19, Sep 78
ANIMAL/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ EVALUATION STUDIES/ RABBITS/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ RATS

2500. **Marx JL:** Estrogens: hormones' link to cancer disputed [news]
Science 202(4374):1270–1, 22 Dec 78
DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTROGENS, adverse effects/ FEMALE/ HEMORRHAGE, etiology/ HUMAN/ RISK/ UTERINE DISEASES, etiology/ UTERINE NEOPLASMS, diagnosis/ *UTERINE NEOPLASMS, etiology

2501. **Masaoka A, Yasumitsu T, Tani Y, et al:** [Intrathoracic pheochromocytoma (author's transl)] Kyobu Geka 31(11):870–4, Nov 78 (Eng. Abstr.) **(Jpn)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *MEDIASTINAL NEOPLASMS, pathology/ MEDIASTINAL NEOPLASMS, surgery/ *PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, surgery/ THORAX

2502. **Mashak SV, Paraskun VG, Subbotin VM:** Eksperimental'noe vospalenia platsenty ovtsy. Arkh Anat Gistol Embriol 75(10):79–81, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ INFLAMMATION/ *PLACENTA DISORDERS, pathology/ *PLACENTA, pathology/ PREGNANCY/ SHEEP/ TIME FACTORS/ TROPHOBLAST, pathology

2503. **Mashito T, Himuro K, Suzuki K, et al:** [Anterior pituitary function in patients with cerebrovascular diseases with special reference to prolactin secretion in response to TRH administration (author's transl)]
Nippon Naibunpi Gakkai Zasshi 54(7):838–47, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ CEREBRAL EMBOLISM AND THROMBOSIS, physiopathology/ CEREBRAL HEMORRHAGE, physiopathology/ *CEREBROVASCULAR DISORDERS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, ANTERIOR, secretion/ *PROLACTIN, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use

2504. **Mashito T, Himuro K, Suzuki K, et al:** [Anterior pituitary function in patients with cerebrovascular diseases with special reference to TSH secretion in response to TRH administration (author's transl)]
Nippon Naibunpi Gakkai Zasshi 54(7):829–37, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ CEREBRAL EMBOLISM AND THROMBOSIS, physiopathology/ CEREBRAL HEMORRHAGE, physiopathology/ *CEREBROVASCULAR DISORDERS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ PITUITARY GLAND, ANTERIOR, secretion/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, secretion

2505. **Mason JI, Arthur JR, Boyd GS:** Control of sterol metabolism in rat adrenal mitochondria. Biochem J 174(3):1045–51, 15 Sep 78
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOCHROME P-450, metabolism/ FEMALE/ *MITOCHONDRIA, metabolism/ PREGNENOLONE, biosynthesis/ RATS/ *STEROLS, metabolism/ STEROLS, pharmacodynamics/ STRESS/ STRUCTURE-ACTIVITY RELATIONSHIP

2506. **Massa R, Mas Garcia M, Martini L:** Androgen dependence of rat prostatic 3alpha-hydroxysteroid dehydrogenase.
J Endocrinol 79(1):143–4, Oct 78
*ANDROSTANEDIOL, metabolism/ *ANDROSTANES, metabolism/ ANIMAL/ CASTRATION/ IN VITRO/ MALE/ *PROSTATE, enzymology/ PROSTATE, metabolism/ RATS/ SEX MATURATION/ *STANOLONE, metabolism/ TESTOSTERONE, metabolism/ *3-HYDROXYSTEROID DEHYDROGENASES, metabolism

2507. **Massara F, Camanni F, Belforte L, et al:** Increased thyrotrophin secretion induced by sulpiride in man.
Clin Endocrinol (Oxf) 9(5):419–28, Nov 78
ADOLESCENCE/ ADULT/ FEMALE/ GALACTORRHEA, metabolism/ HUMAN/

HYPOTHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ PROLACTIN, secretion/ SULPIRIDE, administration & dosage/ *SULPIRIDE, pharmacodynamics/ *THYROTROPIN, secretion/ TIME FACTORS

2508. **Massarotti M, Roccella P, Tegos S, et al:** L'Idrocefalo idiopatico a pressione normale. Parte prima: Patogenesi e diagnosi. Recenti Prog Med 65(2):122–37, Aug 78 (64 ref.) (Eng. Abstr.) **(Ita)**
AMINES, metabolism/ BRAIN, metabolism/ CEREBROVASCULAR CIRCULATION/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCEPHALUS/ HYDROCEPHALUS, diagnosis/ HYDROCEPHALUS, etiology/ HYDROCEPHALUS, radiography/ *HYDROCEPHALUS, NORMAL PRESSURE/ HYDROCEPHALUS, NORMAL PRESSURE, diagnosis/ HYDROCEPHALUS, NORMAL PRESSURE, etiology/ HYDROCEPHALUS, NORMAL PRESSURE, radiography/ INTRACRANIAL PRESSURE/ PNEUMOENCEPHALOGRAPHY/ REVIEW/ SEROTONIN, metabolism/ TOMOGRAPHY, COMPUTERIZED AXIAL/ TRYPTOPHAN, metabolism

2509. **Massey EW, Goodman JC:** Unilateral asterixis [letter] JAMA 241(2):133–4, 12 Jan 79
AGED/ CASE REPORT/ *CEREBRAL INFARCTION, complications/ FEMALE/ HEMIPLEGIA, etiology/ HUMAN/ HYPOTHALAMUS, blood supply/ *TREMOR, etiology

2510. **Masson JP, Bass O, Baur HR, et al:** Zur Eliminationskinetik des Digoxin vor und während Spironolactonbehandlung. Klin Wochenschr 56(21):1071–6, 1 Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ AGED/ ANTIPYRINE, metabolism/ *DIGOXIN, metabolism/ DIGOXIN, therapeutic use/ ENGLISH ABSTRACT/ FECES, metabolism/ FEMALE/ HALF-LIFE/ HEART FAILURE, CONGESTIVE, drug therapy/ HUMAN/ KINETICS/ MALE/ METABOLIC CLEARANCE RATE, drug effects/ MIDDLE AGE/ *SPIRONOLACTONE, administration & dosage

2511. **Massry SG:** Skeletal resistance to the calcemic action of parathyroid hormone: role of the kidney and vitamin D. Contrib Nephrol 13:125–31, 1978
ANIMAL/ *BONE AND BONES, physiopathology/ *CALCIUM, blood/ DOGS/ HUMAN/ KIDNEY FAILURE, ACUTE, complications/ *KIDNEY FAILURE, ACUTE, physiopathology/ *KIDNEY, physiopathology/ NEPHRECTOMY/ OSTEOMALACIA, etiology/ OSTEOMALACIA, physiopathology/ PARATHYROID GLANDS, physiopathology/ *PARATHYROID HORMONE, physiology/ THYROID GLAND, physiology/ *VITAMIN D, metabolism

2512. **Massry SG:** The clinical pathophysiology of magnesium. Contrib Nephrol 14:64–73, 1978
ANIMAL/ DOGS/ ERYTHROCYTES, analysis/ HUMAN/ INTESTINAL ABSORPTION/ KIDNEY FAILURE, ACUTE, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, metabolism/ *KIDNEY, physiology/ MAGNESIUM DEFICIENCY, metabolism/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ NUTRITIONAL REQUIREMENTS/ PARATHYROID GLANDS, physiology/ RATS

2513. **Masui H, Reid LM, Glans C:** Isolation and characterization of cyclic AMP-resistant variants from a functional adrenal cortical cell line. Exp Cell Res 117(1):219–30, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADRENAL CORTEX/ CELL DIVISION, drug effects/ *CELL LINE/ CLONE CELLS/ CORTICOTROPIN, pharmacodynamics/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DRUG RESISTANCE/ KARYOTYPING/ MUTATION/ PHOSPHATES, metabolism/ PROTEIN KINASE, metabolism/ RECEPTORS, CYCLIC AMP, metabolism/ STEROIDS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2514. **Masuyama T, Suzuki Y, Ishiguro K, et al:** [Steroid-induced suppression of the anterior pituitary function and its recovery] Horumon To Rinsho 26(11):1130–5, Nov 78 **(Jpn)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, physiology/ PITUITARY HORMONES, ANTERIOR, blood/ *PREDNISOLONE, pharmacodynamics

2515. **Matesha EI, Rakut' VS, Zavirovich AA, et al:** Nekotorye pokazateli obmena serotonina pri nefropatii beremennykh. Akush Ginekol (Mosk) (11):20–3, Nov 78 (Eng. Abstr.) **(Rus)**
ADULT/ CLOT RETRACTION/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ *KIDNEY DISEASES, metabolism/ KIDNEY DISEASES, physiopathology/ MONOAMINE OXIDASE, blood/ PLATELET ADHESIVENESS/ *PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY/ *SEROTONIN, blood/ TRYPTOPHAN, blood

2516. **Mathur RS, Leaming AB, Williamson HO:** An assessment of the total estrone, estradiol-17beta and estriol in high risk pregnancy plasma. J Steroid Biochem 6(10):1421–7, Oct 75
*ESTRADIOL, blood/ *ESTRIOL, blood/ *ESTRONE, blood/ FEMALE/ HUMAN/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ SPECTROMETRY, FLUORESCENCE, methods

2517. **Mathur S, Mathur RS, Dowda H, et al:** Sex steroid hormones and antibodies to Candida albicans. Clin Exp Immunol 33(1):79–87, Jul 78
*ANTIBODIES, FUNGAL, analysis/ *CANDIDA ALBICANS, immunology/ CONTRACEPTIVES, ORAL, SYNTHETIC/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ IMMUNOGLOBULINS, analysis/ MALE/ MENSTRUATION/ *PROGESTERONE, blood/ TURNER'S SYNDROME, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2518. **Matlib MA, Rouslin W, Kraft G, et al:** On the existence of two populations of mitochondria in a single organ. Respiration, calcium transport and enzyme activities. Biochem Biophys Res Commun 84(2):482–8, 29 Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CELL FRACTIONATION/ CITRATE SYNTHASE, metabolism/ CYTOCHROME C, metabolism/ CYTOCHROME OXIDASE, metabolism/ GLUCOSEPHOSPHATASE, metabolism/ *KIDNEY CORTEX, metabolism/ MALE/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, ultrastructure/ *MITOCHONDRIA, HEART, metabolism/ NUCLEOTIDASES, metabolism/ *OXIDATIVE PHOSPHORYLATION/ *OXYGEN CONSUMPTION/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2519. **Mato JM, Jastorff B, Morr M, et al:** A model for cyclic AMP-chemoreceptor interaction in Dictyostelium discoideum. Biochim Biophys Acta 544(2):309–14, 1 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BINDING SITES/ *CHEMOTAXIS/ *DICTYOSTELIUM, metabolism/ MOLECULAR MODELS/ *RECEPTORS, CYCLIC AMP, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

2520. **Matoba T, Murakami K, Inagami T:** Rat renin: purification and characterization. Biochim Biophys Acta 526(2):560–71, 12 Oct 78
ANIMAL/ ISOELECTRIC POINT/ *ISOENZYMES, isolation & purification/ *KIDNEY, enzymology/ KINETICS/ MALE/ MOLECULAR WEIGHT/ RATS/ *RENIN, isolation & purification/ SPECIES SPECIFICITY/ SUBSTRATE SPECIFICITY/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2521. **Matovinovic J:** David Marine (1880–1976): Nestor of thyroidology. Perspect Biol Med 21(4):565–89, Summer 78
BIBLIOGRAPHY/ CRETINISM, etiology/ CURRENT BIOG-OBIT/ GOITER, ENDEMIC, complications/ GOITER, ENDEMIC, history/

GOITER, ENDEMIC, prevention & control/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ HYPERTHYROIDISM, history/ MARYLAND/ *THYROID DISEASES, history/ THYROID GLAND, physiology/ THYROID HORMONES, physiology/ THYROID NEOPLASMS, history

2522. **Matsubara T, Koyama M, Yoshida S, et al:** [A family with 4 cases of pheochromocytoma and 2 cases of Hippel-Lindau disease] Nippon Rinsho 36(9):3248-53, 10 Sep 78 **(Jpn)**
ADRENAL GLAND NEOPLASMS, familial & genetic/ ADULT/ *ANGIOMATOSIS, familial & genetic/ CASE REPORT/ FEMALE/ *HIPPEL-LINDAU DISEASE, familial & genetic/ HUMAN/ MALE/ MIDDLE AGE/ PEDIGREE/ *PHEOCHROMOCYTOMA, familial & genetic

2523. **Matsui I, Otani S, Morisawa S:** Effect of urethan on the induction of ornithine decarboxylase in regenerating rat liver. Biochim Biophys Acta 544(2):372-80, 1 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CARBOXY-LYASES, biosynthesis/ CORTISONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ KINETICS/ *LIVER REGENERATION, drug effects/ LIVER, drug effects/ *LIVER, enzymology/ LIVER, metabolism/ MALE/ *ORNITHINE DECARBOXYLASE, biosynthesis/ RATS/ SOMATOTROPIN, pharmacodynamics/ *URETHANE, pharmacodynamics

2524. **Matsumoto K, Kusaka K:** [A case of lumbosacral myelomeningocele--infected shunt system and the treatment (author's transl)] No Shinkei Geka 6(10):957-65, Oct 78 (Eng. Abstr.) **(Jpn)**
ABSCESS, etiology/ CASE REPORT/ *CEREBROSPINAL FLUID SHUNTS, adverse effects/ CHILD, PRESCHOOL/ CRYPTORCHISM/ ENGLISH ABSTRACT/ HUMAN/ HYDROCEPHALUS, etiology/ *HYDROCEPHALUS, surgery/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, surgery/ LUMBOSACRAL REGION/ MALE/ MENINGITIS, drug therapy/ *MENINGITIS, etiology/ *MENINGOMYELOCELE, surgery/ *POSTOPERATIVE COMPLICATIONS

2525. **Matsuo N, Tsuchiya H, Osa H, et al:** [Parathyroid tissue of a child] Horumon To Rinsho 26(11):1163-6, Nov 78 **(Jpn)**
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ *PARATHYROID GLANDS, cytology

2526. **Matsuura M, Tanae A, Hibi I:** [Etiology of gonadal dysfunction in pituitary insufficiency--with special reference to an hCG test for the evaluation of reserve testicular secretory function] Horumon To Rinsho 26(11):1110-5, Nov 78 **(Jpn)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ *HYPOGONADISM, etiology/ *HYPOPITUITARISM, complications/ HYPOPITUITARISM, physiopathology/ MALE/ MIDDLE AGE/ *TESTIS, secretion

2527. **Mattei A, Roulier R:** Place du Néopergonal dans le traitment des impubérismes hypogonadotrophiques masculins. Sem Hop Paris 54(25-28):875-7, 18-25 Sep 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ *GONADOTROPINS, deficiency/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *HYPOGONADISM, drug therapy/ MALE/ MENOTROPINS, pharmacodynamics/ *MENOTROPINS, therapeutic use/ SPERMATOGENESIS, drug effects

2528. **Mattheij JA, Swarts JJ:** Circadian variations in the plasma concentration of prolactin in the adult male rat. J Endocrinol 79(1):85-9, Oct 78
ANIMAL/ *CIRCADIAN RHYTHM/ MALE/ *PROLACTIN, blood/ *RATS, blood

2529. **Mattheus A, Rätz KH:** Die Bedeutung des Rhodanid in der Diagnostik von Fertilitätsstörungen. I. Zur Problematik der Bestimmungsmethode von Rhodanid und Ermittlung von Normativen im Blutserum und Ejakulat. Andrologia 10(5):397-404, Sep-Oct 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ NORMAL VALUES/ *SEMEN, analysis/ SEX FACTORS/ SMOKING/ STERILITY, MALE, blood/ *STERILITY, MALE, diagnosis/ *THIOCYANATES, analysis/ THIOCYANATES, blood

2530. **Matthews JL, Wiel CV, Talmage RV:** Bone lining cells and the bone fluid compartment, an ultrastructural study. Adv Exp Med Biol 103:451-8, 1978 (16 ref.)
ANIMAL/ *BODY FLUID COMPARTMENTS/ *BODY FLUIDS/ BONE AND BONES, cytology/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ *BONE AND BONES, ultrastructure/ CALCITONIN, pharmacodynamics/ CALCIUM, metabolism/ EXTRACELLULAR SPACE, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ REVIEW

2531. **Matthews MJ, Benson B, Richardson DL:** Partial maintenance of testes and accessory organs in blinded hamsters by homoplastic anterior pituitary grafts or exogenous prolactin. Life Sci 23(11):1131-7, 18 Sep 78
ANIMAL/ ATROPHY, prevention & control/ *BLINDNESS, physiopathology/ BODY WEIGHT/ *GENITALIA, MALE, pathology/ HAMSTERS/ MALE/ MESOCRICETUS/ ORGAN WEIGHT, drug effects/ *PITUITARY GLAND, ANTERIOR, physiology/ PITUITARY GLAND, ANTERIOR, transplantation/ PROLACTIN, blood/ *PROLACTIN, pharmacodynamics/ PROSTATE, pathology/ SEMINAL VESICLES, pathology/ *TESTIS, pathology/ TRANSPLANTATION, HOMOLOGOUS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2532. **Mattsson W:** High dose medroxyprogesterone-acetate treatment in advanced mammary carcinoma. A phase II investigation. Acta Radiol Oncol Radiat Phys Biol 17(5):387-400, 1978
ADULT/ AGED/ ANTINEOPLASTIC AGENTS/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, mortality/ CASTRATION/ CLINICAL RESEARCH/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG EVALUATION/ DRUG RESISTANCE/ DRUG THERAPY, COMBINATION/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MEDROXYPROGESTERONE, administration & dosage/ *MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ REMISSION/ TAMOXIFEN, therapeutic use

2533. **Maturo JM 3d, Shackelford WH, Hollenberg MD:** Characteristics of the solubilized insulin receptor of human placenta. Life Sci 23(20):2063-71, 13 Nov 78
CHROMATOGRAPHY, AFFINITY/ FEMALE/ GLYCOPROTEINS, metabolism/ HUMAN/ IN VITRO/ KINETICS/ LIVER, metabolism/ MEMBRANES, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ RECEPTORS, INSULIN, isolation & purification/ *RECEPTORS, INSULIN, metabolism/ SOLUBILITY

2534. **Matussek N:** Effect of amphetamine and clonidine on human growth hormone release in psychiatric patients and controls. pp. 431-46.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
ADULT/ AGE FACTORS/ *AMPHETAMINE, pharmacodynamics/ *CLONIDINE, pharmacodynamics/ *DEPRESSION, metabolism/ DEPRESSION, physiopathology/ *DEPRESSION, REACTIVE, metabolism/ DEPRESSION, REACTIVE, physiopathology/ FEMALE/ HUMAN/ MALE/ MENOPAUSE/ MIDDLE AGE/ MONOGRAPH/ *SOMATOTROPIN, metabolism/ SYNAPSES, physiology

2535. **Matussek N:** Neuroendokrinologische Untersuchungen bei depressiven Syndromen. Nervenarzt 49(10):569-75, Oct 78 **(Ger)**
AMPHETAMINES, pharmacodynamics/ CIRCADIAN RHYTHM/ CLONIDINE, pharmacodynamics/ *DEPRESSION, metabolism/ DEPRESSION, CHEMICAL/ DEXAMETHASONE,

pharmacodynamics/ HUMAN/ HYDROCORTISONE, metabolism/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ INSULIN, pharmacodynamics/ NEURAL TRANSMISSION/ PITUITARY-ADRENAL SYSTEM, metabolism/ SOMATOTROPIN, metabolism/ SOMATOTROPIN, secretion/ SYNAPTIC RECEPTORS

2536. **Matveev AA, Lapushinskii DP, Aleksandrovskaia RA:** Izuchenie klinicheskoi effektivnosti prednizolonoterapii v kontroliryemom issledovanii i voprosy taktiki primeneniia kortikosteroidov pri syvorotochnom gepatite. Ter Arkh 50(10):72–6, 1978 (Eng. Abstr.) **(Rus)**
ADMINISTRATION, ORAL/ ADOLESCENCE/ CASE REPORT/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ *HEPATITIS B, drug therapy/ HUMAN/ HYDROCORTISONE, administration & dosage/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ MIDDLE AGE/ *PREDNISOLONE, administration & dosage

2537. **Maurer HJ, Zeltsch P, Schimpf K:** Einfluss trijodierter Röntgenkontrastmittel auf die Blutgerinnung. Untersuchung der Thrombozytenaggregation. ROEFO 129(4):441–4, Oct 78 (Eng. Abstr.) **(Ger)**
AGE FACTORS/ BLOOD COAGULATION TESTS/ BLOOD COAGULATION, drug effects/ *CONTRAST MEDIA, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ IODINE, diagnostic use/ *PLATELET AGGREGATION, drug effects/ SEX FACTORS

2538. **Mauvais-Jarvis P:** Contraception orale: incertitude et perspectives. Rev Prat 28(41):3143–6, 3149–50, 3153–6, 21 Sep 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ BREAST NEOPLASMS, chemically induced/ CHOLELITHIASIS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ CORONARY DISEASE, chemically induced/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ ESTROGENS, adverse effects/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced/ LIVER NEOPLASMS, chemically induced/ PROGESTATIONAL HORMONES, adverse effects/ TRIGLYCERIDES, blood/ UTERINE NEOPLASMS, chemically induced

2539. **Mauvais-Jarvis P:** Progestatifs et contraception orale. La place des progestatifs seuls devant les incertitudes et les perspectives de la contraception orale. Concours Med 100(43):7125–30, 25 Nov 78 **(Fre)**
*CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ *PROGESTATIONAL HORMONES

2540. **Mauvais-Jarvis P, Lecomte P, Kuttenn F, et al:** Etude hormonal complète de 12 cas d'ovaires polykystiques type 1. Syndrome de Stein Leventhal. Ann Endocrinol (Paris) 39(3):191–9, 1978 (Eng. Abstr.) **(Fre)**
ANDROSTANEDIOL, secretion/ ANDROSTENEDIONE, secretion/ CLOMIPHENE, diagnostic use/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ FSH, secretion/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ LH, secretion/ LH-FSH RELEASING HORMONE, diagnostic use/ *OVARY, secretion/ PREGNANCY/ STANOLONE, secretion/ STEIN-LEVENTHAL SYNDROME, drug therapy/ *STEIN-LEVENTHAL SYNDROME, physiopathology/ TESTOSTERONE, secretion

2541. **Max SR, Rohrer H, Otten U, et al:** Nerve growth factor-mediated induction of tyrosine hydroxylase in rat superior cervical ganglia in vitro. J Biol Chem 253(22):8013–5, 25 Nov 78
ANIMAL/ CELLS, CULTURED/ ENZYME INDUCTION, drug effects/ GANGLIA, SPINAL, drug effects/ *GANGLIA, SPINAL, enzymology/ KINETICS/ MALE/ *NERVE GROWTH FACTOR, pharmacodynamics/ PRECIPITIN TESTS/ RATS/ *TYROSINE HYDROXYLASE, biosynthesis

2542. **Maxon HR, Apple DJ, Goldsmith RE:** Hypercalcemia in thyrotoxicosis. Surg Gynecol Obstet 147(5):694–6, Nov 78
ADULT/ AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERCALCEMIA, blood/ *HYPERCALCEMIA, complications/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ *HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ THYROXINE, blood

2543. **May CD, Block SA:** A modern clinical approach to food hypersensitivity. Allergy 33(4):166–88, Aug 78 (80 ref.)
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTIGENS/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DISODIUM CROMOGLYCATE, therapeutic use/ *FOOD HYPERSENSITIVITY/ FOOD HYPERSENSITIVITY, diagnosis/ FOOD HYPERSENSITIVITY, immunology/ FOOD HYPERSENSITIVITY, therapy/ GASTRIC MUCOSA, pathology/ GASTROINTESTINAL DISEASES, diagnosis/ GASTROINTESTINAL DISEASES, etiology/ GASTROINTESTINAL MOTILITY/ GLUTEN, adverse effects/ HUMAN/ IMMUNIZATION/ IMMUNOTHERAPY/ INFANT/ INTESTINAL MUCOSA, pathology/ MALABSORPTION SYNDROMES, complications/ MALABSORPTION SYNDROMES, etiology/ PNEUMONIA, etiology/ RADIOALLERGOSORBENT TEST/ REAGINS/ REVIEW/ SKIN TESTS

2544. **Mayanagi Y, Hori T, San K:** The posteromedial hypothalamus and pain, behavior, with special reference to endocrinological findings. Appl Neurophysiol 41(1–4):223–31, 1978
ADOLESCENCE/ ADULT/ AGED/ AGGRESSION, physiology/ BEHAVIOR, physiology/ FEMALE/ *HORMONES, secretion/ HUMAN/ *HYPOTHALAMUS, surgery/ HYPOTHALAMUS, POSTERIOR, physiology/ *HYPOTHALAMUS, POSTERIOR, surgery/ MALE/ MIDDLE AGE/ *PAIN, INTRACTABLE, therapy/ PITUITARY HORMONES, secretion/ *SOCIAL BEHAVIOR DISORDERS, therapy/ STEREOTAXIC TECHNICS

2545. **Mayar MQ, Tarnavsky GK, Reeves JJ:** Pituitary responsiveness following infusion or repeated injections of [D-Leu6, des Gly-NH210]-LHRH-ethylamide in prepubertal ewes. J Anim Sci 47(1):235–40, Jul 78
ANIMAL/ COMPARATIVE STUDY/ FEMALE/ *HORMONES, SYNTHETIC/ INJECTIONS, INTRAMUSCULAR/ INJECTIONS, INTRAVENOUS/ LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OVARY, drug effects/ *PITUITARY GLAND, drug effects/ *PUBERTY/ *SHEEP, physiology

2546. **Mayer B, Brunat-Mentigny M, Mollard P, et al:** Les tumeurs de l'ovaire avant la puberté. A propos de 24 cas dont 5 bilatéraux. Pediatrie 33(6):583–91, Sep 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ DYSEMBRYOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ LYMPHOMA, pathology/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ PUBERTY

2547. **Mays CW:** Endosteal dose to thorotrast patients. Health Phys 35(1):123–5, Jul 78
BONE AND BONES, analysis/ *BONE AND BONES, radiation effects/ BONE MARROW, analysis/ BONE MARROW, radiation effects/ HUMAN/ RADIUM, analysis/ *THORIUM DIOXIDE, administration & dosage/ UNITED STATES GOV'T SUPPORTED

2548. **Mazières B, Jung M, Bouteiller G, et al:** La scintigraphie médullaire dans la maladie osseuse de Paget. Nouv Presse Med 7(33):2947–8, 30 Sep 78 (Eng. Abstr.) **(Fre)**
AGED/ BONE AND BONES, radionuclide imaging/ *BONE MARROW, radionuclide imaging/ COLLOIDS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *OSTEITIS DEFORMANS, radionuclide imaging/ PYROPHOSPHATES, diagnostic use/ TECHNETIUM, diagnostic use

2549. **Mazis M, Morris LA, Gordon E:** Patient attitudes about two

forms of printed oral contraceptive information. Med Care 16(12):1045–54, Dec 78
ADOLESCENCE/ ADULT/ ATTITUDE/ *CONSUMER SATISFACTION/ *CONTRACEPTIVES, ORAL, adverse effects/ DRUG INFORMATION SERVICES/ *DRUG LABELING, methods/ FEMALE/ HUMAN/ MIDDLE AGE/ PATIENTS, education/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UNITED STATES

2550. **Meade CJ, Mertin J:** Fatty acids and immunity. Adv Lipid Res 16:127–65, 1978 (166 ref.)
ANIMAL/ DIETARY FATS/ *FATTY ACIDS, immunology/ FATTY ACIDS, metabolism/ FATTY ACIDS, NONESTERIFIED, metabolism/ HUMAN/ *IMMUNITY/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, metabolism/ MACROPHAGES, metabolism/ MEMBRANE LIPIDS, metabolism/ MULTIPLE SCLEROSIS, immunology/ MYOCARDIAL INFARCTION, immunology/ NEOPLASMS, immunology/ PROSTAGLANDINS, biosynthesis/ REVIEW

2551. **Měcháček J, Silhan J:** Incarceratio ovarii et tubae lat. dx. per strangulationem in graviditate. Cesk Gynekol 43(9):717, Nov 78 **(Cze)**
ADULT/ CASE REPORT/ FALLOPIAN TUBES/ FEMALE/ *HERNIA/ HUMAN/ OVARIAN DISEASES/ *PREGNANCY COMPLICATIONS/ PREGNANCY

2552. **Meco G, Casacchia M, Carchedi F, et al:** Prolactin response to repeated electroconvulsive therapy in acute schizophrenia [letter] Lancet 2(8097):999, 4 Nov 78
ACUTE DISEASE/ ADULT/ COMPARATIVE STUDY/ HUMAN/ MALE/ *PROLACTIN, blood/ SCHIZOPHRENIA, blood/ *SCHIZOPHRENIA, therapy/ *SHOCK THERAPY, ELECTRIC

2553. **Mędraś M, Kalemba J, Rabczyński J, et al:** Przypadek anorchizmu. Pol Tyg Lek 33(43):1693–4, 23 Oct 78 (Eng. Abstr.) **(Pol)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ KARYOTYPING/ MALE/ *TESTIS, abnormalities

2554. **Meema HE, Meema S:** Compact bone mineral density of the normal human radius. Acta Radiol [Ther] (Stockh) 17(4):342–52, 1978
ADULT/ AGE FACTORS/ AGED/ *BONE AND BONES, analysis/ BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *MINERALS, analysis/ SEX FACTORS

2555. **Meherji PK, Shetye TA, Munshi SR, et al:** Screening of Mesua ferrea (Nagkesar) for estrogenic & progestational activity in human & experimental models. Indian J Exp Biol 16(8):932–3, Aug 78
ANIMAL/ CERVIX MUCUS, drug effects/ DRUG SCREENING/ *ESTROGENS, analysis/ FEMALE/ HUMAN/ MICE/ *PLANTS, MEDICINAL, analysis/ *PROGESTATIONAL HORMONES, analysis/ RABBITS

2556. **Mehls O, Ritz E, Gilli G, et al:** Growth in renal failure. Nephron 21(5):237–47, 1978 (73 ref.)
ACIDOSIS, RENAL TUBULAR, complications/ ANEMIA, complications/ ANIMAL/ CALCIUM, metabolism/ *GROWTH DISORDERS, etiology/ GROWTH DISORDERS, prevention & control/ GROWTH/ HORMONES, metabolism/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ KIDNEY DISEASES, congenital/ *KIDNEY FAILURE, CHRONIC, complications/ KIDNEY FAILURE, CHRONIC, physiopathology/ NUTRITION DISORDERS, complications/ PHOSPHORUS, metabolism/ RATS/ REVIEW/ UREMIA, complications/ UREMIA, metabolism/ VITAMIN D, therapeutic use

2557. **Meili HU, Bandhauer K:** Erfahrungen mit der kombinierten Mesterolon-Clomiphen-Citrat-Therapie bei Oligospermien. Helv Chir Acta 44(3):373–6, Jun 77 **(Ger)**
*CLOMIPHENE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ HUMAN/ MALE/ *MESTEROLONE, therapeutic use/ *OLIGOSPERMIA, drug therapy/ *STANOLONE, analogs & derivatives

2558. **Meinel K, Fürstenberg H:** Ultraschall-B-Bilddiagnostik im Rahmen der normalen Schwangerenberatung. Zentralbl Gynaekol 100(16):1038–43, 1978 (Eng. Abstr.) **(Ger)**
ABORTION, THREATENED, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ PLACENTA DISORDERS, diagnosis/ *PREGNANCY COMPLICATIONS, prevention & control/ PREGNANCY/ PREGNANCY, MULTIPLE/ *PRENATAL CARE/ *ULTRASONICS, diagnostic use

2559. **Meinertz T, Schmelzle B, Scholz H:** Positive inotropic but no relaxant effects of phenylephrine in cat papillary muscle. J Cyclic Nucleotide Res 4(4):291–8, Aug 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CATS/ ELECTRIC STIMULATION/ IN VITRO/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ PAPILLARY MUSCLES/ *PHENYLEPHRINE, pharmacodynamics/ POTASSIUM CHLORIDE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics

2560. **Meiniel A:** Présence d'indolamines dans les organes pinéal et parapinéal de Lampetra planeri (Pétromyzontoïdes). C R Acad Sci [D] (Paris) 287(4):313–6, 11 Sep 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ *CYCLOSTOMES, metabolism/ ENGLISH ABSTRACT/ *HYDROXYTRYPTOPHAN, analysis/ *LAMPREYS, metabolism/ *PINEAL BODY, analysis/ SEASONS/ *SEROTONIN, analysis

2561. **Meister W:** Hinweise zur Durchführung der Glukokortikoidtherapie bei obstruktiven Atemtrakterkrankungen. Z Erkr Atmungsorgane 151(1):55–62, Apr 78 (Eng. Abstr.) **(Ger)**
ADMINISTRATION, ORAL/ AEROSOLS/ *AIRWAY OBSTRUCTION, drug therapy/ DIABETES MELLITUS, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ MALE/ PREGNANCY

2562. **Meites J:** Neuroendocrine control of prolactin in experimental animals. Clin Endocrinol (Oxf) 6 Suppl:9S–18S, 1977
ACETYLCHOLINE, physiology/ ANIMAL/ CATECHOLAMINES, physiology/ DOPAMINE, physiology/ FEEDBACK/ FEMALE/ GABA, physiology/ *HYPOTHALAMUS, physiology/ MALE/ NOREPINEPHRINE/ *PITUITARY GLAND, ANTERIOR, physiology/ PROLACTIN RELEASE INHIBITING HORMONE, physiology/ PROLACTIN RELEASING HORMONE, physiology/ *PROLACTIN, secretion/ RATS/ SEROTONIN, physiology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ STRESS, physiopathology/ THYROTROPIN RELEASING HORMONE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2563. **Melander A, Niklasson B, Ingemarsson I, et al:** Transplacental passage of atenolol in man. Eur J Clin Pharmacol 14(2):93–4, 16 Nov 78
ADULT/ ATENOLOL, blood/ *ATENOLOL, metabolism/ FEMALE/ HALF-LIFE/ HUMAN/ INFANT, NEWBORN/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ *PROPANOLAMINES, metabolism/ TIME FACTORS

2564. **Melella A, Basilico L, Lupini A, et al:** Manifestazioni scheletriche dell'iperparatiroidismo primario e secondario. Problemi di diagnostica radiologica differenziale. Minerva Med 69(52):3571–80, 31 Oct 78 (Eng. Abstr.) **(Ita)**
*BONE AND BONES, radiography/ BONE DISEASES, etiology/ *BONE DISEASES, radiography/ ENGLISH ABSTRACT/ HUMAN/ *HYPERPARATHYROIDISM, radiography/ *HYPERPARATHYROIDISM, SECONDARY, radiography

2565. **Melichar V, Vízek K:** Effect of hormones on lipolysis during

the neonatal period. Czech Med 1(4):223–8, 1978
ADIPOSE TISSUE, metabolism/ ADULT/ CATECHOLAMINES, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ *FATTY ACIDS, NONESTERIFIED, blood/ FATTY ACIDS, NONESTERIFIED, metabolism/ GLUCAGON, pharmacodynamics/ *GLYCERIN, blood/ GLYCERIN, metabolism/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INFANT/ *INFANT, NEWBORN/ THYROTROPIN, pharmacodynamics

2566. **Melliere D, Scattolini G:** Résultats du traitement chirurgical des hyperthyroïdies. A propos de 194 cas suivis avec un recul de 1 à 7 ans. Chirurgie 104(4):720–6, Jun 78 (Eng. Abstr.) **(Fre)**
ADENOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ GOITER, EXOPHTHALMIC, surgery/ GOITER, NODULAR, surgery/ HUMAN/ *HYPERTHYROIDISM, surgery/ MALE/ POSTOPERATIVE COMPLICATIONS/ POSTOPERATIVE PERIOD/ THYROID NEOPLASMS, surgery

2567. **Meltzer HY, Fessler RG, Simonovic M, et al:** The effect of mescaline, 3, 4-dimethoxyphenethylamine and 2, 5-dimethoxy-4-methylamphetamine on rat plasma prolactin: evidence for serotonergic mediation. Life Sci 23(11):1185–92, 18 Sep 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ *AMPHETAMINES, pharmacodynamics/ ANIMAL/ *DIMETHOXYPHENYLETHYLAMINE, pharmacodynamics/ *DOM, pharmacodynamics/ MALE/ *MESCALINE, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ METHYSERGIDE, pharmacodynamics/ *PHENETHYLAMINES, pharmacodynamics/ *PROLACTIN, blood/ RATS/ *SEROTONIN, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2568. **Meltzer HY, Stanisic D, Simonovic M, et al:** Ketamine as an anesthetic for obtaining plasma for rat prolactin assays. Proc Soc Exp Biol Med 159(1):12–5, Oct 78
ANIMAL/ BLOOD SPECIMEN COLLECTION, methods/ CATHETERIZATION/ COMPARATIVE STUDY/ DRUG INTERACTIONS/ FLUOXETIN, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ *KETAMINE/ KETAMINE, pharmacodynamics/ MALE/ *PROLACTIN, blood/ PROLACTIN, secretion/ RATS/ RESERPINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2569. **Meme JS, Kimemiah SG, Oduori ML:** Hutchinson-Gilford progeria syndrome: report of a case presenting with hypertensive cerebrovascular disease. East Afr Med J 55(9):442–3, Sep 78
ADOLESCENCE/ CASE REPORT/ FEMALE/ HUMAN/ HYPERTENSION, complications/ KENYA/ *PROGERIA/ PROGERIA, complications/ PROGERIA, diagnosis

2570. **Menahan LA, Kemp RG:** The effect of several lymphocytotoxic agents on murine leukemogenesis. Life Sci 23(16):1687–92, 23 Oct 78
AGING/ ANIMAL/ AZATHIOPRINE, pharmacodynamics/ BODY WEIGHT, drug effects/ CORTISONE, pharmacodynamics/ DACARBAZINE, pharmacodynamics/ *LEUKEMIA, EXPERIMENTAL, physiopathology/ *LYMPHOCYTES, drug effects/ MALE/ MICE/ MICE, INBRED AKR/ MICE, INBRED ICR/ NEOPLASM TRANSPLANTATION/ SPLEEN, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2571. **Mende T, Hennig K, Wollny G, et al:** Experimentelle Untersuchungen über die Verteilung von intravenös injiziertem jodmarkiertem Cytonal (Diäthylstilböstroldiphosphat). Z Urol Nephrol 71(8):529–34, Aug 78 (Eng. Abstr.) **(Ger)**
ABDOMINAL WALL, analysis/ ADRENAL GLANDS, analysis/ ANIMAL/ *DIETHYLSTILBESTROL, administration & dosage/ DIETHYLSTILBESTROL, blood/ ENGLISH ABSTRACT/ INJECTIONS, INTRAVENOUS/ KIDNEY, analysis/ LIVER, analysis/ MALE/ PROSTATE, analysis/ RATS/ SEMINAL VESICLES, analysis/ TISSUE DISTRIBUTION

2572. **Mendeleev IM, Arkavina EA, Berliner GB, et al:** Dlitel'nye remissii v techenie ostrogo limfoblastnogo leikoza pri lechenii bol'nykh po programme Paris 06 LA66. Ter Arkh 50(7):14–7, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ CASE REPORT/ CHILD/ *DAUNOMYCIN, administration & dosage/ DRUG ADMINISTRATION SCHEDULE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ *MERCAPTOPURINE, administration & dosage/ *METHOTREXATE, administration & dosage/ *PREDNISOLONE, administration & dosage/ REMISSION/ TIME FACTORS/ *VINCRISTINE, administration & dosage

2573. **Mendelsohn G, Olson JL:** Pheochromocytomas [letter] Hum Pathol 9(5):607–8, Sep 78
*ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, secretion/ ADRENAL GLAND NEOPLASMS, ultrastructure/ *CELLULAR INCLUSIONS, secretion/ CELLULAR INCLUSIONS, ultrastructure/ HUMAN/ *PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, secretion/ PHEOCHROMOCYTOMA, ultrastructure

2574. **Mendelson BC, Woods JE:** Effect of corticosteroids on the surviving length of skin flaps in pigs. Br J Plast Surg 31(4):293–4, Oct 78
ANIMAL/ *GRAFT SURVIVAL, drug effects/ INJECTIONS, INTRAVENOUS/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, pharmacodynamics/ MICROCIRCULATION, drug effects/ SKIN, blood supply/ *SKIN, transplantation/ SWINE/ TRANSPLANTATION, AUTOLOGOUS

2575. **Mendelson JH, Ellingboe J, Kuehnle JC, et al:** Effects of chronic marihuana use on integrated plasma testosterone and luteinizing hormone levels. J Pharmacol Exp Ther 207(2):611–7, Nov 78
ADULT/ *CANNABIS/ HUMAN/ *LH, blood/ MALE/ *TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2576. **Merceron RE, Raymond JP, Courrèges JP, et al:** La sexualité chez les hyperprolactinémiques.
Probl Actuels Endocrinol Nutr (21):185–9, 1977 **(Fre)**
COMPARATIVE STUDY/ ESTRADIOL, blood/ FEMALE/ HUMAN/ MALE/ *PROLACTIN, blood/ *SEX DISORDERS, etiology/ TESTOSTERONE, blood

2577. **Meredith SC, Simon MA, Laros GS, et al:** Pycnodysostosis. A clinical, pathological, and ultramicroscopic study of a case. J Bone Joint Surg [Am] 60(8):1122–7, Dec 78
ADULT/ CASE REPORT/ DWARFISM, pathology/ *DWARFISM, radiography/ FEMALE/ *FINGERS, abnormalities/ FINGERS, pathology/ FINGERS, radiography/ HUMAN/ OSTEOPETROSIS, pathology/ *OSTEOPETROSIS, radiography/ STRESS, MECHANICAL/ SYNDROME/ TIBIAL FRACTURES, radiography

2578. **Messer J, de Geeter B:** Facteurs de la motricité du canal artériel. Pediatrie 33(8):811–8, Dec 78 **(Fre)**
DUCTUS ARTERIOSUS, embryology/ *DUCTUS ARTERIOSUS, physiology/ DUCTUS ARTERIOSUS, PATENT, drug therapy/ DUCTUS ARTERIOSUS, PATENT, embryology/ *DUCTUS ARTERIOSUS, PATENT, physiopathology/ HUMAN/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, therapeutic use/ INFANT, NEWBORN/ PREGNANCY/ PROSTAGLANDINS, administration & dosage/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ VASOCONSTRICTION

2579. **Mey J, Fedder W, Ilsemann K, et al:** Effect of prednisolone and D-penicillamine on toxin and LDL induced proliferative activity of ASMC of the Minipig. pp. 385–406.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.
ANIMAL/ AORTA, THORACIC, cytology/ *AORTA, THORACIC, drug effects/ ATHEROSCLEROSIS, prevention & control/ CELL NUMBER, drug effects/ FEMALE/ HUMAN/

*LIPOPROTEINS, LDL, pharmacodynamics/ *MITOSIS, drug effects/ MONOGRAPH/ MUSCLE, SMOOTH, cytology/ *MUSCLE, SMOOTH, drug effects/ *PENICILLAMINE, pharmacodynamics/ *PREDNISOLONE, pharmacodynamics/ *STAPHYLOCOCCAL TOXOID, pharmacodynamics/ SWINE/ TISSUE CULTURE

2580. **Meydani SN, Mathias MM, Schatte CL:** Dietary fat type and ambient oxygen tension influence pulmonary prostaglandin synthetic potential. Prostaglandins Med 1(3):241–9, Sep 78
ANIMAL/ ASPIRIN, pharmacodynamics/ *DIETARY FATS, pharmacodynamics/ FATTY ACIDS, UNSATURATED, pharmacodynamics/ LUNG, drug effects/ *LUNG, metabolism/ *OXYGEN, pharmacodynamics/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RATS

2581. **Meyer E, Scharf J, Miller B, et al:** Fundus lesions in rheumatoid arthritis. Ann Ophthalmol 10(11):1583–4, Nov 78
AGED/ *ARTHRITIS, RHEUMATOID, complications/ ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, drug therapy/ CASE REPORT/ FEMALE/ *FUNDUS OCULI/ HUMAN/ *PERICARDITIS, complications/ PERICARDITIS, drug therapy/ PREDNISONE, therapeutic use/ *RETINAL DISEASES, complications/ RETINAL DISEASES, drug therapy

2582. **Meyer JS, Bauer WC, Rao BR:** Subpopulations of breast carcinoma defined by S-phase fraction, morphology, and estrogen receptor content. Lab Invest 39(3):225–35, Sep 78
ADULT/ AGE FACTORS/ AGED/ AXILLA/ BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, metabolism/ *BREAST NEOPLASMS, pathology/ CARCINOMA, MUCINOUS, pathology/ CARCINOMA, PAPILLARY, pathology/ CELL CYCLE, drug effects/ ESTRADIOL, blood/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MENOPAUSE/ MENSTRUATION/ MIDDLE AGE/ NEOPLASM METASTASIS/ *RECEPTORS, ESTROGEN/ RECEPTORS, PROGESTERONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2583. **Meyer-Bahlburh HF:** Behavioral effects of estrogen treatment in human males. Pediatrics 62(6 Pt 2):1171–7, Dec 78
ADOLESCENCE/ ADULT/ CHILD/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY/ *PROGESTATIONAL HORMONES, therapeutic use/ PROSTATIC NEOPLASMS, chemically induced/ *SEX BEHAVIOR, drug effects/ SEX FACTORS/ SEX OFFENSES/ TRANSSEXUALISM

2584. **Meyers S, Janowitz HD:** The place of steroids in the therapy of toxic megacolon. Gastroenterology 75(4):729–31, Oct 78
ADRENAL CORTEX HORMONES, adverse effects/ *ADRENAL CORTEX HORMONES, therapeutic use/ CLINICAL RESEARCH/ COLECTOMY, mortality/ *COLITIS, ULCERATIVE, drug therapy/ CORTICOTROPIN, adverse effects/ CORTICOTROPIN, therapeutic use/ DRUG EVALUATION/ HUMAN/ INTESTINAL PERFORATION, chemically induced/ *MEGACOLON, TOXIC, drug therapy/ MEGACOLON, TOXIC, mortality/ MEGACOLON, TOXIC, surgery/ PLACEBOS/ REMISSION

2585. **Meyerson BA, Boëthius J, Carlsson AM:** Percutaneous central gray stimulation for cancer pain. Appl Neurophysiol 41(1–4):57–65, 1978
*BRAIN, physiology/ ELECTRODES, IMPLANTED/ *ELECTROTHERAPY, methods/ ENDORPHINS, cerebrospinal fluid/ FEMALE/ HUMAN/ *NEOPLASMS, complications/ *PAIN, INTRACTABLE, therapy

2586. **Miale T, Stenke L, Lindsten J, et al:** Iron malabsorption and hypochromic anemia in a case of Turner's syndrome. Experientia 34(9):1220, 15 Sep 78
ADULT/ ANEMIA, HYPOCHROMIC, complications/ *ANEMIA, HYPOCHROMIC, metabolism/ FEMALE/ HUMAN/ INTESTINAL ABSORPTION/ *IRON, metabolism/ TURNER'S SYNDROME, complications/ *TURNER'S SYNDROME, metabolism

2587. **Michailov R:** Persistenz von Geschlechtschromatin in Zellkernen innerer Oorgane bei Aufbewahrung unter verschiedenen Bendingungen (II). Beitr Gerichtl Med 36:525–7, 1978 (Eng. Abstr.) **(Ger)**
*CELL NUCLEUS, ultrastructure/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY, ultrastructure/ PANCREAS, ultrastructure/ POSTMORTEM CHANGES/ *PRESERVATION, BIOLOGICAL/ *SEX CHROMATIN, ultrastructure/ TRACHEA, ultrastructure

2588. **Michell AR:** Examination of factors which might influence ovine sodium preference during the oestrous cycle: food intake and oestrogens [proceedings] J Physiol (Lond) 282:41P–42P, Sep 78
ANIMAL/ *APPETITE/ APPETITE, drug effects/ *EATING/ ESTRADIOL, pharmacodynamics/ *ESTRUS/ FEMALE/ *SHEEP, physiology/ *SODIUM, metabolism

2589. **Miczák A, Juhász A:** Porphobilinogen-accumulation by a porphyrin auxotrophic strain of Bacillus subtilis. Experientia 34(9):1158, 15 Sep 78
AMANITINS, pharmacodynamics/ *BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEOXYADENOSINE, pharmacodynamics/ DNA, metabolism/ ORGAN CULTURE/ PROTEINS, metabolism/ PROTEOGLYCANS, metabolism/ RNA, metabolism/ TRANSCRIPTION, GENETIC, drug effects/ *TRETINOIN, antagonists & inhibitors/ *VITAMIN A, analogs & derivatives

2590. **Midgett RJ, Pelle-Day G, Pearson JE, et al:** Factors in human uremic serum that alter 25-hydroxycholecalciferol metabolism. Trans Am Soc Artif Intern Organs 24:55–60, 1978
ANIMAL/ BLOOD UREA NITROGEN/ CELLS, CULTURED/ CHICKENS/ CREATININE, blood/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, metabolism/ KIDNEY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREMIA, metabolism/ URIC ACID, blood

2591. **Migone M, Savi M:** Agenti mutageni: sistemi di relevamento e correlazioni clinico-patologiche. Recenti Prog Med 65(4):340–65, Oct 78 (87 ref.) (Eng. Abstr.) **(Ita)**
ABORTION, familial & genetic/ ANIMAL/ BACTERIA, drug effects/ CARCINOGENS, adverse effects/ CARCINOGENS, pharmacodynamics/ CELLS, CULTURED/ *CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ GENETICS, MICROBIAL/ *GONADS, drug effects/ HUMAN/ *MUTAGENS/ MUTAGENS, adverse effects/ MUTAGENS, pharmacodynamics/ PREGNANCY/ REVIEW/ STERILITY, familial & genetic

2592. **Mikami S, Tokado H, Farner DS:** The hypothalamic neurosecretory systems of the Japanese quail as revealed by retrograde transport of horseradish peroxidase. Cell Tissue Res 194(1):1–15, 9 Nov 78
ANIMAL/ AXONS, metabolism/ AXOPLASMIC FLOW/ *COTURNIX, anatomy & histology/ FEMALE/ HISTOCYTOCHEMISTRY/ *HORSERADISH PEROXIDASE, metabolism/ *HYPOTHALAMUS, anatomy & histology/ MALE/ MEDIAN EMINENCE, ultrastructure/ *NEURONS, cytology/ *NEUROSECRETORY SYSTEMS, anatomy & histology/ PARAVENTRICULAR NUCLEUS, ultrastructure/ *PEROXIDASES, metabolism/ *QUAIL, anatomy & histology/ SUPRAOPTIC NUCLEUS, ultrastructure

2593. **Mikhaĭlenko OT, Chernega MIa:** Henerativna funktsiia u zhinok, khvorykh na miasteniiu (ohliad literatury). Pediatr Akush Ginekol (5):57–9, Sep-Oct 78 **(Ukr)**
ADULT/ CESAREAN SECTION/ ESTROGENS, urine/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, therapy/ LABOR COMPLICATIONS, physiopathology/ MENSTRUATION DISORDERS, physiopathology/ MYASTHENIA GRAVIS, congenital/ *MYASTHENIA GRAVIS, physiopathology/ MYASTHENIA GRAVIS, therapy/ PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY TOXEMIAS, physiopathology/ PREGNANCY/ PUERPERAL DISORDERS, physiopathology/

*REPRODUCTION/ THYMUS GLAND, physiopathology/ THYMUS HYPERPLASIA, physiopathology/ UTERUS, physiopathology

2594. **Mikhaĭlov IuM, Gudkova AV, Belousova NA, et al:** Otsenka éffektivnosti profilaktiki éndemicheskogo zoba v Sverdlovskoĭ oblasti. Sov Med (11):102–5, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, ENDEMIC, prevention & control/ GOITER, NODULAR, prevention & control/ HUMAN/ MALE/ RUSSIAN FEDERATION (ASIA)/ URBAN POPULATION

2595. **Mikhaĭlova LN, Shtin VP:** Ob osobennostiakh regeneratsii pri distraktsii kostnykh otlomkov. Arkh Patol 40(8):50–6, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BONE AND BONES, ultrastructure/ BONE LENGTHENING/ *BONE REGENERATION/ DOGS/ ENDOPLASMIC RETICULUM, ultrastructure/ ENGLISH ABSTRACT/ FIBROBLASTS, ultrastructure/ MICROSCOPY, ELECTRON/ OSTEOBLASTS, ultrastructure/ TIBIA, surgery/ TIBIA, ultrastructure/ TRACTION

2596. **Mikkelsen E, Andersson KE, Pedersen OL:** The effect of nifedipine on isolated human peripheral vessels.
Acta Pharmacol Toxicol (Copenh) 43(4):291–8, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ARTERIES, drug effects/ CALCIUM, metabolism/ EVOKED POTENTIALS, drug effects/ FEMALE/ HUMAN/ IPROVERATRIL, pharmacodynamics/ MALE/ MIDDLE AGE/ MUSCLE CONTRACTION, drug effects/ MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ *NIFEDIPINE, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, pharmacodynamics/ POTASSIUM, antagonists & inhibitors/ POTASSIUM, pharmacodynamics/ *PYRIDINES, pharmacodynamics/ *VEINS, drug effects

2597. **Miklós B, van Wijhe M, Schoot HC, et al:** Sympathikus húgyhólyag paraganglioma két esete.
Morphol Igazsagugyi Orv Sz 18(4):271–6, Oct 78 (Eng. Abstr.) **(Hun)**
BLADDER NEOPLASMS, analysis/ *BLADDER NEOPLASMS, ultrastructure/ BLADDER, ultrastructure/ CASE REPORT/ CHROMAFFIN GRANULES, ultrastructure/ ENGLISH ABSTRACT/ EPITHELIUM, ultrastructure/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PARAGANGLIOMA, NONCHROMAFFIN, analysis/ *PARAGANGLIOMA, NONCHROMAFFIN, ultrastructure

2598. **Mikolajkow AT:** Basic isotope thyroid parameters in Zambia.
Med J Zambia 11(6):158–9, Dec–Jan 78
BINDING SITES/ HUMAN/ *IODINE RADIOISOTOPES, metabolism/ NORMAL VALUES/ PROTEIN-BOUND IODINE TEST/ *THYROID GLAND, metabolism/ THYROID HORMONES, metabolism/ THYROXINE, blood/ TIME FACTORS/ ZAMBIA

2599. **Mikolajkow IA, Kibukamusoke JW:** Normal values in adult Zambians. X. Serum follicle stimulating hormone (FSH) in normal Zambian males and females in the reproductive period of life; estimation by the radioimmunoassay kit.
Med J Zambia 12(2):55–6, Apr–May 78
ADULT/ FEMALE/ *FSH, blood/ HUMAN/ MALE/ NORMAL VALUES/ *RADIOIMMUNOASSAY/ *REAGENT KITS, DIAGNOSTIC/ ZAMBIA

2600. **Milazzo SC:** Chondrocalcinosis and other crystal induced arthropathies. Aust NZ J Med 8 Suppl 1:152–4, 1978
ADULT/ AGED/ *CALCIUM PYROPHOSPHATE, metabolism/ CALCIUM, metabolism/ *CHONDROCALCINOSIS/ CHONDROCALCINOSIS, etiology/ CHONDROCALCINOSIS, metabolism/ CHRONIC DISEASE/ CRYSTALLIZATION/ HUMAN/ HYDROXYAPATITES, metabolism/ *JOINT DISEASES/ JOINT DISEASES, etiology/ MIDDLE AGE/ *PYROPHOSPHATES, metabolism

2601. **Milbradt R, Linzbach P, Feller H:** In-vitro-Stimulation der Spermatozoenmotilität durch ein deproteinisiertes Hämoderivat und durch luteinisierendes Hormon (LH).
Hautarzt 29(12):652–6, Dec 78 (Eng. Abstr.) **(Ger)**
*ACTIHAEMYL, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ *LH, pharmacodynamics/ MALE/ *SPERM MOTILITY, drug effects/ STIMULATION, CHEMICAL/ *TISSUE EXTRACTS, pharmacodynamics

2602. **Milewich L, Gomez-Sanchez C, MacDonald P, et al:** Radioimmunoassay of androstenedione: the steroid molecule as a probe for antibody specificity. J Steroid Biochem 6(10):1381–7, Oct 75
*ANDROSTENEDIONE, analysis/ ANTIBODIES/ CROSS REACTIONS/ HAPTENS/ RABBITS, immunology/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2603. **Milewicz A:** An attempt at evaluating magnesium metabolism during experimental hypercortisolaemia in rabbits and during Cushing's disease treated surgically by bilateral epinephrectomy. Mater Med Pol 10(3):214–7, Jul–Sep 78
ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ CUSHING'S SYNDROME, blood/ *CUSHING'S SYNDROME, metabolism/ CUSHING'S SYNDROME, therapy/ DISEASE MODELS, ANIMAL/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ MAGNESIUM, blood/ *MAGNESIUM, metabolism/ MALE/ RABBITS

2604. **Milhaud G, Labat ML:** Thymus and osteopetrosis.
Clin Orthop (135):260–71, Sep 78 (63 ref.)
ANIMAL/ BONE AND BONES, pathology/ BONE MARROW, transplantation/ FEMALE/ HUMAN/ INFANT/ MICE/ OSTEOPETROSIS, congenital/ OSTEOPETROSIS, pathology/ *OSTEOPETROSIS, physiopathology/ OSTEOPETROSIS, therapy/ PARABIOSIS/ RATS/ REVIEW/ THYMUS GLAND, pathology/ *THYMUS GLAND, physiopathology/ THYMUS GLAND, surgery/ THYMUS GLAND, transplantation/ TRANSPLANTATION, HOMOLOGOUS

2605. **Millar JL, Blackett NM, Hudspith BN:** Enhanced post-irradiation recovery of the haemopoietic system in animals pretreated with a variety of cytotoxic agents.
Cell Tissue Kinet 11(5):543–53, Sep 78
ANIMAL/ *ANTINEOPLASTIC AGENTS, pharmacodynamics/ *COBALT RADIOISOTOPES/ COLONY-FORMING UNITS ASSAY/ *ENDOTOXINS, pharmacodynamics/ FEMALE/ FEMUR/ *HEMATOPOIETIC SYSTEM, drug effects/ HEMATOPOIETIC SYSTEM, radiation effects/ MALE/ MICE/ *NANDROLONE, pharmacodynamics/ *NUCLEOSIDES, pharmacodynamics/ SALMONELLA TYPHI

2606. **Miller R, Kurtz SM, Powers JM:** Mediastinal rhabdomyoma.
Cancer 42(4):1983–8, Oct 78
ADENOCARCINOMA, pathology/ ADENOMA, pathology/ AGED/ CASE REPORT/ COMPARATIVE STUDY/ HEART NEOPLASMS, ultrastructure/ HUMAN/ MALE/ MEDIASTINAL NEOPLASMS, embryology/ *MEDIASTINAL NEOPLASMS, ultrastructure/ MICROSCOPY, ELECTRON/ MYOFIBRILS, ultrastructure/ NEOPLASM METASTASIS/ NEOPLASMS, MULTIPLE PRIMARY, pathology/ PARATHYROID NEOPLASMS, pathology/ RHABDOMYOMA, embryology/ *RHABDOMYOMA, ultrastructure/ STOMACH NEOPLASMS, pathology/ THYMUS GLAND, embryology

2607. **Miller RJ, Cuatrecasas P:** The enkephalins. Peptides with morphine-like activity. Naturwissenschaften 65(10):507–14, Oct 78 (44 ref.)
ANIMAL/ BRAIN CHEMISTRY/ BRAIN, metabolism/ *ENDORPHINS/ ENDORPHINS, physiology/ *ENKEPHALINS/ ENKEPHALINS, pharmacodynamics/ ENKEPHALINS, physiology/ HYPOPHYSECTOMY/ INTESTINES, metabolism/ MALE/ MUSCLE CONTRACTION, drug effects/ ORGAN SPECIFICITY/ RATS/ RECEPTORS, NARCOTIC, metabolism/ REVIEW/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ VAS DEFERENS, metabolism

2608. **Miller T:** Intrauterine diagnosis of fetal disease by x-ray.
J Natl Med Assoc 70(11):875–6, Nov 78
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ *FETAL DISEASES,

radiography/ HUMAN/ *OSTEOGENESIS IMPERFECTA, radiography/ PREGNANCY/ *PRENATAL DIAGNOSIS

2609. **Milligan SR:** The feedback of exogenous steroids on LH release and ovulation in the intact female vole (Microtus agrestis). J Reprod Fertil 54(2):309–11, Nov 78
ANIMAL/ ESTRADIOL, pharmacodynamics/ FEEDBACK/ FEMALE/ LH, blood/ *LH, secretion/ *OVULATION/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ *RODENTS, physiology/ SECRETORY RATE, drug effects/ *VOLES, physiology

2610. **Millonig G, Morano E, Bollero E, et al:** Ultrastructural study of gonads in the complete and incomplete feminization syndrome. Gynecol Obstet Invest 9(1):16–31, 1978
ADOLESCENCE/ ADULT/ CELL NUCLEUS, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ HUMAN/ LEYDIG CELLS, ultrastructure/ MALE/ MITOCHONDRIA, ultrastructure/ SEMINIFEROUS TUBULES, ultrastructure/ SERTOLI CELLS, ultrastructure/ *TESTICULAR FEMINIZATION, pathology/ *TESTIS, ultrastructure

2611. **Mills JL, Bongiovanni AM:** Effect of prenatal estrogen exposure on male genitalia. Pediatrics 62(6 Pt 2):1160–65, Dec 78
*ABNORMALITIES, DRUG-INDUCED/ DIETHYLSTILBESTROL, adverse effects/ DIETHYLSTILBESTROL, therapeutic use/ *ESTROGENS/ ESTROGENS, therapeutic use/ ETHINYL ESTRADIOL, adverse effects/ ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ *GENITALIA, MALE, pathology/ HUMAN/ MALE/ *MATERNAL-FETAL EXCHANGE/ PREGNANCY/ RISK/ SEX FACTORS

2612. **Milmore JE:** Influence of ovarian hormones on prolactin release in the rhesus monkey. Biol Reprod 19(3):593–6, Oct 78
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MONKEYS/ *OVARY, physiology/ PIMOZIDE, pharmacodynamics/ *PROLACTIN, blood/ RHESUS MONKEYS/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2613. **Milton AS:** The role of prostaglandins in pyrexia. Biochem Soc Trans 6(4):727–31, 1978
ACETAMINOPHEN, pharmacodynamics/ ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ *BODY TEMPERATURE, drug effects/ *PROSTAGLANDINS, pharmacodynamics

2614. **Mimran A, Leckie BJ, Fourcade JC, et al:** Blood pressure, renin-angiotensin system and urinary kallikrein in a case of juxtaglomerular cell tumor. Am J Med 65(3):527–36, Sep 78
ACEBUTOLOL, diagnostic use/ ADULT/ ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ *ANGIOTENSIN II, secretion/ BLOOD PRESSURE, drug effects/ CASE REPORT/ FEMALE/ HALF-LIFE/ HUMAN/ *HYPERTENSION, etiology/ *KALLIKREIN, urine/ KIDNEY NEOPLASMS, blood/ *KIDNEY NEOPLASMS, physiopathology/ KIDNEY NEOPLASMS, secretion/ RENIN, blood/ *RENIN, secretion/ SARALASIN, diagnostic use

2615. **Mineo T, Yamasita O, Matsuoka K, et al:** [The mechanism of enhancement in the anti-inflammatory activity of synthetic glucocorticoids--a comparative study of the metabolic fate of synthetic glucocorticoids (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(8):939–48, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *ANTI-INFLAMMATORY AGENTS, metabolism/ BETAMETHASONE, metabolism/ COMPARATIVE STUDY/ DEXAMETHASONE, metabolism/ ENGLISH ABSTRACT/ *GLUCOCORTICOIDS, SYNTHETIC, metabolism/ MALE/ RATS/ TISSUE DISTRIBUTION

2616. **Minette A:** Chronische behandeling met corticoïden bij respiratoire aandoeningen. Rev Inst Hyg Mines (Hasselt) 32(2):51–75, 1977 (134 ref.) (Eng. Abstr.) **(Dut)**
AEROSOLS/ ASTHMA, drug therapy/ BECLOMETHASONE, therapeutic use/ BRONCHITIS, drug therapy/ CHEMISTRY/ CHRONIC DISEASE/ COLLAGEN DISEASES, drug therapy/ CORTICOTROPIN, adverse effects/ CORTICOTROPIN, secretion/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, SYNTHETIC, administration & dosage/ GLUCOCORTICOIDS, SYNTHETIC, adverse effects/ *GLUCOCORTICOIDS, SYNTHETIC, therapeutic use/ HUMAN/ LUNG DISEASES, OBSTRUCTIVE, drug therapy/ *RESPIRATORY TRACT DISEASES, drug therapy/ REVIEW/ SARCOIDOSIS, drug therapy/ TIME FACTORS

2617. **Minns RJ, Flynn M:** Intra-articular implant of filamentous carbon fibre in the experimental animal. J Bioeng 2(3–4):279–86, Jun 78
ANIMAL/ BONE AND BONES, pathology/ BONE AND BONES, surgery/ BONE MATRIX, pathology/ *CARBON/ CARTILAGE, ARTICULAR, pathology/ CARTILAGE, ARTICULAR, surgery/ COLLAGEN, analysis/ *JOINT PROSTHESIS, methods/ MICROSCOPY, ELECTRON, SCANNING/ RABBITS

2618. **Mintz Y, Amir Y, Amsterdam A, et al:** Properties of LH-sensitive adenylate cyclase in purified plasma membranes from rat ovary. Mol Cell Endocrinol 11(3):265–83, Sep 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ FEMALE/ HYDROGEN-ION CONCENTRATION/ *LH, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ *OVARY, enzymology/ RATS/ UNITED STATES GOV'T SUPPORTED

2619. **Mir MA, Delamore IW:** Metabolic disorders in acute myeloid leukaemia. Br J Haematol 40(1):79–92, Sep 78
AMINOACIDURIA, RENAL, etiology/ FLUDROCORTISONE, adverse effects/ GLYCOSURIA, RENAL, etiology/ HUMAN/ LEUKEMIA, MYELOBLASTIC, complications/ *LEUKEMIA, MYELOBLASTIC, metabolism/ MAGNESIUM, blood/ *METABOLIC DISEASES, etiology/ OSMOLAR CONCENTRATION/ PROTEINURIA, etiology/ WATER-ELECTROLYTE IMBALANCE, etiology

2620. **Miralles García JM, Mellado Sánchez C, Corrales Hernández JJ:** Influencia de la 6-metil-prednisolona en la respuesta de la TSH a la TRH. Rev Clin Esp 150(5):235–7, 15 Sep 78 **(Spa)**
HUMAN/ *METHYLPREDNISOLONE, pharmacodynamics/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL/ *THYROID GLAND, drug effects/ *THYROTROPIN RELEASING HORMONE, secretion/ *THYROTROPIN, secretion

2621. **Mirre C, Stahl A:** Peripheral RNA synthesis of fibrillar center in nucleoli of Japanese quail oocytes and somatic cells. J Ultrastruct Res 64(3):377–87, Sep 78
ANIMAL/ CELL NUCLEOLUS, analysis/ CELL NUCLEOLUS, metabolism/ CELL NUCLEOLUS, ultrastructure/ *COTURNIX, physiology/ DACTINOMYCIN, metabolism/ DNA, analysis/ MODELS, BIOLOGICAL/ NUCLEOPROTEINS, analysis/ *OOCYTES, metabolism/ *OVARY, cytology/ *OVUM, metabolism/ *QUAIL, physiology/ *RNA, biosynthesis

2622. **Mirzoian SA, Boroian RG:** O vliianii prostaglandinov na émbrional'nyĭ miokard.. Farmakol Toksikol 41(6):683–6, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
CELLS, CULTURED/ CHICK EMBRYO/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ *HEART RATE, drug effects/ *HEART, embryology/ *MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, analysis/ ORGAN CULTURE/ PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RECEPTORS, PROSTAGLANDIN, analysis

2623. **Mischler TW, Corson SL, Larranaga A, et al:** Cephradine and epicillin in body fluids of lactating and pregnant women. J Reprod Med 21(3):130–6, Sep 78
*AMNIOTIC FLUID, metabolism/ *AMPICILLIN, analogs & derivatives/ *CEPHALOSPORINS, metabolism/ CEPHRADINE, blood/ *CEPHRADINE,

metabolism/ EPICILLIN, blood/ *EPICILLIN, metabolism/ FEMALE/ HUMAN/ LACTATION/ *MILK, HUMAN, metabolism/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

2624. **Mishell DR Jr:** Selection and pretreatment evaluation of patients treated with human menopausal gonadotropins. J Reprod Med 21(3 Suppl):191–3, Sep 78
AMENORRHEA, drug therapy/ AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ ANOVULATION, complications/ *CLOMIPHENE, therapeutic use/ FEMALE/ HUMAN/ *MENOTROPINS, therapeutic use/ *OVULATION INDUCTION, methods/ *STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology

2625. **Mishell RI, Bradley LM, Chen YU, et al:** Inhibition of steroid-induced immune suppression by adjuvant stimulated accessory cells. J Reticuloendothel Soc 24(4):439–47, Oct 78 (10 ref.)
*ADJUVANTS, IMMUNOLOGIC, pharmacodynamics/ ANIMAL/ DEXAMETHASONE, pharmacodynamics/ *GLUCOCORTICOIDS, pharmacodynamics/ *IMMUNOSUPPRESSION/ INFLAMMATION, physiopathology/ LIPOPOLYSACCHARIDES, pharmacodynamics/ MICE/ PEPTIDOGLYCAN, pharmacodynamics/ REVIEW/ *SPLEEN, immunology/ T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2626. **Miskowiak J:** How the lower oesophageal sphincter affects submucosal oesophageal varices. Lancet 2(8103):1284–5, 16 Dec 78
BLOOD PRESSURE, drug effects/ ESOPHAGEAL VARICES, drug therapy/ *ESOPHAGEAL VARICES, etiology/ *ESOPHAGOGASTRIC JUNCTION, blood supply/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ *HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ LIVER CIRRHOSIS, physiopathology/ PORTAL VEIN, physiopathology/ VASOPRESSINS, therapeutic use/ VENA CAVA, INFERIOR, physiopathology

2627. **Mitani H, Chikamori K, Tezuka U, et al:** Serum alpha-1 antitrypsin levels in thyroid disease. Tokushima J Exp Med 25(1–2):43–6, Jul 78
*ALPHA 1-ANTITRYPSIN, blood/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood

2628. **Mitani M, Otøke N:** Studies on the ionophorous antibiotics. XVI. The ionophore-mediated calcium transport and concomitant osmotic swelling of mitochondria. J Antibiot (Tokyo) 31(9):888–93, Sep 78
ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ IN VITRO/ *IONOPHORES, pharmacodynamics/ MAGNESIUM, metabolism/ MALE/ *MITOCHONDRIA, metabolism/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ *MITOCHONDRIAL SWELLING, drug effects/ RATS

2629. **Mitchell MD, Clover L, Thorburn GD, et al:** Specific change in the direction of prostaglandin synthesis by intra-uterine tissues of the rhesus monkey (Macaca mulatta) during late pregnancy. J Endocrinol 78(3):343–50, Sep 78
ANIMAL/ FEMALE/ IN VITRO/ *MACACA, metabolism/ MONKEYS/ PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROSTAGLANDINS E, biosynthesis/ *PROSTAGLANDINS F, biosynthesis/ *RHESUS MONKEYS, metabolism/ SECRETORY RATE/ *UTERUS, metabolism

2630. **Mitchell MD, Bibby JG, Hicks BR, et al:** Thromboxane B2 and human parturition: concentrations in the plasma and production in vitro. J Endocrinol 78(3):435–41, Sep 78
FEMALE/ HUMAN/ IN VITRO/ *LABOR/ PLACENTA, metabolism/ PRE-ECLAMPSIA, metabolism/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY/ THROMBOXANE B2, biosynthesis/ *THROMBOXANE B2, blood/ *THROMBOXANES, blood

2631. **Mitchell MD, Hicks BR, Thorburn GD, et al:** Production of thromboxane B2 by the intra-uterine tissues from late pregnant Rhesus monkeys (Macaca mulatta) in vitro. J Endocrinol 79(1):103–6, Oct 78
AMNION, metabolism/ ANIMAL/ CHORION, metabolism/ COMPARATIVE STUDY/ DECIDUA, metabolism/ FEMALE/ IN VITRO/ *MACACA, metabolism/ MONKEYS/ MYOMETRIUM, metabolism/ *PLACENTA, metabolism/ PREGNANCY/ *PREGNANCY, ANIMAL/ *RHESUS MONKEYS, metabolism/ *THROMBOXANE B2, biosynthesis/ *THROMBOXANES, biosynthesis

2632. **Mitchell MD, Lucas A, Whitfield M, et al:** Selective elevation of circulating prostaglandin concentrations in hyaline membrane disease in pre-term infants. Prostaglandins Med 1(3):207–12, Sep 78
HUMAN/ *HYALINE MEMBRANE DISEASE, blood/ INFANT, NEWBORN/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, blood

2633. **Mitchell MD:** A sensitive radioimmunoassay for 6-keto-prostaglandin F1alpha: preliminary observations on circulating concentrations. Prostaglandins Med 1(1):13–21, Jul 78
ANIMAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ FEMALE/ HUMAN/ MALE/ METHODS/ MONKEYS/ *PROSTAGLANDINS F, blood/ *PROSTAGLANDINS X, blood/ *PROSTAGLANDINS, blood/ RABBITS/ RADIOIMMUNOASSAY/ RHESUS MONKEYS/ SHEEP

2634. **Mitchell MD, Ellwood DA, Anderson AB, et al:** Elevated concentrations of 6-keto-prostaglandin F1alpha in fetal and maternal plasma and in amniotic fluid during ovine parturition. Prostaglandins Med 1(3):265–6, Sep 78
*AMNIOTIC FLUID, metabolism/ ANIMAL/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ *FETAL BLOOD, metabolism/ *LABOR/ LABOR, drug effects/ PREGNANCY/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS F, metabolism/ SHEEP, blood/ *SHEEP, metabolism

2635. **Mitra C, Guha SR:** Inhibition of monoamine oxidation in subfractions of crude mitochondria of rat brain by clorgyline and Lilly 51641. Biochem Pharmacol 27(20):2455–7, 1978
ANIMAL/ BRAIN, drug effects/ *BRAIN, enzymology/ *CLORGYLINE, pharmacodynamics/ *CYCLOPROPANES, pharmacodynamics/ IN VITRO/ MALE/ MITOCHONDRIA, drug effects/ *MITOCHONDRIA, enzymology/ *MONOAMINE OXIDASE INHIBITORS/ PHENYL ETHERS, pharmacodynamics/ *PROPYLAMINES, pharmacodynamics/ RATS/ SEROTONIN, metabolism/ SUBCELLULAR FRACTIONS, enzymology/ TYRAMINE, metabolism

2636. **Mitsuma T, Wanibe H, Nogi M:** [T4 radioimmunoassay using a solid phase method--evaluation of Spak T4 RIA Kit] Horumon To Rinsho 26(11):1225–9, Nov 78 **(Jpn)**
FEMALE/ HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ *THYROXINE, blood

2637. **Miyamoto M, Inoue K, Kimura H, et al:** [Determination of blood thyroxine values using RIA-gnost T4] Horumon To Rinsho 26(11):1237–42, Nov 78 **(Jpn)**
HUMAN/ *RADIOIMMUNOASSAY, methods/ *REAGENT KITS, DIAGNOSTIC, standards/ *THYROXINE, blood

2638. **Miyamoto Y:** [Plasma renin activity in essential hypertension with respect to aging, hypertension severity and furosemide test (author's transl)] Nippon Naika Gakkai Zasshi 67(10):1224–33, 10 Oct 78 **(Jpn)**
ADULT/ AGED/ *AGING/ COMPARATIVE STUDY/ DIET, SALT-FREE/ EXERTION/ FEMALE/ *FUROSEMIDE, diagnostic use/ HUMAN/ *HYPERTENSION, blood/ MALE/ MIDDLE AGE/ *RENIN, blood/ SEX FACTORS

2639. **Miyazaki E, Yabu H, Sunano S, et al:** Calcium movement in the process of isotonic K-induced contracture of guinea pig taenia coli. Nippon Heikatsukin Gakkai Zasshi 14 Suppl:13–4, Feb 78
ANIMAL/ BINDING SITES/ *CALCIUM, metabolism/ COLON/ GUINEA PIGS/ ISOTONIC SOLUTIONS/ *MUSCLE CONTRACTION/

MUSCLE CONTRACTION, drug effects/ *POTASSIUM, pharmacodynamics

2640. **Miyazaki M, Takayasu S, Karakawa T, et al:** Activity of testosterone 5alpha-reductase in the hair follicles of women with polycystic ovaries. J Endocrinol 78(3):445-6, Sep 78
FEMALE/ *HAIR, metabolism/ HIRSUTISM, metabolism/ HUMAN/ *OXIDOREDUCTASES, metabolism/ *STEIN-LEVENTHAL SYNDROME, metabolism/ *TESTOSTERONE 5-ALPHA-REDUCTASE, metabolism/ TESTOSTERONE, blood

2641. **Miyazaki T:** [Studies on the purification and the immunological properties of LATS-immunoglobulin (author's transl] Nippon Naibunpi Gakkai Zasshi 54(7):815-28, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, AGAROSE/ ENGLISH ABSTRACT/ HUMAN/ *IGG, analysis/ IMMUNOGLOBULINS, FAB, analysis/ IMMUNOGLOBULINS, FC, analysis/ *LONG-ACTING THYROID STIMULATOR, isolation & purification/ MICE/ PAPAIN

2642. **Miyazaki T, Araki Y:** [Calcium and phosphorus metabolism disorders in Cushing's syndrome and Addison's disease] Nippon Rinsho 36(10):3385-91, Oct 78 **(Jpn)**
*ADDISON'S DISEASE, complications/ ANIMAL/ *CALCIUM METABOLISM DISORDERS, etiology/ *CUSHING'S SYNDROME, complications/ GLUCOCORTICOIDS, physiology/ HUMAN/ *PHOSPHORUS METABOLISM DISORDERS, etiology/ RATS

2643. **Miyazawa K, Motoyoshi S, Usui K:** Nodular goiters of three mares and their foals, induced by feeding excessive amount of seaweed. Nippon Juigaku Zasshi 40(6):749-53, Dec 78
*ANIMAL FEED, adverse effects/ ANIMAL/ CASE REPORT/ FEMALE/ GOITER, NODULAR, etiology/ *GOITER, NODULAR, veterinary/ *HORSE DISEASES, etiology/ HORSES/ IODINE, poisoning/ MALE/ *SEAWEED

2644. **Mlot C, Prahlad KV, Hampel A:** Amino acid and thyroid hormone transport systems in Xenopus laevis. Dev Biol 67(1):65-72, Nov 78
*AMINO ACIDS, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ EMBRYO, NON-MAMMALIAN/ FEMALE/ MALE/ OUABAIN, pharmacodynamics/ SODIUM, pharmacodynamics/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

2645. **Moawad AH, Kim MH, Zuspan, et al:** Effects of progesterone on the adrenergic mechanisms of the genital tract. Ann NY Acad Sci 286:287-303, 11 Mar 77
ANIMAL/ ELECTRIC STIMULATION/ EPINEPHRINE, metabolism/ ESTROGENS, blood/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FALLOPIAN TUBES, drug effects/ *FALLOPIAN TUBES, innervation/ FALLOPIAN TUBES, metabolism/ FEMALE/ HUMAN/ IN VITRO/ MODELS, BIOLOGICAL/ NOREPINEPHRINE, metabolism/ PROGESTERONE, blood/ *PROGESTERONE, pharmacodynamics/ RABBITS/ *SYMPATHETIC NERVOUS SYSTEM, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, drug effects/ *UTERUS, innervation/ UTERUS, metabolism

2646. **Mochizuki M, Honda T, Deguchi M, et al:** A study on the effect of dehydroepiandrosterone sulfate on so-called cervical ripening. Acta Obstet Gynecol Scand 57(5):397-401, 1978
*CERVIX UTERI, drug effects/ DEHYDROEPIANDROSTERONE, administration & dosage/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INJECTIONS, INTRAVENOUS/ *LABOR/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

2647. **Mogenson GJ, Kucharczyk J:** Central neural pathways for angiotensin-induced thirst. Fed Proc 37(13):2683-8, Nov 78
ACTION POTENTIALS, drug effects/ ANGIOTENSIN II, metabolism/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ BRAIN MAPPING/ DRINKING, drug effects/ *HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, metabolism/ NEURAL PATHWAYS, drug effects/ *PREOPTIC AREA, metabolism/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ *THIRST, drug effects

2648. **Moguilevsky L, Scacchi P, Szwarcfarb B, et al:** L-dopa y prolactina plasmática en el cáncer y displasia mamarios. Medicina (B Aires) 38(1):27-30, Jan-Feb 78 (Eng. Abstr.) **(Spa)**
ADULT/ *BREAST DISEASES, blood/ *BREAST NEOPLASMS, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LEVODOPA, pharmacodynamics/ MIDDLE AGE/ *PROLACTIN, blood/ PROLACTIN, secretion/ RADIOIMMUNOASSAY

2649. **Mohamed NC, Cardenas A, Villasanta U, et al:** Hilus cell tumor of the ovary and endometrial carcinoma. Obstet Gynecol 52(4):486-90, Oct 78
ADENOCARCINOMA, blood/ *ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ AGED/ CASE REPORT/ ENDOMETRIOSIS, blood/ *ENDOMETRIOSIS, complications/ ENDOMETRIOSIS, pathology/ ESTRADIOL, blood/ FEMALE/ HUMAN/ LEYDIG CELL TUMOR, blood/ *LEYDIG CELL TUMOR, complications/ LEYDIG CELL TUMOR, pathology/ OVARIAN NEOPLASMS, blood/ *OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology/ PROGESTERONE, blood/ RADIOIMMUNOASSAY/ TESTOSTERONE, blood

2650. **Mohanty S, Dey PK, Sen PC, et al:** Accumulation of serotonin in human cerebral contusion. Neurol India 26(2):68-70, Jun 78
BRAIN CHEMISTRY/ *BRAIN EDEMA, metabolism/ *BRAIN INJURIES, ACUTE, metabolism/ *CONTUSIONS, metabolism/ HUMAN/ *SEROTONIN, analysis

2651. **Mohanty S, Mazumdar S:** Role of serotonin in human cerebral oedema and contusion. Indian J Med Res 67:1029-32, Jun 78
*BRAIN CHEMISTRY/ *BRAIN EDEMA, metabolism/ *BRAIN INJURIES, ACUTE, metabolism/ *CONTUSIONS, metabolism/ HUMAN/ *SEROTONIN, analysis

2652. **Molinari PF, Neri LL:** Effect of a single oral dose of oxymetholone on the metabolism of human erythrocytes. Exp Hematol 6(8):648-54, Sep 78
ADENOSINE TRIPHOSPHATE, blood/ ADMINISTRATION, ORAL/ ADULT/ ANDROGENS, blood/ CHROMATOGRAPHY, THIN LAYER/ DIPHOSPHOGLYCERIC ACIDS, blood/ ERYTHROCYTES, enzymology/ *ERYTHROCYTES, metabolism/ FEMALE/ FRUCTOSEDIPHOSPHATES, blood/ GLYCOLYSIS, drug effects/ HUMAN/ LACTATES, blood/ MALE/ OXYMETHOLONE, administration & dosage/ *OXYMETHOLONE, pharmacodynamics/ SUGAR PHOSPHATES, blood/ 17-HYDROXYSTEROID DEHYDROGENASES, blood

2653. **Molinatti GM, Massara F, Isaia GC:** Impiego dei 'releasing-hormones' nella diagnostica endocrinologica. Minerva Med 69(49):3373-86, 17 Oct 78 (Eng. Abstr.) **(Ita)**
ACROMEGALY, diagnosis/ *ENDOCRINE DISEASES, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ HYPOGONADISM, diagnosis/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ KLINEFELTER'S SYNDROME, diagnosis/ *LH-FSH RELEASING HORMONE, diagnostic use/ THYROID DISEASES, diagnosis/ *THYROTROPIN RELEASING HORMONE, diagnostic use

2654. **Moncada S, Vane JR:** Prostacyclin, platelet aggregation, and thrombosis. pp. 239-58.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (119 ref.)
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ ASPIRIN, pharmacodynamics/ CATTLE/ DOGS/ GUINEA PIGS/ HEMOSTASIS/ HUMAN/ MONOGRAPH/ PEROXIDES, metabolism/ *PLATELET AGGREGATION/

PROSTAGLANDIN ENDOPEROXIDES, metabolism/ PROSTAGLANDINS F, metabolism/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ RATS/ REVIEW/ *THROMBOSIS, blood/ THROMBOXANE A2, metabolism/ VASODILATION

2655. **Moncada S, Ferreira SH, Vane JR:** Bioassay of prostaglandins and biologically active substances derived from arachidonic acid. Adv Prostaglandin Thromboxane Res 5:211–36, 1978
ANIMAL/ *ARACHIDONIC ACIDS, analysis/ ARACHIDONIC ACIDS, isolation & purification/ ARACHIDONIC ACIDS, pharmacodynamics/ BIOLOGICAL ASSAY, instrumentation/ BIOLOGICAL ASSAY, methods/ DRUG ANTAGONISM/ HUMAN/ IN VITRO/ METHODS/ ORGAN SPECIFICITY/ PERFUSION, instrumentation/ PERFUSION, methods/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, isolation & purification

2656. **Moncrief JW, Nolph KD, Rubin J, et al:** Additional experience with continuous ambulatory peritoneal dialysis (CAPD). Trans Am Soc Artif Intern Organs 24:476–83, 1978
ADULT/ AGED/ BLOOD UREA NITROGEN/ CHILD/ CREATININE, blood/ FEMALE/ HEMATOCRIT/ HUMAN/ MALE/ METABOLIC CLEARANCE RATE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ *PERITONEAL DIALYSIS/ SERUM ALBUMIN/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2657. **Moncrieff MW, Brenton DP, Arthur LJ:** Case of tumour rickets. Arch Dis Child 53(9):740–5, Sep 78
BONE NEOPLASMS, blood/ *BONE NEOPLASMS, complications/ CASE REPORT/ CHILD/ *FIBROMA, complications/ HUMAN/ MALE/ PHOSPHATES, blood/ PHOSPHATES, therapeutic use/ RICKETS, drug therapy/ *RICKETS, etiology/ VITAMIN D, therapeutic use

2658. **Monden Y:** [Thymic diseases treated in surgical clinic (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(9):688–92, Sep 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHATIC DISEASES, surgery/ MALE/ MEDIASTINAL NEOPLASMS, surgery/ MIDDLE AGE/ MYASTHENIA GRAVIS, surgery/ THYMECTOMY/ *THYMUS GLAND/ THYMUS NEOPLASMS, surgery

2659. **Mondino BJ, Brown SI, Mondzelewski JP:** Peripheral corneal ulcers with herpes zoster ophthalmicus. Am J Ophthalmol 86(5):611–4, Nov 78
ADENOCARCINOMA, complications/ ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ CASE REPORT/ CORNEAL ULCER, drug therapy/ *CORNEAL ULCER, etiology/ *HERPES ZOSTER, OCULAR, complications/ HERPES ZOSTER, OCULAR, drug therapy/ HERPES ZOSTER, OCULAR, pathology/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, complications/ LUNG NEOPLASMS, complications/ MALE/ MIDDLE AGE/ OPHTHALMIC SOLUTIONS, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UVEITIS, complications

2660. **Monta-Hernandez F, Munoz-Arizpe R, Gordillo-Paniagua G:** Renal emergencies in children. Paediatrician 7(4–5):222–38, 1978
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ DIURETICS, therapeutic use/ *EMERGENCIES/ HUMAN/ HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENAL, drug therapy/ INFANT/ *KIDNEY DISEASES, diagnosis/ KIDNEY FAILURE, ACUTE, diagnosis/ KIDNEY FAILURE, ACUTE, etiology/ KIDNEY FAILURE, ACUTE, therapy/ KIDNEY FAILURE, CHRONIC, diagnosis/ KIDNEY FAILURE, CHRONIC, etiology/ KIDNEY FAILURE, CHRONIC, therapy/ NEPHROTIC SYNDROME, complications/ NEPHROTIC SYNDROME, drug therapy

2661. **Montemagno U, Nappi C, Gravina E:** Dosaggio radioimmunologico della prolattina e correlazioni ormonali nella gravidanza a termine ed in puerperio. Arch Ostet Ginecol 81(1–3):23–36, Jan–Jun 76 (Eng. Abstr.) **(Ita)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *PLACENTAL LACTOGEN, analysis/ *PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PROLACTIN, analysis/ *PUERPERIUM/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, analysis

2662. **Montemagno U, Nappi C, Gravina E:** Valutazione radioimmunologica dei parametri ormonali nella stimolazione ed inibizione della lattogenesi. Arch Ostet Ginecol 81(1–3):37–57, Jan–Jun 76 (Eng. Abstr.) **(Ita)**
ADULT/ ARGININE, pharmacodynamics/ ENGLISH ABSTRACT/ ERGOCRYPTINE, pharmacodynamics/ FEMALE/ HUMAN/ INSULIN, pharmacodynamics/ *LACTATION/ LACTONES, pharmacodynamics/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PROLACTIN, analysis/ PUERPERIUM/ RADIOIMMUNOASSAY/ *SOMATOTROPIN, analysis/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ *THYROTROPIN, analysis

2663. **Mookherjee S, Obeid A, Warner R, et al:** Systemic and pulmonary hemodynamic effects of saralasin infusion in hypertension. Predictability of plasma renin status from hemodynamic changes. Am J Cardiol 42(6):987–92, Dec 78
ADULT/ AGED/ *ANGIOTENSIN II, analogs & derivatives/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ EVALUATION STUDIES/ FEMALE/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, diagnosis/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ *PULMONARY CIRCULATION, drug effects/ *RENIN, blood/ SARALASIN, administration & dosage/ *SARALASIN, diagnostic use/ UNITED STATES GOV'T SUPPORTED/ VASCULAR RESISTANCE, drug effects

2664. **Moor BC, YoungLai EV:** Effects of anesthesia, rapid blood sampling and castration on testosterone and luteinizing hormone levels in the adult male rabbit. J Steroid Biochem 6(11–12):1527–30, Nov–Dec 75
ANIMAL/ BLOOD SPECIMEN COLLECTION/ *CASTRATION/ *LH, blood/ MALE/ PENTOBARBITAL, pharmacodynamics/ RABBITS/ *TESTOSTERONE, blood

2665. **Moore DM, Singh MM, Buckingham MS, et al:** Serum-prolactin in female infertility. Lancet 2(8102):1243–5, 9 Dec 78
ADENOMA, blood/ ADENOMA, diagnosis/ ADULT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ PITUITARY NEOPLASMS, blood/ PITUITARY NEOPLASMS, diagnosis/ *PROLACTIN, blood/ *STERILITY, FEMALE, blood/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, drug therapy/ 2-BROMOERGOCRYPTINE, therapeutic use

2666. **Moore ES, Chung EE, Cevallos EE, et al:** Renal phosphate clearance in fetal lambs. Pediatr Res 12(11):1066–9, Nov 78
ANIMAL/ CALCIUM, administration & dosage/ EXTRACELLULAR SPACE, metabolism/ EDTA, administration & dosage/ FEMALE/ *GLOMERULAR FILTRATION RATE/ GLOMERULAR FILTRATION RATE, drug effects/ HEMODILUTION/ *KIDNEY TUBULES, metabolism/ PARATHYROID HORMONE, administration & dosage/ PARATHYROID HORMONE, blood/ *PHOSPHATES, blood/ PREGNANCY/ SHEEP

2667. **Moore PK, Hoult JR:** Experimental hyperthyroidism in rats suppresses in vitro prostaglandin metabolism in lung and kidney. Prostaglandins 16(3):335–49, Sep 78
ANIMAL/ BODY WEIGHT, drug effects/ CYTOPLASM, enzymology/ CYTOPLASM, metabolism/ HYDROXYPROSTAGLANDIN DEHYDROGENASES, metabolism/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, metabolism/ KIDNEY, enzymology/ *KIDNEY, metabolism/ LUNG, enzymology/ *LUNG, metabolism/ MALE/ NAD, metabolism/ ORGAN WEIGHT, drug effects/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, metabolism/ RATS/

THYROXINE, administration & dosage/ THYROXINE, blood

2668. **Moossa AR, Hall TJ, Hughes RG, et al:** Porto-systemic gradient of immunoreactive parathyroid hormone in man. J Surg Res 25(5):445-8, Nov 78
ABDOMEN/ *ABDOMINAL NEOPLASMS, blood/ ABDOMINAL NEOPLASMS, diagnosis/ APUD CELLS, secretion/ HUMAN/ IMMUNOLOGIC TECHNICS/ LIVER, metabolism/ *PANCREATIC NEOPLASMS, blood/ PANCREATIC NEOPLASMS, diagnosis/ PARATHYROID HORMONE, biosynthesis/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, immunology/ *PORTAL VEIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2669. **Moran MJ, Gilbert HR:** Speaking fundamental frequency characteristics of institutionalized adults with Down's syndrome. Am J Ment Defic 83(3):248-52, Nov 78
ADULT/ AGE FACTORS/ *DOWN'S SYNDROME, complications/ FEMALE/ *HOSPITALS, PSYCHIATRIC/ HUMAN/ LARYNX, growth & development/ MALE/ MIDDLE AGE/ PUBERTY/ SPECTRUM ANALYSIS/ *SPEECH/ *VOICE QUALITY/ *VOICE

2670. **Moratinos J, Ellis S:** Efecto hiperglucemiante y acción glicogenolítica de las catecolaminas.
Arch Farmacol Toxicol 4(2):189-210, Aug 78 **(Spa)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADRENERGIC RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ *CARBOHYDRATES, metabolism/ *CATECHOLAMINES, pharmacodynamics/ CATS/ COMPARATIVE STUDY/ DOGS/ ENZYME ACTIVATION/ GUINEA PIGS/ *HYPERGLYCEMIA, chemically induced/ INSULIN, secretion/ *LIVER GLYCOGEN, metabolism/ LIVER, enzymology/ RABBITS/ RATS

2671. **Mordes JP, Wacker WE:** Excess magnesium.
Pharmacol Rev 29(4):273-300, Dec 77 (471 ref.)
ANIMAL/ BLOOD COAGULATION, drug effects/ BONE AND BONES, drug effects/ ELECTROLYTES, metabolism/ ENDOCRINE GLANDS, drug effects/ FEMALE/ HEART, drug effects/ HOMEOSTASIS/ HUMAN/ HYPOTENSION, chemically induced/ INTESTINAL ABSORPTION/ KIDNEY DISEASES, drug therapy/ KIDNEY, drug effects/ MAGNESIUM, blood/ MAGNESIUM, metabolism/ *MAGNESIUM, poisoning/ NERVOUS SYSTEM, drug effects/ PREGNANCY TOXEMIAS, drug therapy/ PREGNANCY/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, drug effects

2672. **Morel G, Deschaux P, Claustrat B, et al:** Etude des modifications quantitatives des cellules somatotropes hypophysaires de rat après thymectomie. Action opothérapique de substitution à l'aide d'un extrait thymique.
Experientia 34(11):1525-7, 15 Nov 78 (Eng. Abstr.) **(Fre)**
ANIMAL/ ENGLISH ABSTRACT/ MALE/ *PITUITARY GLAND, ultrastructure/ RATS/ *SOMATOTROPIN, metabolism/ *THYMECTOMY

2673. **Moreno Berthier J, Gómez-Pérez FJ:** Hipertiroidismo apático: presentación de un caso y breve revisión de la literatura.
Rev Invest Clin 30(4):379-83, Oct-Dec 78 (Eng. Abstr.) **(Spa)**
ADULT/ CACHEXIA, complications/ CACHEXIA, diagnosis/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HEART DISEASES, complications/ HEART DISEASES, diagnosis/ HUMAN/ HYPERTHYROIDISM, complications/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, diagnosis

2674. **Moretti G, Cardo P, Rampini E, et al:** Testosterone metabolism in basal cell epitheliomas. J Invest Dermatol 71(6):361-2, Dec 78
AGED/ ANDROSTANEDIOL, metabolism/ ANDROSTENEDIOLS, metabolism/ *CARCINOMA, BASAL CELL, metabolism/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OXIDOREDUCTASES, metabolism/ *SKIN NEOPLASMS, metabolism/ *SKIN, metabolism/ *TESTOSTERONE, metabolism

2675. **Morgan EJ, Zwillich CW:** The obesity-hypoventilation syndrome. West J Med 129(5):387-93, Nov 78 (53 ref.)
APNEA, etiology/ HUMAN/ HYPERSOMNIA, physiopathology/ HYPOVENTILATION, etiology/ HYPOVENTILATION, physiopathology/ *PICKWICKIAN SYNDROME/ PICKWICKIAN SYNDROME, diagnosis/ PICKWICKIAN SYNDROME, physiopathology/ PICKWICKIAN SYNDROME, therapy/ PROGESTERONE, therapeutic use/ PROLAPSE/ REVIEW/ TONGUE DISEASES, complications/ TRACHEOTOMY

2676. **Morgan MR, Kerr EJ, Dean PD:** Electrophoretic desorption: preparative elution of steroid specific antibodies from immunoadsorbents. J Steroid Biochem 9(8):767-70, Aug 78
*ANTIBODIES, isolation & purification/ ELECTROPHORESIS, POLYACRYLAMIDE GEL, methods/ *ESTRADIOL, analogs & derivatives/ ESTRADIOL, immunology/ GLUCURONATES, immunology/ IMMUNOSORBENTS/ SERUM ALBUMIN, BOVINE

2677. **Mori H, Nagai H, Koda A:** [Effect of alpha-mercaptopropionylglycine (alpha-MPG) and sodium dipropylacetate (DPA) on antibody formation (II). Immunosuppression induced by carcinostatic agents and glucocorticoid (author's transl)]
Nippon Yakurigaku Zasshi 74(6):653-61, Sep 78 (Eng. Abstr.) **(Jpn)**
*AMINO ACIDS, SULFUR, pharmacodynamics/ ANIMAL/ *ANTIBODY FORMATION, drug effects/ *ANTINEOPLASTIC AGENTS, antagonists & inhibitors/ ENGLISH ABSTRACT/ HEMOLYTIC PLAQUE TECHNIC/ *IMMUNOSUPPRESSION/ LEUKOPENIA, chemically induced/ MALE/ *MERCAPTOPROPIONYLGLYCINE, pharmacodynamics/ MICE/ *PREDNISOLONE, antagonists & inhibitors/ *VALPROATE, pharmacodynamics

2678. **Mori H, Fukunishi R, Fujii M, et al:** Stereological analysis of Reinke's crystals in human Leydig cells.
Virchows Arch [Pathol Anat] 380(1):1-9, 18 Oct 78
ADULT/ AGE FACTORS/ AGED/ HUMAN/ *LEYDIG CELLS, ultrastructure/ MALE/ MATHEMATICS/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ PROSTATIC NEOPLASMS, ultrastructure/ STERILITY, MALE, pathology/ TESTOSTERONE, blood

2679. **Mori KF, Wood RJ, Hum VG, et al:** Acylation of amino groups in human chorionic gonadotropin with acid anhydrides.
Mol Cell Endocrinol 11(3):285-92, Sep 78
ACYLATION/ ANHYDRIDES/ *GONADOTROPINS, CHORIONIC/ HUMAN

2680. **Mori M, Cohen PP:** Antipain inhibits thyroxine-induced synthesis of carbamyl phosphate synthetase I in tadpole liver.
Proc Natl Acad Sci USA 75(11):5339-43, Nov 78
ANIMAL/ ARGINASE, biosynthesis/ CARBAMATES, pharmacodynamics/ *CARBAMYL PHOSPHATE SYNTHASE (AMMONIA), biosynthesis/ ENZYME INDUCTION, drug effects/ FROGS/ KINETICS/ LEUPEPTINS, pharmacodynamics/ *LIVER, enzymology/ *OLIGOPEPTIDES, pharmacodynamics/ ORNITHINE CARBAMOYLTRANSFERASE, biosynthesis/ PEPSTATINS, pharmacodynamics/ *PHOSPHOTRANSFERASES, ATP, biosynthesis/ *PROTEASE INHIBITORS, pharmacodynamics/ RANA CATESBEIANA/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2681. **Moriarty CM, Leuschen MP, Campbell GT:** Variations in the response of enzyme-dissociated rat pituitary cells to thyrotropin releasing hormone. Life Sci 23(20):2073-8, 13 Nov 78
ANIMAL/ CELL SEPARATION, methods/ CELLS, CULTURED/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, cytology/ *PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, metabolism/ PROLACTIN, metabolism/ RATS/ *THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, metabolism/ TRYPSIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2682. **(Moricard R), Palmer R:** René Moricard: 1904-1977.
J Gynecol Obstet Biol Reprod (Paris) 7(4):761-4, May-Jun 78 **(Fre)**

CURRENT BIOG-OBIT/ CYTOLOGY, history/ ENDOCRINOLOGY, history/ FRANCE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

2683. **Morigi EM, Pasquale SA:** Clinical experience with a low dose oral contraceptive containing norethisterone and ethinyl oestradiol. Curr Med Res Opin 5(8):655–62, 1978
ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ BODY WEIGHT, drug effects/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, COMBINED/ CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ ETHINYL ESTRADIOL, adverse effects/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MENSTRUATION DISORDERS, chemically induced/ MENSTRUATION, drug effects/ MIDDLE AGE/ NORETHINDRONE, adverse effects/ *NORETHINDRONE, pharmacodynamics/ PATIENT DROPOUTS/ PREGNANCY

2684. **Morii H, Okamoto S, Inoue T, et al:** [Calcitonin and Ca and P metabolism] Nippon Rinsho 36(10):3324–9, Oct 78 (22 ref.) **(Jpn)**
ADULT/ ANIMAL/ BONE AND BONES, metabolism/ *CALCITONIN, physiology/ CALCITONIN, secretion/ *CALCIUM, metabolism/ GASTRINS, diagnostic use/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MIDDLE AGE/ *PHOSPHORUS, metabolism/ REVIEW

2685. **Morii H, Ogura F:** [Calcium metabolism disorder in sarcoidosis] Nippon Rinsho 36(10):3398–403, Oct 78 **(Jpn)**
CALCIUM, metabolism/ HUMAN/ *HYPERCALCEMIA, etiology/ *SARCOIDOSIS, complications/ SARCOIDOSIS, metabolism

2686. **Morimoto I:** [Abnormality of sex hormone and pituitary-gonadal axis in liver disease (author's transl)] Nippon Naika Gakkai Zasshi 67(6):580–90, 10 Jun 78 **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ FEEDBACK/ FSH, blood/ HUMAN/ *LIVER DISEASES, physiopathology/ LH, blood/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ *SEX HORMONES, blood/ *TESTIS, physiopathology

2687. **Morimoto S, Matsumura Y, Abe R, et al:** Effects of 3-amino,1,2,4-triazole on plasma renin activity and renal peroxisomal enzymes in rats. Jpn J Pharmacol 28(5):793–6, Oct 78
*AMITROLE, pharmacodynamics/ ANIMAL/ *KIDNEY, enzymology/ MALE/ MICROBODIES, drug effects/ *MICROBODIES, enzymology/ *ORGANOIDS, enzymology/ POTASSIUM, blood/ RATS/ *RENIN, blood/ SODIUM, blood/ *TRIAZOLES, pharmacodynamics

2688. **Morishita H, Nakago K, Miyauchi Y, et al:** The effect of glycine on serum luteinizing hormone in adult female rats. Experientia 34(9):1231–2, 15 Sep 78
ANIMAL/ BLOOD-BRAIN BARRIER/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ GLYCINE, metabolism/ *GLYCINE, pharmacodynamics/ *LH, blood/ RATS/ STIMULATION, CHEMICAL

2689. **Morita I, Murota SI:** Prostaglandin-synthesizing system in rat liver. Eur J Biochem 90(3):441–9, 16 Oct 78
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ CHROMATOGRAPHY, GAS/ CYTOSOL, physiology/ KINETICS/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ PHOSPHOLIPIDS, biosynthesis/ PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS, biosynthesis/ RATS/ SPECTRUM ANALYSIS, MASS

2690. **Morkin E:** Stimulation of cardiac myosin adenosine triphosphatase in thyrotoxicosis. Circ Res 44(1):1–7, Jan 79 (50 ref.)
ACTIN, pharmacodynamics/ ACTIN, physiology/ *ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, physiology/ ANIMAL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION/ HALF-LIFE/ *HYPERTHYROIDISM, enzymology/ HYPERTHYROIDISM, physiopathology/ MYOCARDIAL CONTRACTION/ *MYOCARDIUM, enzymology/ *MYOSIN, metabolism/ MYOSIN, physiology/ PAPILLARY MUSCLES, enzymology/ PROTEIN CONFORMATION/ REVIEW/ THYROIDECTOMY/ THYROXINE, physiology

2691. **Morley J:** Prostaglandins and lymphokines in inflammation. Rheumatol Rehabil Suppl:18–24, 1978 (41 ref.)
ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARTHRITIS, RHEUMATOID, metabolism/ HUMAN/ *INFLAMMATION, metabolism/ LYMPHOCYTES, metabolism/ *LYMPHOKINES, metabolism/ LYMPHOKINES, physiology/ *PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, physiology/ REVIEW

2692. **Mormède P, Dantzer R:** Pituitary--adrenal influences on avoidance behavior of pigs. Horm Behav 10(3):285–97, Jun 78
ANIMAL/ *AVOIDANCE LEARNING, drug effects/ CORTICOTROPIN, administration & dosage/ *CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/ *PITUITARY-ADRENAL SYSTEM, physiology/ SWINE

2693. **Morris BJ:** Properties of the activation by pepsin of inactive renin in human amniotic fluid. Biochim Biophys Acta 527(1):86–97, 10 Nov 78
*AMNIOTIC FLUID, enzymology/ CHROMATOGRAPHY, AFFINITY/ CONCANAVALIN A/ ENZYME ACTIVATION/ FEMALE/ HUMAN/ KIDNEY, enzymology/ KINETICS/ MOLECULAR WEIGHT/ *PEPSIN, metabolism/ PREGNANCY/ RENIN, isolation & purification/ *RENIN, metabolism/ SEPHAROSE

2694. **Morris CD:** Data sheets and lactation [letter] Br Med J 2(6149):1435–6, 18 Nov 78
*DRUG LABELING/ FEMALE/ HUMAN/ *LACTATION, drug effects/ PREGNANCY

2695. **Morris PJ, Oliver D, Bishop M, et al:** Results from a new renal transplantation unit. Lancet 2(8104–5):1353–6, 23–30 Dec 78
ADOLESCENCE/ ADULT/ AZATHIOPRINE, administration & dosage/ BLOOD TRANSFUSION/ CHILD/ ENGLAND/ FOLLOW-UP STUDIES/ GRAFT SURVIVAL/ HEMODIALYSIS/ HISTOCOMPATIBILITY TESTING/ HUMAN/ KIDNEY FAILURE, CHRONIC, mortality/ KIDNEY FAILURE, CHRONIC, surgery/ *KIDNEY, transplantation/ MIDDLE AGE/ PREDNISOLONE, administration & dosage/ PREOPERATIVE CARE/ *SURGICENTERS, standards/ TIME FACTORS/ TISSUE PRESERVATION, methods/ TRANSPLANTATION, ALLOGENEIC/ TRANSPLANTATION, ISOGENEIC

2696. **Morris SJ, Greenwald RA, Barkin JS:** Asymptomatic esophageal perforation. Am J Gastroenterol 70(4):379–82, Oct 78
CASE REPORT/ DEGLUTITION DISORDERS, etiology/ *DEGLUTITION DISORDERS, therapy/ DIAGNOSIS, DIFFERENTIAL/ DILATATION, adverse effects/ *ESOPHAGEAL PERFORATION, diagnosis/ ESOPHAGEAL PERFORATION, radiography/ HUMAN/ IATROGENIC DISEASE/ MALE/ MIDDLE AGE/ *THYROIDECTOMY, adverse effects

2697. **Morrison AR, Moritz H, Needleman P:** Mechanism of enhanced renal prostaglandin biosynthesis in ureter obstruction. Role of de novo protein synthesis. J Biol Chem 253(22):8210–2, 25 Nov 78
ANIMAL/ BIOLOGICAL ASSAY/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ PERFUSION/ *PROSTAGLANDINS E, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *PROTEINS, biosynthesis/ RABBITS/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *URETER, physiology

2698. **Morton JJ, Kelly P, Padfield PL:** Antidiuretic hormone in bronchogenic carcinoma. Clin Endocrinol (Oxf) 9(4):357–70, Oct 78
CARCINOMA, BRONCHOGENIC, blood/

*CARCINOMA, BRONCHOGENIC, metabolism/ CARCINOMA, OAT CELL, blood/ CARCINOMA, OAT CELL, metabolism/ CHROMATOGRAPHY, AFFINITY/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ LUNG NEOPLASMS, blood/ *LUNG NEOPLASMS, metabolism/ MALE/ NEOPLASM METASTASIS/ SODIUM, blood/ VASOPRESSINS, blood/ VASOPRESSINS, isolation & purification/ *VASOPRESSINS, metabolism

2699. **Moss BW, Robb JD:** The effect of preslaughter lairage on serum thyroxine and cortisol levels at slaughter, and meat quality of boars, hogs and gilts. J Sci Food Agric 29(8):689-96, Aug 78
ABATTOIRS/ ANIMAL/ COMPARATIVE STUDY/ *HYDROCORTISONE, blood/ *MEAT/ NUTRITIVE VALUE/ SWINE/ *THYROXINE, blood

2700. **Moss IR, Friedman E:** beta-Endorphin: effects on respiratory regulation. Life Sci 23(12):1271-6, 25 Sep 78
ANIMAL/ CARBON DIOXIDE, pharmacodynamics/ DOGS/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/ MALE/ NALOXONE, pharmacodynamics/ *RESPIRATION, drug effects

2701. **Mouriño A, Blair P, Wecksler W, et al:** Studies on vitamin D (calciferol) and its analogues. 15. 24-Nor-1alpha,25-dihydroxyvitamin D3 and 24-nor-25-hydroxy-5,6-trans-vitamin D3. J Med Chem 21(10):1025-9, Oct 78
ANIMAL/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CHICKENS/ CHOLECALCIFEROLS, antagonists & inhibitors/ *DIHYDROXYCHOLECALCIFEROLS, chemical synthesis/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, chemical synthesis/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ MALE/ RICKETS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2702. **Moussaoui D:** Biochimie de la dépression. Analyse de la littérature. Encephale 4(3):193-222, 1978 (173 ref.) (Eng. Abstr.) **(Fre)**
ADRENAL CORTEX HORMONES, metabolism/ ANIMAL/ ANTIDEPRESSIVE AGENTS, TRICYCLIC, therapeutic use/ BRAIN, drug effects/ BRAIN, metabolism/ DEPRESSION, drug therapy/ *DEPRESSION, metabolism/ DOPAMINE, metabolism/ ENGLISH ABSTRACT/ HUMAN/ LITHIUM, therapeutic use/ MONOAMINE OXIDASE INHIBITORS, therapeutic use/ NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ PROBENECID, pharmacodynamics/ RESERPINE, pharmacodynamics/ REVIEW/ SEROTONIN, metabolism/ SYNAPSES, physiology/ THYROID HORMONES, therapeutic use/ TRYPTOPHAN, metabolism/ WATER-ELECTROLYTE IMBALANCE, metabolism

2703. **Mowad JJ, Konvolinka CW:** Torsion of undescended testis. Urology 12(5):567-8, Nov 78
CASE REPORT/ CHILD/ *CRYPTORCHISM, surgery/ HUMAN/ INFANT/ MALE/ *SPERMATIC CORD TORSION, surgery

2704. **Mowry RW:** Aldehyde fuchsin staining, direct or after oxidation: problems and remedies, with special reference to human pancreatic B cells, pituitaries, and elastic fibers. Stain Technol 53(3):141-54, May 78 (47 ref.)
ALDEHYDES/ BASOPHILS, analysis/ CYTOPLASMIC GRANULES, analysis/ ELASTIC TISSUE, analysis/ *FUCHSIN, diagnostic use/ HUMAN/ HYDROGEN-ION CONCENTRATION/ NEUROSECRETION/ PANCREAS, analysis/ PITUITARY GLAND, analysis/ REVIEW/ *ROSANILINE DYES, diagnostic use/ *STAINS AND STAINING/ TEMPERATURE

2705. **Mroueh A, Salti I:** Partial hypopituitarism in a patient with a pituitary stone. Clin Endocrinol (Oxf) 9(5):479-82, Nov 78
ADOLESCENCE/ *CALCINOSIS, complications/ CALCINOSIS, metabolism/ CASE REPORT/ FEMALE/ HUMAN/ *HYPOPITUITARISM, etiology/ *INFANTILISM, etiology/ *PITUITARY DISEASES, complications/ PROLACTIN, secretion/ SOMATOTROPIN, secretion

2706. **Muechler EK, Grove S, Kohler D:** Steroid hormones in ovarian vein and cyst fluid of a virilizing stromal tumor. Obstet Gynecol 52(5):609-12, Nov 78
ADULT/ ANTIGENS/ *ARRHENOBLASTOMA, metabolism/ CASE REPORT/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ HUMAN/ *OVARIAN CYSTS, metabolism/ *OVARIAN NEOPLASMS, metabolism/ OVARIAN NEOPLASMS, pathology/ *OVARY, blood supply/ PROGESTERONE, metabolism/ *SEX HORMONES, metabolism/ *STANOLONE, metabolism/ TESTOSTERONE, immunology/ TESTOSTERONE, metabolism/ VEINS

2707. **Muehrcke RC, Kofman S:** The use of IV corticosteroids in renal disease. J Am Assoc Nephrol Nurses Tech 5(3):129-40, 1978
*ADRENAL CORTEX HORMONES, administration & dosage/ HUMAN/ INJECTIONS, INTRAVENOUS/ *KIDNEY DISEASES, drug therapy/ STRUCTURE-ACTIVITY RELATIONSHIP

2708. **Mueller D, Stoehr B Jr, Phernetton T, et al:** The effects of indomethacin and meclofenamate on estrogen induced vasodilation in the rabbit uterus. Proc Soc Exp Biol Med 159(1):25-9, Oct 78
ANIMAL/ *ANTHRANILIC ACIDS, pharmacodynamics/ ESTRADIOL ANTAGONISTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *INDOMETHACIN, pharmacodynamics/ KIDNEY, blood supply/ *MECLOFENAMIC ACID, pharmacodynamics/ PROSTAGLANDINS, physiology/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, blood supply/ VASCULAR RESISTANCE, drug effects/ *VASODILATION, drug effects

2709. **Muir CS, Nectoux J:** Ovarian cancer; some epidemiological features. World Health Stat Q 31(1):51-61, 1978 **(Eng, Fre)**
AGE FACTORS/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, etiology/ OVARIAN NEOPLASMS, mortality/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ RURAL POPULATION/ TRANSIENTS AND MIGRANTS/ URBAN POPULATION

2710. **Mukherjee BN, Das SK, Malhotra KC, et al:** Placental enzyme polymorphism among Maharashtrians: alkaline phosphatase and lactate dehydrogenase. Ann Hum Biol 5(5):435-40, Sep 78
*ALKALINE PHOSPHATASE, genetics/ ALLELES/ *CAUCASOID RACE/ FEMALE/ GENE FREQUENCY/ HUMAN/ INDIA/ ISOENZYMES, genetics/ *LACTATE DEHYDROGENASE, genetics/ PHENOTYPE/ *PLACENTA, enzymology/ *POLYMORPHISM (GENETICS)/ PREGNANCY

2711. **Mukherjee TK, Polavarapu TD, Shea B, et al:** Amniotic fluid prolactin. NY State J Med 78(14):2165-7, Dec 78
ADOLESCENCE/ ADULT/ *AMNIOTIC FLUID, analysis/ FEMALE/ FETAL MONITORING/ FETUS, growth & development/ GESTATIONAL AGE/ HUMAN/ *LUNG, embryology/ *PHOSPHATIDYLCHOLINES, analysis/ PREGNANCY/ *PROLACTIN, analysis/ RESPIRATORY DISTRESS SYNDROME, diagnosis/ *SPHINGOMYELINS, analysis

2712. **Mukhtar H, Philpot RM, Bend JR:** The postnatal development of microsomal epoxide hydrase, cytosolic glutathione S-transferase, and mitochondrial and microsomal cytochrome P-450 in adrenals and ovaries of female rats. Drug Metab Dispos 6(5):577-83, Sep-Oct 78
*ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, growth & development/ ANIMAL/ *CYTOCHROME P-450, metabolism/ CYTOSOL, enzymology/ *EPOXIDE HYDRATASES, metabolism/ FEMALE/ *GLUTATHIONE TRANSFERASES, metabolism/ IN VITRO/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ *OVARY, enzymology/ OVARY, growth & development/ RATS/ SUBCELLULAR FRACTIONS, enzymology

2713. **Mulder E, Peters MJ, de Vries J, et al:** Androgen receptor specificity and growth response of a human cell line (NHIK 3025). Mol Cell Endocrinol 11(3):309-23, Sep 78

CARCINOMA, metabolism/ *CELL LINE/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ FEMALE/ HUMAN/ NEOPLASMS, EXPERIMENTAL, metabolism/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ STEROIDS, metabolism/ UTERINE NEOPLASMS, metabolism

2714. **Mulley G, Wilcox RG, Mitchell JR:** Dexamethasone in acute stroke. Br Med J 2(6143):994–6, 7 Oct 78
ACUTE DISEASE/ CEREBROVASCULAR DISORDERS, blood/ CEREBROVASCULAR DISORDERS, cerebrospinal fluid/ *CEREBROVASCULAR DISORDERS, drug therapy/ CLINICAL RESEARCH/ DEXAMETHASONE, administration & dosage/ *DEXAMETHASONE, therapeutic use/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ INJECTIONS, INTRAMUSCULAR/ MALE/ POTASSIUM, blood/ RANDOM ALLOCATION/ TIME FACTORS

2715. **Mundy GR:** Calcium and cancer. Life Sci 23(17–18):1735–44, 30 Oct 78 (66 ref.)
ANIMAL/ BONE NEOPLASMS, complications/ BONE RESORPTION, metabolism/ *CALCIUM, metabolism/ HYPERCALCEMIA, etiology/ HYPOCALCEMIA, metabolism/ NEOPLASM METASTASIS/ *NEOPLASMS, metabolism/ OSTEOCLASTS, metabolism/ PARATHYROID HORMONE, physiology/ PROSTAGLANDINS, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2716. **Munro DS, Dirmikis SM, Humphries H, et al:** The role of thyroid stimulating immunoglobulins of Graves's disease in neonatal thyrotoxicosis. Br J Obstet Gynaecol 85(11):837–43, Nov 78
FEMALE/ FETAL BLOOD, analysis/ *GOITER, EXOPHTHALMIC, complications/ GOITER, EXOPHTHALMIC, immunology/ HUMAN/ *HYPERTHYROIDISM, congenital/ *IGG, analysis/ INFANT, NEWBORN/ *LONG-ACTING THYROID STIMULATOR, blood/ MATERNAL-FETAL EXCHANGE/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

2717. **Munro HN:** Hormones and the metabolic response to injury [editorial] N Engl J Med 300(1):41–2, 4 Jan 79
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ HUMAN/ *INSULIN, pharmacodynamics/ MUSCLE PROTEINS, metabolism/ *PROTEINS, metabolism/ RATS/ *WOUNDS AND INJURIES, metabolism

2718. **Murakami S, Sakakibara K, Yamada A, et al:** [Dystrophia myotonica associated with thymoma—2 autopsy cases] Nippon Rinsho 36(8):3037–8, Aug 78 **(Jpn)**
CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ MUSCLES, ultrastructure/ *MYOTONIA ATROPHICA, complications/ *THYMOMA, complications/ *THYMUS NEOPLASMS, complications

2719. **Murota S, Abe M:** Stimulatory effect of prostaglandins on the production of hexosamine-containing substances by cultured fibroblasts (4) adenosine 3':5'-cyclic monophosphate independent stimulation by prostaglandin F2alpha. Prostaglandins 16(3):389–96, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CELLS, CULTURED/ COMPARATIVE STUDY/ *DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FIBROBLASTS, metabolism/ *HEXOSAMINES, biosynthesis/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ RATS

2720. **Murphy DL, Campbell IC, Costa JL:** The brain serotonergic system in the affective disorders. Prog Neuropsychopharmacol 2(1):5–31, 1978 (197 ref.)
P-CHLOROPHENYLALANINE, pharmacodynamics/ AFFECTIVE DISTURBANCES, metabolism/ *AFFECTIVE DISTURBANCES, physiopathology/ ANIMAL/ BRAIN CHEMISTRY/ BRAIN, metabolism/ *BRAIN, physiopathology/ HUMAN/ HYDROXYTRYPTOPHAN, pharmacodynamics/ NEURAL TRANSMISSION/ PSYCHOSES, MANIC-DEPRESSIVE, physiopathology/ RECEPTORS, SEROTONIN, physiology/ REVIEW/ SEROTONIN, analysis/ SEROTONIN, metabolism/ *SEROTONIN, physiology/ TRYPTOPHAN, pharmacodynamics

2721. **Murray BL, Wilcox LJ:** Testicular self-examination. Am J Nurs 78(12):2074–5, Dec 78
HUMAN/ MALE/ *PHYSICAL EXAMINATION, methods/ *TESTICULAR DISEASES, diagnosis/ TESTICULAR NEOPLASMS, diagnosis

2722. **Musca A, Marigliano V, Cordova C, et al:** Studi sperimentali sull'autoregolazione della circolazione distrettuale del pancreas: effetto della stimolazione intramurale periferica venosa prima e dopo somministrazione di alcuni farmaci vasoattivi. Boll Soc Ital Cardiol 22(4):515–34, 1977 (Eng. Abstr.) **(Ita)**
ANIMAL/ ATROPINE, pharmacodynamics/ *BLOOD CIRCULATION, drug effects/ BLOODLETTING/ DIHYDROERGOTOXINE, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ GUANETHIDINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ HOMEOSTASIS/ *PANCREAS, blood supply/ PANCREAS, drug effects/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ PENTOBARBITAL, pharmacodynamics/ *PHENTOLAMINE, pharmacodynamics/ REFLEX/ SEROTONIN, pharmacodynamics

2723. **Muscettola G, Goodwin FK, Potter WZ, et al:** Imipramine and desipramine in plasma and spinal fluid: relationship to clinical response and serotonin metabolism. Arch Gen Psychiatry 35(5):621–5, May 78
ADULT/ BRAIN, metabolism/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DEPRESSION, drug therapy/ DEPRESSION, metabolism/ *DESIPRAMINE, metabolism/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ *IMIPRAMINE, metabolism/ MALE/ MIDDLE AGE/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ *SEROTONIN, metabolism

2724. **Muschenheim F, Furst JL, Bates HA:** Increased incidence of positive tests for estrogen binding in mammary carcinoma specimens transported in liquid nitrogen. Am J Clin Pathol 70(5):780–2, Nov 78
*BREAST NEOPLASMS, analysis/ FEMALE/ *FREEZING/ FROZEN SECTIONS/ HUMAN/ *NITROGEN/ *RECEPTORS, ESTROGEN, analysis/ SPECIMEN HANDLING, instrumentation/ *SPECIMEN HANDLING, methods

2725. **Mushlin PS, Sastry BV, Boerth RC, et al:** Dithiothreitol-induced alterations of blood pressure, vascular reactivity and aortic microsomal calcium uptake in spontaneously hypertensive rats. J Pharmacol Exp Ther 207(2):331–9, Nov 78
ANIMAL/ AORTA, drug effects/ AORTA, metabolism/ BLOOD PRESSURE, drug effects/ CALCIUM, metabolism/ COMPARATIVE STUDY/ DITHIONITROBENZOIC ACID, pharmacodynamics/ *DITHIOTHREITOL, pharmacodynamics/ FEMALE/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ IN VITRO/ MICROSOMES, drug effects/ MICROSOMES, metabolism/ MUSCLE CONTRACTION, drug effects/ NOREPINEPHRINE, antagonists & inhibitors/ POTASSIUM CHLORIDE, antagonists & inhibitors/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2726. **Muskiet FA, Fremouw-Ottevangers DC, Nagel GT, et al:** Determination of 3-methoxy-4-hydroxyphenylpyruvic acid, 3,4-dihydroxyphenylethylene glycol, and 3,4-dihydroxyphenylmandelic acid in urine by mass fragmentography, with use of deuterium-labeled internal standards. Clin Chem 24(11):2001–8, Nov 78
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, urine/ ADULT/ AGED/ CATECHOLS, urine/ CHILD/ CHILD, PRESCHOOL/ DEUTERIUM/ DOPAMINE, therapeutic use/ *ETHYLENE GLYCOLS, urine/ HUMAN/ INFANT/ INFANT, NEWBORN/ LEVODOPA, therapeutic use/ *MANDELIC ACIDS, urine/ MASS FRAGMENTOGRAPHY/ MIDDLE AGE/ NEUROBLASTOMA, urine/ NORMAL VALUES/ PARKINSON DISEASE, drug therapy/

PARKINSON DISEASE, urine/ *PHENYLPYRUVIC ACIDS, urine/ PHEOCHROMOCYTOMA, urine/ REFERENCE STANDARDS/ SHOCK, CARDIOGENIC, drug therapy

2727. **Muskiet FA, Jeuring HJ, Nagel GT, et al:** Mass-fragmentographic determination of catecholamine metabolites in amniotic fluid and its possible clinical usefulness. Clin Chem 24(11):1899-902, Nov 78
ADRENAL GLAND NEOPLASMS, diagnosis/ *AMNIOTIC FLUID, analysis/ *CATECHOLAMINES, metabolism/ CREATININE, analysis/ FEMALE/ FETAL DISEASES, diagnosis/ GESTATIONAL AGE/ HOMOVANILLIC ACID, analysis/ HUMAN/ MASS FRAGMENTOGRAPHY/ METHOXYHYDROXYPHENYLGLYCOL, analysis/ NEUROBLASTOMA, congenital/ NEUROBLASTOMA, diagnosis/ PHEOCHROMOCYTOMA, diagnosis/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY/ VANILMANDELIC ACID, analysis

2728. **Muss HB, White DR, Richards F 2d, et al:** Adriamycin versus methotrexate in five-drug combination chemotherapy for advanced breast cancer: a randomized trial. Cancer 42(5):2141-8, Nov 78
*ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ BONE MARROW, drug effects/ *BREAST NEOPLASMS, drug therapy/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ *DOXORUBICIN, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, administration & dosage/ HUMAN/ *METHOTREXATE, administration & dosage/ MIDDLE AGE/ NEOPLASM METASTASIS, drug therapy/ PERIPHERAL NERVES, drug effects/ PREDNISONE, administration & dosage/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, administration & dosage

2729. **Myers DR, Shoaf HK, Wege WR, et al:** Radiation exposure during panoramic radiography in children. Oral Surg 46(4):588-93, Oct 78
CHILD/ CHILD, PRESCHOOL/ FACE, anatomy & histology/ HUMAN/ *RADIATION DOSAGE/ RADIATION PROTECTION, instrumentation/ *RADIOGRAPHY, DENTAL/ *RADIOGRAPHY, PANORAMIC/ THYROID GLAND, anatomy & histology

2730. **Myllärniemi S, Koski K, Perheentupa J:** Craniofacial and dental study of mulibrey nanism. Cleft Palate J 15(4):369-77, Oct 78
ADOLESCENCE/ ADULT/ AGE DETERMINATION BY TEETH/ CEPHALOMETRY/ CHILD/ CHILD, PRESCHOOL/ DENTAL OCCLUSION/ *DWARFISM, pathology/ *FACE, anatomy & histology/ FEMALE/ FRONTAL BONE, anatomy & histology/ HUMAN/ INFANT/ MALE/ NOSE, anatomy & histology/ SELLA TURCICA, anatomy & histology/ *SKULL, anatomy & histology/ *TOOTH, anatomy & histology

2731. **Myllärniemi S, Lenko HL, Perheentupa J:** Dental maturity in hypopituitarism, and dental response to substitution treatment. Scand J Dent Res 86(5):307-12, Sep 78
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ AGE DETERMINATION BY TEETH/ BODY HEIGHT/ BONE DEVELOPMENT, drug effects/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPOPITUITARISM, drug therapy/ *HYPOPITUITARISM, physiopathology/ MALE/ RADIOGRAPHY, PANORAMIC/ *SOMATOTROPIN, therapeutic use/ *TOOTH, growth & development

N

2732. **Nabbut NH:** Salmonella serotypes encountered in animal feed additives in Lebanon. Am J Vet Res 39(5):893-5, May 78
*ANIMAL FEED/ BONE AND BONES/ FISH PRODUCTS/ *FOOD MICROBIOLOGY/ LEBANON/ MEAT/ SALMONELLA TYPHIMURIUM, isolation & purification/ *SALMONELLA, isolation & purification/ SEROTYPING

2733. **Nabedryk-Viala E, Thiery C, Calvet P, et al:** Conformation of corticotropin. An infrared spectrometry study of hydrogen exchange kinetics. Biochim Biophys Acta 536(1):252-62, 26 Sep 78
AMINO ACID SEQUENCE/ *CORTICOTROPIN/ DEUTERIUM/ ISOTOPE LABELING/ KINETICS/ PEPTIDE FRAGMENTS/ PROTEIN CONFORMATION/ SPECTROPHOTOMETRY, INFRARED

2734. **Nachman RL:** The platelet as an inflammatory cell. pp. 199-203.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (13 ref.)
ANIMAL/ *BLOOD PLATELETS, physiopathology/ CAPILLARY PERMEABILITY/ CELL EXTRACTS, pharmacodynamics/ CYTOPLASMIC GRANULES/ HISTAMINE, metabolism/ HUMAN/ INFLAMMATION, blood/ MONOGRAPH/ RABBITS/ REVIEW/ SEROTONIN, metabolism/ SKIN, physiopathology

2735. **Naeslund G, Lundkvist O:** Effect of the endocrine state of blastocyst donors on the time required for initiation of trophoblast outgrowth. Ups J Med Sci 83(3):135-9, 1978
ANIMAL/ BLASTOCYST, cytology/ *BLASTOCYST, growth & development/ BLASTOCYST, physiology/ CASTRATION/ CELLS, CULTURED/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ *NIDATION/ NIDATION, drug effects/ PREGNANCY/ TIME FACTORS/ TROPHOBLAST, cytology/ *TROPHOBLAST, physiology

2736. **Naeye RL:** Effects of maternal cigarette smoking on the fetus and placenta. Br J Obstet Gynaecol 85(10):732-7, Oct 78
*BIRTH WEIGHT/ BODY WEIGHT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ ORGAN WEIGHT/ PLACENTA DISORDERS, etiology/ PLACENTA DISORDERS, pathology/ *PLACENTA, anatomy & histology/ *PREGNANCY/ *SMOKING/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2737. **Naftolin F, Brawer JR:** The effect of estrogens on hypothalamic structure and function. Am J Obstet Gynecol 132(7):758-65, 1 Dec 78
ADRENAL CORTEX HORMONES, metabolism/ AGE FACTORS/ ANDROGENS, metabolism/ ANDROGENS, pharmacodynamics/ ANIMAL/ ANIMALS, NEWBORN/ CELL DIFFERENTIATION/ *ESTRADIOL, pharmacodynamics/ ESTROGENS, biosynthesis/ ESTROGENS, metabolism/ *ESTROGENS, physiology/ FEMALE/ HYPOTHALAMUS, growth & development/ HYPOTHALAMUS, metabolism/ *HYPOTHALAMUS, physiology/ MALE/ OVARY, growth & development/ PROGESTATIONAL HORMONES, metabolism/ RATS

2738. **Nagai M, Iriki M:** Autonomic response of the fish to pyrogen. Experientia 34(9):1177-8, 15 Sep 78
ANIMAL/ *AUTONOMIC NERVOUS SYSTEM, drug effects/ *BODY TEMPERATURE REGULATION, drug effects/ *CARP, physiology/ *CYPRINIDAE, physiology/ HYPOTHALAMUS, drug effects/ *PYROGENS, pharmacodynamics/ SKIN PIGMENTATION, drug effects/ SKIN, innervation

2739. **Nagai T:** [The effect of hydrocortisone and calcium ion on the catecholamine release from the adrenal medullary slice (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1271-80, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ACETYLCHOLINE, pharmacodynamics/ *ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, secretion/ ANIMAL/ *CALCIUM, metabolism/ *CATECHOLAMINES, secretion/ CATTLE/ ENGLISH ABSTRACT/ HISTAMINE, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO

2740. **Nagase M, Tanimura H, Hikasa Y:** Adrenal insufficiency in surgical fields. Nippon Geka Hokan 47(5):613-23, 1 Sep 78
*ADRENAL GLAND HYPOFUNCTION, etiology/ ADRENAL GLAND HYPOFUNCTION, physiopathology/ ADRENALECTOMY/ HUMAN/ POSTOPERATIVE COMPLICATIONS

2741. **Nagasubramanian S:** Role of pituitary vasopressin in the formation and dynamics of aqueous humour. Trans Ophthalmol Soc UK 97(4):686–701, Sep 77
ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ *AQUEOUS HUMOR, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CILIARY BODY, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INTRAOCULAR PRESSURE, drug effects/ MALE/ NICOTINE, pharmacodynamics/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ RABBITS/ TIME FACTORS/ VASOPRESSINS, pharmacodynamics/ *VASOPRESSINS, physiology

2742. **Nagata N:** [PTH and Ca and P metabolism] Nippon Rinsho 36(10):3314–8, Oct 78 **(Jpn)**
ANIMAL/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ HUMAN/ KIDNEY, physiology/ *PARATHYROID HORMONE, physiology/ *PHOSPHORUS, metabolism

2743. **Nagpal BL, Prabhakar BR, Chitkara NL:** Histological and histochemical studies in fracture repair under the effect of hydrocortisone in rats. Indian J Pathol Microbiol 21(1):9–20, Jan 78
ANIMAL/ FEMALE/ *FRACTURES, physiopathology/ *HYDROCORTISONE, pharmacodynamics/ MALE/ RATS/ TIBIAL FRACTURES, physiopathology/ *WOUND HEALING, drug effects

2744. **Nahmod VE, Finkielman S, Benarroch EE, et al:** Angiotensin regulates release and synthesis of serotonin in brain. Science 202(4372):1091–3, 8 Dec 78
P-CHLOROPHENYLALANINE, pharmacodynamics/ *ANGIOTENSIN II, analogs & derivatives/ *ANGIOTENSIN II, pharmacodynamics/ *ANGIOTENSIN III, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ BRAIN STEM, metabolism/ ENZYME ACTIVATION, drug effects/ HYPOTHALAMUS, metabolism/ MORPHINE, pharmacodynamics/ RATS/ RECEPTORS, SEROTONIN, drug effects/ *SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ *TRYPTOPHAN HYDROXYLASE, metabolism

2745. **Naik DR, Dominic CJ:** Functional significance of the cells in the pars anterior of the pituitary gland of the musk shrew (Suncus murinus L.). J Endocrinol 79(1):91–102, Oct 78
ADRENALECTOMY/ ANIMAL/ CASTRATION/ FEMALE/ GONADOTROPINS, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, physiology/ PROLACTIN, pharmacodynamics/ RESERPINE, pharmacodynamics/ SHREWS, anatomy & histology/ *SHREWS, physiology/ STRESS, physiopathology/ TESTOSTERONE, pharmacodynamics/ THYROID GLAND, physiology

2746. **Naik PM, Dadkar VN, Sheth UK:** Changes in levels of biogenic amines in blood and tissues in endotoxin shock in cats. Indian J Med Res 68:353–9, Aug 78
ANIMAL/ *CATECHOLAMINES, metabolism/ CATS/ *HISTAMINE, metabolism/ MALE/ *SEROTONIN, metabolism/ *SHOCK, SEPTIC, metabolism

2747. **Naito H, Suzuki Y:** The rat estrous cycle associated with functional corpora lutea and the mechanism of its recurrence. Endocrinol Jpn 25(4):367–76, Aug 78
ANIMAL/ *CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ HYPOPHYSECTOMY/ HYSTERECTOMY/ MALE/ PITUITARY GLAND, ANTERIOR, analysis/ PITUITARY GLAND, ANTERIOR, transplantation/ PROLACTIN, analysis/ PSEUDOPREGNANCY, blood/ RATS/ TRANSPLANTATION, ISOGENEIC

2748. **Nakahata N, Suzuki T, Mashiko H, et al:** Effects of prostaglandins on intestinal smooth muscle of isolated colon and duodenum in guinea-pigs. Fukushima J Med Sci 24(1–2):55–62, 1977
ANIMAL/ *COLON, drug effects/ *DUODENUM, drug effects/ FEMALE/ GUINEA PIGS/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

2749. **Nakai T, Ueda M, Takeda R:** Effects of calcium and magnesium ions on the interaction of corticosterone with rat brain cytosol receptor(s). Endocr Res Commun 5(2):81–90, 1978
ADRENALECTOMY/ ANIMAL/ *BRAIN, metabolism/ *CALCIUM, pharmacodynamics/ *CORTICOSTERONE, metabolism/ CYTOSOL, metabolism/ EDTA, pharmacodynamics/ EGTA, pharmacodynamics/ KINETICS/ *MAGNESIUM, pharmacodynamics/ MALE/ RATS/ RECEPTORS, GLUCOCORTICOID, drug effects/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism

2750. **Nakai Y, Nakao K, Oli S, et al:** Presence of immunoreactive beta-lipotropin and beta-endorphin in human placenta. Life Sci 23(20):2013–8, 13 Nov 78
CHROMATOGRAPHY, GEL/ *ENDORPHINS, analysis/ FEMALE/ HUMAN/ IN VITRO/ *LIPOTROPIN, analysis/ *PLACENTA, analysis/ PREGNANCY/ RADIOIMMUNOASSAY

2751. **Nakamura N, Ide G, Kasai Y:** [Malignant pheochromocytoma associated with adenomatoid transformation of Bowman's capsule epithelium--an autopsy case] Nippon Rinsho 36(8):3038–41, Aug 78 **(Jpn)**
*ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ CASE REPORT/ HUMAN/ *KIDNEY GLOMERULUS, pathology/ MALE/ *PHEOCHROMOCYTOMA, pathology

2752. **Nakao J, Orimo H, Ooyama T, et al:** [Relationship between serum estradiol levels and arterial calcification (author's transl)] Nippon Ronen Igakkai Zasshi 15(4):369–74, Jul 78 (Eng. Abstr.) **(Jpn)**
AGED/ AGING/ ARTERIES/ *ARTERIOSCLEROSIS, blood/ *CALCINOSIS, blood/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ HYPERTENSION, blood/ MENOPAUSE/ MIDDLE AGE

2753. **Nakayama T, Nakamura W:** Radioprotective effect of 5-hydroxytryptamine and 5-hydroxytryptophan on mammalian cells irradiated in vitro. Int J Radiat Biol 34(1):81–09, Jul 78
CELL LINE/ CELL SURVIVAL, radiation effects/ *CELLS, CULTURED, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ DNA, NEOPLASM, radiation effects/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MICE/ *RADIATION-PROTECTIVE AGENTS/ RESERPINE, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ X-RAYS

2754. **Nambara T, Numazawa M, Tanaka T, et al:** Preparation of specific antisera to estradiol 17-glucuronide. J Steroid Biochem 9(8):785–90, Aug 78
CROSS REACTIONS/ *ESTRADIOL, analogs & derivatives/ ESTRADIOL, immunology/ GLUCURONATES, immunology/ HAPTENS/ *IMMUNE SERUMS/ IMMUNOASSAY/ RABBITS, immunology/ SERUM ALBUMIN, BOVINE

2755. **Nandi S:** Hormonal carcinogenesis: a novel hypothesis for the role of hormones. J Environ Pathol Toxicol 2(1):13–20, Sep-Oct 78
ANIMAL/ CELL TRANSFORMATION, NEOPLASTIC/ FEMALE/ HORMONES, pharmacodynamics/ *HORMONES, physiology/ MAMMAE, cytology/ MAMMAE, growth & development/ MUTAGENS/ *NEOPLASMS, etiology/ NEOPLASMS, EXPERIMENTAL, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2756. **Napoli JL, Fivizzani MA, Hamstra AH, et al:** The synthesis and activity in vitro of 25-masked 1alpha-hydroxylated vitamin D3 analogs. Steroids 32(4):453–66, Nov 78
ANIMAL/ BIOLOGICAL ASSAY/ BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CHICKENS/ CYTOSOL, metabolism/ FETUS/ *HYDROXYCHOLECALCIFEROLS, chemical synthesis/ HYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINES, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2757. **Narasimhulu S:** Bovine adrenocortical microsomal hydroxylase and thermotropic transition. Substrate-cytochrome P-450

binding reaction versus substrate hydroxylation.
Biochim Biophys Acta 544(2):381–93, 1 Dec 78
*ADRENAL CORTEX, enzymology/ ADRENAL CORTEX, physiology/ ANIMAL/ CATTLE/ *CYTOCHROME P-450, metabolism/ *HYDROXYLASES, metabolism/ INTRACELLULAR MEMBRANES, physiology/ KINETICS/ MEMBRANE FLUIDITY/ *MICROSOMES, enzymology/ MICROSOMES, physiology/ PROTEIN BINDING/ SPECTROPHOTOMETRY/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2758. **Narayanareddy K, Florence MK, Swami KS:** Changes in calcium precipitation & electromigratory pattern of sarcoplasmic proteins in denervation atrophy of amphibian gastrocnemius muscle. Indian J Biochem Biophys 15(1):71–3, Feb 78
ANIMAL/ ATROPHY/ *CALCIUM, metabolism/ FROGS/ *MUSCLE DENERVATION/ *MUSCLE PROTEINS, metabolism/ MUSCLES, pathology/ RANA/ *SARCOPLASMIC RETICULUM, metabolism

2759. **Narbaitz R, Kacew S:** Ultrastructural and biochemical observations on the metanephros of normal and cultured chick embryos. Anat Embryol (Berl) 155(1):95–105, 5 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ CELL DIFFERENTIATION/ *CHICK EMBRYO, ultrastructure/ KIDNEY, analysis/ *KIDNEY, embryology/ NEPHRONS, ultrastructure/ PARATHYROID HORMONE, physiology/ TISSUE CULTURE

2760. **Narboni G, Senac JP, Lamarque JL, et al:** Les difficultés du diagnostic radiologique des phéochromocytomes ectopiques. Ann Endocrinol (Paris) 39(3):263–5, 1978 (Eng. Abstr.) (Fre)
*ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *PELVIC NEOPLASMS, radiography/ *PHEOCHROMOCYTOMA, radiography/ *THORACIC NEOPLASMS, radiography

2761. **Narten NC, Larke D, Greenwald AS, et al:** An effective technique for bond enhancement at the bone–cement interface. Surg Forum 28:505–6, 1977
ADHESIVENESS/ ADULT/ *BONE AND BONES, surgery/ *BONE CEMENTS, administration & dosage/ HUMAN/ METHODS/ WATER

2762. **Nash HA, Robertson DN, Moo Young AJ, et al:** Steroid release from silastic capsules and rods. Contraception 18(4):367–94, Oct 78
ANIMAL/ CAPSULES/ FEMALE/ HUMAN/ *MEGESTROL, administration & dosage/ *NORETHINDRONE, administration & dosage/ *NORGESTREL, administration & dosage/ *NORGESTRIENONE, administration & dosage/ *NORPREGNATRIENES, administration & dosage/ RATS/ *SILICONE ELASTOMERS/ STERILIZATION/ TIME FACTORS

2763. **Nash HA, Robertson DN, Jackanicz TM:** Release of contraceptive steroids from sustained release dosage forms and resulting plasma levels. Contraception 18(4):395–409, Oct 78
CONTRACEPTIVE DEVICES, FEMALE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ *MEGESTROL, administration & dosage/ MEGESTROL, blood/ *NORGESTREL, administration & dosage/ NORGESTREL, blood/ *NORGESTRIENONE, administration & dosage/ NORGESTRIENONE, blood/ *NORPREGNATRIENES, administration & dosage/ TIME FACTORS

2764. **Nasjletti A, McGiff JC, Colina-Chourio J:** Interrelations of the renal kallikrein-kinin system and renal prostaglandins in the conscious rat. Influence of mineralocorticoids. Circ Res 43(5):799–807, Nov 78
*ALDOSTERONE, pharmacodynamics/ ANIMAL/ *DESOXYCORTICOSTERONE, pharmacodynamics/ *KALLIKREIN, urine/ KALLIKREIN-TRYPSIN INACTIVATOR, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ POTASSIUM, blood/ POTASSIUM, urine/ *PROSTAGLANDINS E, urine/ *PROSTAGLANDINS, metabolism/ RATS/ SESAME OIL, pharmacodynamics/ SODIUM, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VEHICLES, pharmacodynamics

2765. **Nathan E, Knoth M, Nilsson BO:** Scanning electron microscopy of the effect of short-term hormonal therapy on postmenopausal endometrium. Ups J Med Sci 83(3):175–83, 1978
AGED/ *ENDOMETRIUM, drug effects/ *ENDOMETRIUM, ultrastructure/ EPITHELIUM, drug effects/ EPITHELIUM, ultrastructure/ ESTRADIOL, therapeutic use/ ESTRIOL, therapeutic use/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MICROSCOPY, ELECTRON, SCANNING/ MIDDLE AGE/ NORETHINDRONE, therapeutic use/ NORGESTREL, therapeutic use/ *PROGESTATIONAL HORMONES, therapeutic use/ PROGESTERONE, therapeutic use/ TIME FACTORS

2766. **Nathanson JA:** Octopamine receptors, adenosine 3',5'-monophosphate, and neural control of firefly flashing. Science 203(4375):65–8, 5 Jan 79
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ *ADENYL CYCLASE, metabolism/ ANIMAL/ *BEETLES, physiology/ CATECHOLAMINES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ KINETICS/ *NORSYNEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *RECEPTORS, HORMONE, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP/ *SYNAPTIC RECEPTORS, drug effects

2767. **Nattrass M, Hinks L, Smythe P, et al:** Comparative effects of two doses of glibenclamide upon metabolic rhythms in maturity-onset diabetics. Diabete Metab 4(3):175–80, Sep 78
AGED/ ALANINE, blood/ BLOOD SUGAR, metabolism/ *CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ *DIURNAL RHYTHM/ FATTY ACIDS, NONESTERIFIED, blood/ *GLIBENCLAMIDE, administration & dosage/ GLIBENCLAMIDE, therapeutic use/ GLYCERIN, blood/ HUMAN/ INSULIN, blood/ KETONE BODIES, blood/ LACTATES, blood/ MIDDLE AGE/ PYRUVATES, blood/ SOMATOTROPIN, blood/ TRIGLYCERIDES, blood

2768. **Navón S:** Neurobiología del litio. Medicina (B Aires) 38(1):93–104, Jan-Feb 78 (115 ref.) (Spa)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *AFFECTIVE DISTURBANCES, drug therapy/ BRAIN CHEMISTRY, drug effects/ CATECHOLAMINES, metabolism/ DIURESIS, drug effects/ HUMAN/ LITHIUM, adverse effects/ LITHIUM, metabolism/ LITHIUM, pharmacodynamics/ *LITHIUM, therapeutic use/ NEUROHUMORS, metabolism/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ *RECEPTORS, DRUG, physiology/ REVIEW/ THYROID GLAND, drug effects/ TRYPTOPHAN, metabolism/ WATER, metabolism

2769. **Nazian SJ, Piacsek BE:** Sexual maturation of the cold-exposed male rat: alterations in secondary sexual organ sensitivity to testosterone. Biol Reprod 19(2):256–60, Sep 78
ANIMAL/ *COLD/ COMPARATIVE STUDY/ FSH, blood/ LH, blood/ MALE/ PROLACTIN, blood/ *PROSTATE, drug effects/ PROSTATE, growth & development/ RATS/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, growth & development/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2770. **Neal H, Keane PE:** The effects of local micro injections of opiates and enkephalins into the forebrain on the electrocorticogram of the rat.
Electroencephalogr Clin Neurophysiol 45(5):655–65, Nov 78
ANIMAL/ *BRAIN, drug effects/ CODEINE, pharmacodynamics/ ELECTROENCEPHALOGRAPHY/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ ETORPHINE, pharmacodynamics/ MALE/ *MORPHINANS, pharmacodynamics/ MORPHINE, pharmacodynamics/

NALOXONE, pharmacodynamics/ RATS/ RECEPTORS, DOPAMINE, drug effects/ THEBAINE, pharmacodynamics

2771. **Neary JT, Nakamura C, Maloof F, et al:** Serum thyrotropin releasing hormone (TRH)-degrading activity: a sensitive and rapid radiochemical assay procedure. Clin Chim Acta 90(1):61-70, 15 Nov 78
ANIMAL/ ANIMALS, NEWBORN/ CHROMATOGRAPHY, ION EXCHANGE, methods/ HUMAN/ KINETICS/ PROLINE, blood/ RATS/ *THYROTROPIN RELEASING HORMONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2772. **Neaves WB:** The effect of vasectomy on the testes of inbred Lewis rats. J Reprod Fertil 54(2):405-11, Nov 78
ANIMAL/ MALE/ MICROSCOPY, ELECTRON/ ORGAN WEIGHT/ RATS/ *RATS, INBRED LEW, anatomy & histology/ *RATS, INBRED STRAINS, anatomy & histology/ SPERMATOGENESIS/ *TESTIS, anatomy & histology/ TESTIS, ultrastructure/ *VASECTOMY

2773. **Nebol'sina LI, Pinelis VG, Kurbatov VS, et al:** Sostoianie simpatiko-adrenalovoĭ sistemy i aktivnost' renina v krovi u deteĭ s pervichnoĭ arterial'noĭ gipertonieĭ v protsesse lecheniia beta-blokatorami. Kardiologiia 18(11):38-42, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ *ADRENAL GLANDS, physiopathology/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ CATECHOLAMINES, urine/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/ HYPERTENSION, urine/ JUXTAGLOMERULAR APPARATUS, physiopathology/ *RENIN, blood/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology

2774. **Nedvídková J, Felt V:** Změny 3, 3', 5-L-trijodtyroninu ('obrácený T3') v krvi nemocných s tyreotoxikosou a hypotyreosou. Vnitr Lek 24(12):1170-5, Dec 78 (Eng. Abstr.) **(Cze)**
ADULT/ CHEMISTRY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ *TRIIODOTHYRONINE, blood

2775. **Neeb S, Grabner W:** Somatostatin. Med Klin 73(43):1489-98, 27 Oct 78 (63 ref.) **(Ger)**
ACROMEGALY, drug therapy/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HALF-LIFE/ HUMAN/ MOLECULAR WEIGHT/ PROLACTIN, secretion/ REVIEW/ SOMATOMEDIN/ *SOMATOTROPIN RELEASE INHIBITING HORMONE/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion

2776. **Negro-Vilar A, Ojeda SR, Arimura A, et al:** Dopamine and norepinephrine stimulate somatostatin release by median eminence fragments in vitro. Life Sci 23(14):1493-7, 9 Oct 78
ANIMAL/ DOPAMINE, antagonists & inhibitors/ *DOPAMINE, pharmacodynamics/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ IN VITRO/ MALE/ *MEDIAN EMINENCE, drug effects/ MEDIAN EMINENCE, metabolism/ NOREPINEPHRINE, antagonists & inhibitors/ *NOREPINEPHRINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PIMOZIDE, pharmacodynamics/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2777. **Nekrasova AA:** Kallikrein-kinin-prostaglandinovaia sistema pochek. Ter Arkh 50(11):138-45, 1978 (17 ref.) **(Rus)**
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ BLOOD PRESSURE/ CHEMISTRY/ DIURESIS/ HUMAN/ *KALLIKREIN, physiology/ KIDNEY, blood supply/ *KIDNEY, physiology/ *KININS, physiology/ NATRIURESIS/ PROSTAGLANDINS A, physiology/ PROSTAGLANDINS E, physiology/ PROSTAGLANDINS F, physiology/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, physiology/ RATS/ RENAL ARTERY, physiology/ RENAL VEINS, physiology/ REVIEW/ WATER-ELECTROLYTE BALANCE

2778. **Nelson GH, Bryans CI Jr:** Induction of labor with oral prostaglandin E2 in normal and high-risk pregnancies. Am J Obstet Gynecol 132(6):642-8, 15 Nov 78
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ CASE REPORT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ *LABOR, INDUCED/ OXYTOCIN, administration & dosage/ PREGNANCY COMPLICATIONS/ PREGNANCY/ PROSTAGLANDINS E, administration & dosage/ PROSTAGLANDINS E, adverse effects/ *PROSTAGLANDINS E, therapeutic use/ RISK

2779. **Nelson JH 3d, Rehm RA, Riemenschneider HW, et al:** Oral calcium tolerance and urinary cyclic AMP in urolithiasis. Urology 12(5):519-24, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADOLESCENCE/ ADULT/ AGED/ CALCIUM METABOLISM DISORDERS, complications/ *CALCIUM METABOLISM DISORDERS, diagnosis/ *CALCIUM, diagnostic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ PROSPECTIVE STUDIES/ *URINARY CALCULI, etiology

2780. **Nelson RF:** Testosterone levels in cluster and non-cluster migrainous headache patients. Headache 18(5):265-7, Nov 78
ADULT/ AGED/ *CLUSTER HEADACHE, blood/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MIGRAINE, blood/ *TESTOSTERONE, blood/ *VASCULAR HEADACHE, blood

2781. **Nemecek GM:** Stimulation of hamster adipocyte cyclic 3':5'-nucleotide phosphodiesterase activity by ionophore A23187 and calcium. J Cyclic Nucleotide Res 4(4):299-309, Aug 78
*A-23187, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADIPOSE TISSUE, enzymology/ ANIMAL/ *ANTIBIOTICS, pharmacodynamics/ *CALCIUM, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HAMSTERS/ MALE/ MESOCRICETUS/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism/ *3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism

2782. **Németh S:** Odraz hormonálnych reakcií v strese na úrovni metabolizmu najmä vzhľadom na obsah glykogénu a na aktivitu fosforylázy v pečeni potkanov podrobených opakovanej vátaži. Bratisl Lek Listy 70(4):449-58, Oct 78 (Eng. Abstr.) **(Slo)**
*ADRENALECTOMY/ ANIMAL/ ENGLISH ABSTRACT/ *GLYCOGEN PHOSPHORYLASE, metabolism/ *LIVER GLYCOGEN, metabolism/ LIVER, enzymology/ MALE/ RATS/ STRESS, enzymology/ *STRESS, metabolism

2783. **Neretto G, Giovanelli E, Agricola R, et al:** Polichemioterapia dei linfomi. Risultati di una selezione di 32 casi diagnosticati in stadio III e IV e non precedentemente trattati. Minerva Med 69(49):3367-71, 17 Oct 78 **(Ita)**
*ANTINEOPLASTIC AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION/ *HODGKIN'S DISEASE, drug therapy/ HUMAN/ *LYMPHOMA, drug therapy/ MECHLORETHAMINE, adverse effects/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ PROCARBAZINE, adverse effects/ PROCARBAZINE, therapeutic use/ VINCRISTINE, adverse effects/ VINCRISTINE, therapeutic use

2784. **Nestel PJ, Poyser A, Hood RL, et al:** The effect of dietary fat supplements on cholesterol metabolism in ruminants. J Lipid Res 19(7):899-909, Sep 78
ACETATES, metabolism/ ANIMAL/ *CHOLESTEROL, metabolism/ *DIETARY FATS/ FECES, analysis/ FEMALE/ GOATS/ KINETICS/ LACTATION/ LIPOPROTEINS, blood/ MEVALONIC ACID, metabolism/ PREGNANCY/ SHEEP/ STEROLS, biosynthesis

2785. **Netelenbos JC, Haagsma-Schouten WA, Lopes Cardozo E:** Hypercalciurie en nierstenen. Ned Tijdschr Geneeskd

122(51):2020–5, 23 Dec 78 **(Dut)**
CALCITONIN, physiology/ CALCIUM, metabolism/ *CALCIUM, urine/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ HUMAN/ HYDROCORTISONE, metabolism/ INTESTINE, SMALL, metabolism/ KIDNEY CALCULI, drug therapy/ *KIDNEY CALCULI, metabolism/ KIDNEY, metabolism/ PARATHYROID HORMONE, physiology/ RECURRENCE/ SEX HORMONES, physiology/ SOMATOTROPIN, metabolism/ THYROID HORMONES, physiology

2786. **Netz H:** Die Behandlung der 'intractable Diarrhea' im Säuglingsalter mit Frauenmilch. Klin Paediatr 190(6):603–6, Nov 78 (Eng. Abstr.) **(Ger)**
*DIARRHEA, INFANTILE, diet therapy/ DIARRHEA, INFANTILE, drug therapy/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ *MILK, HUMAN/ PREDNISONE, therapeutic use

2787. **Neuman RW, Maggiano JM, Frenkel M:** Bilateral acute anterior ischemic neuropathy in diabetes: case report. Ann Ophthalmol 10(11):1501–4, Nov 78
ATROPHY/ BRAIN, pathology/ CASE REPORT/ *DIABETIC COMA, complications/ DIABETIC COMA, diagnosis/ DIABETIC COMA, drug therapy/ DIABETIC NEUROPATHIES, complications/ *DIABETIC NEUROPATHIES, diagnosis/ DIABETIC NEUROPATHIES, drug therapy/ HUMAN/ INSULIN, therapeutic use/ MALE/ METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ OPTIC NERVE DISEASES, complications/ *OPTIC NERVE DISEASES, diagnosis/ OPTIC NERVE DISEASES, drug therapy

2788. **Neumark A, Piotrowski J:** Bariera Łożyskowa. Pieleg Polozna (11):4–6, 1978 **(Pol)**
DRUGS, metabolism/ FEMALE/ HUMAN/ *MATERNAL–FETAL EXCHANGE/ *PLACENTA, metabolism/ PREGNANCY

2789. **Newlands ES:** The current role of cancer chemotherapy. Br J Radiol 51(610):756–70, Oct 78 (60 ref.)
ALKYLATING AGENTS, therapeutic use/ ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ANTIMETABOLITES, ANTINEOPLASTIC, therapeutic use/ ANTINEOPLASTIC AGENTS, classification/ ANTINEOPLASTIC AGENTS, therapeutic use/ ANTINEOPLASTIC AGENTS, PHYTOGENIC, therapeutic use/ DRUG THERAPY, COMBINATION/ HORMONES, therapeutic use/ HUMAN/ NEOPLASM METASTASIS/ *NEOPLASMS, drug therapy/ NEOPLASMS, pathology/ NEOPLASMS, surgery/ REVIEW

2790. **Newman JD, Armstrong JM, Bornstein J:** Effects of part sequences of human growth hormone on in vivo hepatic glycogen metabolism in the rat. Biochim Biophys Acta 544(2):234–44, 1 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ AMINO ACID SEQUENCE/ ANIMAL/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ *LIVER GLYCOGEN, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ PEPTIDE FRAGMENTS, pharmacodynamics/ RATS/ *SOMATOTROPIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP

2791. **Newsome HH Jr, Thomas JM:** In vivo effects of 'equipotent' doses of synthetic steroids on lymphocytes and on the pituitary–adrenal system in man. Surg Forum 28:118–20, 1977
ANIMAL/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, pharmacodynamics/ GLUCOCORTICOIDS, SYNTHETIC, administration & dosage/ *GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ HUMAN/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ *LYMPHOCYTES, drug effects/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, pharmacodynamics/ *PITUITARY–ADRENAL SYSTEM, drug effects/ PREDNISONE, administration & dosage/ PREDNISONE, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2792. **Niarchos AP, Magrini F, Tarazi RC, et al:** Mechanism of spontaneous supine blood pressure variations in chronic autonomic insufficiency. Am J Med 65(3):547–52, Sep 78
AGED/ *AUTONOMIC NERVOUS SYSTEM/ *BLOOD PRESSURE/ BLOOD VOLUME/ CARDIAC OUTPUT/ FEMALE/ HEART RATE/ HUMAN/ *HYPOTENSION, ORTHOSTATIC, physiopathology/ IMPOTENCE, etiology/ IMPOTENCE, physiopathology/ MALE/ MIDDLE AGE/ *NERVOUS SYSTEM DISEASES, physiopathology/ NEUROLOGIC MANIFESTATIONS/ PLASMA VOLUME/ POSTURE/ RENIN, blood/ STROKE VOLUME/ SWEATING/ URINATION DISORDERS, etiology/ URINATION DISORDERS, physiopathology/ *VASCULAR RESISTANCE/ VASOCONSTRICTION/ VENOUS PRESSURE

2793. **Nichoga VD, Dunaev VG:** Lekarstvennaia reguliatsiia funktsional'noĭ aktivnosti lizosomal'nogo apparata kletki (obzor literatura). Farmakol Toksikol 41(6):730–50, Nov–Dec 78 (223 ref.) **(Rus)**
ADRENAL CORTEX HORMONES, pharmacodynamics/ ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTIBIOTICS, pharmacodynamics/ ANTINEOPLASTIC AGENTS, pharmacodynamics/ BIOGENIC AMINES, pharmacodynamics/ COMPARATIVE STUDY/ GONADOTROPINS, pharmacodynamics/ HEPARIN, pharmacodynamics/ IN VITRO/ *LYSOSOMES, drug effects/ LYSOSOMES, metabolism/ LYSOSOMES, ultrastructure/ PERMEABILITY/ PHENOTHIAZINE TRANQUILIZERS, pharmacodynamics/ PSYCHOTROPIC DRUGS, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SEX HORMONES, pharmacodynamics

2794. **Nichols DH:** A technique for vaginal oophorectomy. Surg Gynecol Obstet 147(5):765, Nov 78
*CASTRATION, methods/ FEMALE/ HUMAN/ HYSTERECTOMY, VAGINAL/ MENOPAUSE/ *OVARY, surgery

2795. **Nicholson CJ, Joyce TH 3d:** Choosing a vasopressor for the pregnant patient. AANA J 46(3):265–70, Jun 78
ANESTHESIA, CONDUCTION, adverse effects/ *ANESTHESIA, OBSTETRICAL/ DRUG SYNERGISM/ FEMALE/ HUMAN/ HYPOTENSION, etiology/ *HYPOTENSION, prevention & control/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ *VASOCONSTRICTOR AGENTS, therapeutic use

2796. **Nicholson RL:** Thymic hyperplasia in thyrotoxicosis. J Can Assoc Radiol 29(4):264–5, Dec 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, complications/ THYMUS HYPERPLASIA, complications/ *THYMUS HYPERPLASIA, diagnosis/ THYMUS HYPERPLASIA, pathology

2797. **Nickols GA, Brooker G:** Temperature sensitivity of cyclic AMP production and catecholamine-induced refractoriness in a rat astrocytoma cell line. Proc Natl Acad Sci USA 75(11):5520–4, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ASTROCYTOMA/ CELL LINE/ *ISOPROTERENOL, pharmacodynamics/ KINETICS/ TEMPERATURE/ *THEOPHYLLINE, analogs & derivatives/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

2798. **Nicolaou KC, Barnette WE, Magolda RL:** Synthesis of prostaglandin H2 (PGH2) and prostacyclin (PGI2) analogs: tetrathia-PGH2 and PGI2-ketal methyl ester. Prostaglandins Med 1(1):96–7, Jul 78
*PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC, chemical synthesis/ PROSTAGLANDINS H, chemical synthesis/ *PROSTAGLANDINS X, chemical synthesis/ *PROSTAGLANDINS, chemical synthesis/ PROSTAGLANDINS, SYNTHETIC, chemical synthesis

2799. **Nieschlag E:** Hormone diagnosis in male hypogonadism and infertility. Horm Res 9(6):394–403, 1978
FSH, blood/ HUMAN/ *HYPOGONADISM, diagnosis/ HYPOGONADISM, physiopathology/ HYPOTHALAMUS, physiopathology/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ PITUITARY GLAND, physiopathology/ PROLACTIN, blood/ *SEX HORMONES, blood/

*STERILITY, MALE, diagnosis/ STERILITY, MALE, physiopathology/ TESTIS, physiopathology/ TESTOSTERONE, blood

2800. **Nieuw Amerongen AV, Roukema PA, Vreugdenhil AP:** Comparison of adenylate cyclase activity and in vitro secretion in the parotid and sublingual glands of the mouse. J Physiol (Lond) 283:211–21, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ FEMALE/ IN VITRO/ MICE/ PARASYMPATHOMIMETICS, pharmacodynamics/ *PAROTID GLAND, enzymology/ PAROTID GLAND, secretion/ *SUBLINGUAL GLAND, enzymology/ SUBLINGUAL GLAND, secretion

2801. **Niggli V, Mattenberger M, Gazzotti P:** Characteristics of the active transport of Ca2+ by submitochondrial vesicles. Eur J Biochem 89(2):361–6, 1 Sep 78
ANIMAL/ *BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYLHYDRAZONE pharmacodynamics/ CHOLIC ACIDS/ INTRACELLULAR MEMBRANES, drug effects/ KINETICS/ *MITOCHONDRIA, metabolism/ *MITOCHONDRIA, LIVER, metabolism/ OLIGOMYCIN, pharmacodynamics/ RATS/ *SUBMITOCHONDRIAL PARTICLES, metabolism

2802. **Niggli V, Gazzotti P, Carafoli E:** Experiments on the mechanism of the inhibition of mitochondrial Ca2+ transport by La3+ and ruthenium red. Experientia 34(7):1136–7, 15 Sep 78
ANIMAL/ *CALCIUM, metabolism/ DEPRESSION, CHEMICAL/ IN VITRO/ IONOPHORES, pharmacodynamics/ KINETICS/ *LANTHANUM, pharmacodynamics/ *MITOCHONDRIA, LIVER, metabolism/ RATS/ *RUTHENIUM RED, pharmacodynamics/ *RUTHENIUM, pharmacodynamics

2803. **Niimura S, Ishida K:** Histochemical demonstration of prostaglandin dehydrogenases in the uterine and chorionic epithelia of the pregnant pig. J Reprod Fertil 54(1):149–51, Sep 78
ANIMAL/ CHORIONIC VILLI, enzymology/ EPITHELIUM, enzymology/ FEMALE/ HISTOCYTOCHEMISTRY/ *HYDROXYPROSTAGLANDIN DEHYDROGENASES, metabolism/ *PLACENTA, enzymology/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SWINE, metabolism/ UTERUS, enzymology

2804. **Nikkanen V:** The effects of mesterolone on the male accessory sex organs, on spermiogram, plasma testosterone and FSH. Andrologia 10(4):299–306, Jul–Aug 78
ACID PHOSPHATASE, metabolism/ ADULT/ CITRATES, metabolism/ FRUCTOSE, metabolism/ *FSH, blood/ HUMAN/ MALE/ *MESTEROLONE, pharmacodynamics/ *PROSTATE, drug effects/ PROSTATE, enzymology/ SEMEN, metabolism/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ SPERMATOZOA, drug effects/ *STANOLONE, analogs & derivatives/ *TESTOSTERONE, blood/ TIME FACTORS

2805. **Niles RM, Makarski JS, Benfield JR:** Examination of hormonally regulated functions in differentially metastasizing melanoma cells. Surg Forum 28:145–7, 1977
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CELL LINE/ CELL NUMBER/ MELANINS, analysis/ *MELANINS, biosynthesis/ MELANOMA, metabolism/ *MELANOMA, pathology/ MICE/ MITOSIS/ *MSH, physiology/ *NEOPLASM METASTASIS/ TYROSINASE, metabolism/ TYROSINE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2806. **Nillius SJ, Bergquist C, Wide L:** Inhibition of ovulation in women by chronic treatment with a stimulatory LRH analogue – a new approach to birth control? Contraception 17(6):537–44, Jun 78
ADULT/ AMENORRHEA, etiology/ ESTRADIOL, blood/ *FAMILY PLANNING/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MENSTRUATION, drug effects/ *OVULATION, drug effects/ PROGESTERONE, blood/ TIME FACTORS

2807. **Nilsen KH, Jayson MI, Dixon AS:** Microcrystalline calcium hydroxyapatite compound in corticosteroid-treated rheumatoid patients: a controlled study. Br Med J 2(6145):1124, 21 Oct 78
ADRENAL CORTEX HORMONES, adverse effects/ *ARTHRITIS, RHEUMATOID, drug therapy/ BODY HEIGHT/ FEMALE/ HUMAN/ *HYDROXYAPATITES, therapeutic use/ MALE/ MIDDLE AGE/ *OSTEOPOROSIS, prevention & control

2808. **Nilsson BS, Hanngren A, Lins LE, et al:** Acute phase of sarcoidosis with splenomegaly and hypercalcemia. Description of a case, including a report about splenectomy and the preparation and testing of a Kveim antigen from the spleen. Scand J Respir Dis [Suppl] 59(4):199–209, Aug 78
ACUTE DISEASE/ ADULT/ BLOOD SEDIMENTATION/ CASE REPORT/ HEMOGLOBINS, analysis/ HUMAN/ *HYPERCALCEMIA, complications/ *KVEIM TEST/ LYMPH NODES, immunology/ MALE/ SARCOIDOSIS, blood/ *SARCOIDOSIS, complications/ SARCOIDOSIS, immunology/ *SKIN TESTS/ SPLEEN, immunology/ SPLENECTOMY/ *SPLENOMEGALY, complications/ SPLENOMEGALY, surgery

2809. **Nilsson CG, Luukkainen T, Lähteenmäki P:** Determination of plasma concentrations of d-norgestrel during a one year follow-up in women with a d-norgestrel-releasing IUD. Contraception 17(6):569–73, Jun 78
ADULT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *INTRAUTERINE DEVICES, MEDICATED/ *NORGESTREL, blood/ TIME FACTORS

2810. **Nilsson S, Nygren KG, Johansson ED:** Transfer of estradiol to human milk. Am J Obstet Gynecol 132(6):653–7, 15 Nov 78
ESTRADIOL, blood/ *ESTRADIOL, metabolism/ FEMALE/ HUMAN/ *MILK, HUMAN, metabolism/ PREGNANCY/ RADIOIMMUNOASSAY

2811. **Nishida S, Matsumura S, Horino M, et al:** [Radioimmunoassay for plasma pregnenolone. Dexamethasone suppressibility of plasma pregnenolone (author's transl)] Radioisotopes 27(9):543–6, Sep 78 **(Jpn)**
ADULT/ DEPRESSION, CHEMICAL/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ *PREGNENOLONE, blood/ *RADIOIMMUNOASSAY, methods

2812. **Nishida S, Kagawa K, Tomizawa S:** Correlation between histamine content in exudate and degree of edema produced by dextran. Biochem Pharmacol 27(22):2641–6, 1978
ANIMAL/ *DEXTRANS, pharmacodynamics/ EDEMA, chemically induced/ *EDEMA, metabolism/ *EXUDATES AND TRANSUDATES, metabolism/ *HISTAMINE, metabolism/ MALE/ MOLECULAR WEIGHT/ RATS/ SEROTONIN, metabolism/ TIME FACTORS

2813. **Nishikawa M, Oishi M, Kurata S, et al:** [Primary aldosteronism associated with a primary double cancer of the thyroid and rectum: a case study (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1058–69, 20 Sep 78 (Eng. Abstr.) **(Jpn)**
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ *ADENOMA, complications/ ADENOMA, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, pathology/ MALE/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ *RECTAL NEOPLASMS, complications/ RECTAL NEOPLASMS, pathology/ *THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology

2814. **Nishiki K, Erecińska M, Wilson DF, et al:** Evaluation of oxidative phosphorylation in hearts from euthyroid, hypothyroid, and hyperthyroid rats. Am J Physiol 235(5):C212–9, Nov 78
ADENINE NUCLEOTIDES, metabolism/ ANIMAL/ CALCIUM, blood/ CREATINE, blood/ CYTOCHROMES, metabolism/ FEMALE/ *HYPERTHYROIDISM, metabolism/ *HYPOTHYROIDISM, metabolism/ MALE/ *MITOCHONDRIA, HEART, metabolism/ *MYOCARDIUM, metabolism/ NAD, metabolism/

OXIDATION-REDUCTION/ *OXIDATIVE PHOSPHORYLATION/ OXYGEN CONSUMPTION/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2815. **Nishimura R, Hosaka M, Imano M, et al:** [Determination of plasma androgen in urologic diseases (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(9):1140–3, Sep 78 **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ *GENITAL DISEASES, MALE, blood/ HUMAN/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ *TESTOSTERONE, blood

2816. **Nishitani H, Yuji S:** [Case of isolated ACTH deficiency associated with neurologic symptoms] Nippon Rinsho 36(8):3016–21, Aug 78 **(Jpn)**
ADULT/ CASE REPORT/ *CORTICOTROPIN, deficiency/ *DELUSIONS, complications/ HUMAN/ *INSOMNIA, complications/ MALE

2817. **Nisticò G, Pisanti N, Rotiroti D, et al:** Effects of althesin and ketamine on resting and stress stimulated adrenocortical activity in rats. Br J Anaesth 50(9):891–7, Sep 78
ADRENAL CORTEX, drug effects/ *ADRENAL CORTEX, physiology/ *ALTHESIN, pharmacodynamics/ ANESTHESIA, INTRAVENOUS/ ANIMAL/ CORTICOSTERONE, blood/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ *KETAMINE, pharmacodynamics/ NOREPINEPHRINE, metabolism/ *PREGNANEDIONES, pharmacodynamics/ RATS/ *STRESS, physiopathology

2818. **Nisula BC, Fredlund PN:** Radioimmunoassay for partially degradęd thyrotropin. Endocr Res Commun 5(2):125–34, 1978
CROSS REACTIONS/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ RADIOIMMUNOASSAY, methods/ THYROIDITIS, blood/ *THYROTROPIN, blood

2819. **Nittner K:** Surprise finding 5 years after stereotactic amygdalotomy. Appl Neurophysiol 41(1–4):38–42, 1978
ADULT/ *AMYGDALOID BODY, surgery/ *BRAIN NEOPLASMS, diagnosis/ CASE REPORT/ EPILEPSY, TEMPORAL LOBE, surgery/ *GLIOMA, diagnosis/ HUMAN/ MALE/ POSTOPERATIVE COMPLICATIONS/ *STEREOTAXIC TECHNICS/ TIME FACTORS

2820. **Njus D, Sehr PA, Radda GK, et al:** Phosphorus-31 nuclear magnetic resonance studies of active proton translocation in chromaffin granules. Biochemistry 17(20):4337–43, 3 Oct 78
*ADENINE NUCLEOTIDE TRANSLOCASE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ADRENAL MEDULLA, metabolism/ ANIMAL/ CATTLE/ *CHROMAFFIN GRANULES, metabolism/ *CHROMAFFIN SYSTEM, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ NUCLEAR MAGNETIC RESONANCE/ *NUCLEOTIDYLTRANSFERASES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2821. **Noble RC, Shand JH, Bell AW, et al:** The transfer of free palmitic and linoleic acids across the ovine placenta. Lipids 13(9):610–5, Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT/ FATTY ACIDS, blood/ FEMALE/ FETAL BLOOD, metabolism/ *LINOLEIC ACIDS, metabolism/ *MATERNAL-FETAL EXCHANGE/ *PALMITATES, metabolism/ *PALMITIC ACIDS, metabolism/ *PLACENTA, metabolism/ SHEEP

2822. **Nochomovitz LE, Rosai J:** Current concepts on the histogenesis, pathology, and immunochemistry of germ cell tumors of the testis. Pathol Annu 13(Pt. 1):327–62, 1978 (155 ref.)
ADULT/ AGED/ ALPHA FETOPROTEINS, analysis/ ANIMAL/ CHORIOCARCINOMA, pathology/ CRYPTORCHISM, complications/ DYSGERMINOMA, pathology/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LH, analysis/ MALE/ MESONEPHROMA, pathology/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASMS, EMBRYONAL AND MIXED, metabolism/ *NEOPLASMS, EMBRYONAL AND MIXED, pathology/ PROGNOSIS/ REVIEW/ TERATOID TUMOR, pathology/ TESTICULAR NEOPLASMS, metabolism/ *TESTICULAR NEOPLASMS, pathology/ TESTIS, pathology

2823. **Nocks BN:** Polyorchidism with normal spermatogenesis and equal sized testes: a theory of embryological development. J Urol 120(5):638–40, Nov 78
ADOLESCENCE/ CASE REPORT/ HUMAN/ MALE/ *SPERMATOGENESIS/ *TESTIS, abnormalities/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2824. **Noda S, Kubota K, Yamada K, et al:** The effect of vitamin D3 and dietary calcium level on the cadmium-induced morphological and biochemical changes in rat intestinal mucosa. J Nutr Sci Vitaminol (Tokyo) 24(4):405–18, 1978
*CADMIUM, pharmacodynamics/ *CALCIUM, pharmacodynamics/ *CALCIUM, DIETARY/ *CHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, drug effects/ DUODENUM, ultrastructure/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING/ MICROVILLI, drug effects/ MICROVILLI, ultrastructure

2825. **Nogales FFJr, Matilla A, Nogales-Ortiz, et al:** Yolk sac tumors with pure and mixed polyvesicular vitelline patterns. Hum Pathol 9(5):553–66, Sep 78
ADULT/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASTRATION/ CYSTS, pathology/ FEMALE/ HUMAN/ HYSTERECTOMY/ INFANT, NEWBORN/ MALE/ *MESONEPHROMA, pathology/ MESONEPHROMA, therapy/ MESONEPHROMA, ultrastructure/ *OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, therapy/ OVARIAN NEOPLASMS, ultrastructure/ PROGNOSIS

2826. **Noguchi A, Reynolds JW:** Serum cortisol and dehydroepiandrosterone sulfate responses to adrenocorticotropin stimulation in premature infants. Pediatr Res 12(11):1057–61, Nov 78
*CORTICOTROPIN, pharmacodynamics/ *DEHYDROEPIANDROSTERONE, blood/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, blood/ INFANT, NEWBORN/ *INFANT, PREMATURE/ MALE/ RADIOIMMUNOASSAY

2827. **Nomura Y, Kondo H, Yamagata J, et al:** Evaluation of liver and bone scanning in patients with early breast cancer, based on results obtained from more advanced cancer patients. Eur J Cancer 14(10):1129–36, Oct 78
*BONE AND BONES, radionuclide imaging/ BONE NEOPLASMS, radionuclide imaging/ *BREAST NEOPLASMS, radionuclide imaging/ HUMAN/ LIVER NEOPLASMS, radionuclide imaging/ *LIVER, radionuclide imaging/ NEOPLASM METASTASIS/ PROSPECTIVE STUDIES/ RECURRENCE

2828. **Noordewier B, Bailie MD, Hook JB:** Effects of indomethacin and tolmetin on furosemide-induced changes in renin release. Proc Soc Exp Biol Med 159(2):180–3, Nov 78
ANIMAL/ CALCIUM, metabolism/ CALCIUM, urine/ DOGS/ *FUROSEMIDE, antagonists & inhibitors/ FUROSEMIDE, pharmacodynamics/ *INDOMETHACIN, pharmacodynamics/ *KIDNEY, drug effects/ KIDNEY, metabolism/ KIDNEY, secretion/ MALE/ POTASSIUM, urine/ *PYRROLES, pharmacodynamics/ RENIN, blood/ *RENIN, secretion/ SODIUM, urine/ *TOLMETIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2829. **Norby LH, Weidig J, Ramwell P, et al:** Possible role for impaired renal prostaglandin production in pathogenesis of hyporeninaemic hypoaldosteronism. Lancet 2(8100):1118–22, 25 Nov 78
ADRENAL GLAND HYPOFUNCTION, diagnosis/ *ADRENAL GLAND HYPOFUNCTION, etiology/ ADRENAL GLAND HYPOFUNCTION, physiopathology/ *ALDOSTERONE, deficiency/ ALDOSTERONE, metabolism/ BLOOD PRESSURE/ CASE REPORT/ FEMALE/ HUMAN/ *KIDNEY, metabolism/ MIDDLE AGE/ POTASSIUM, metabolism/ *PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS E, urine/ *PROSTAGLANDINS F, biosynthesis/ PROSTAGLANDINS F, urine/ RENIN, blood/ *RENIN, deficiency/ SODIUM, metabolism

2830. **Nordhus O, Ekeström S, Liljeqvist L, et al:** Renal artery

reconstruction in renovascular hypertension.
Scand J Thorac Cardiovasc Surg 12(2):111–9, 1978
ADOLESCENCE/ ADULT/ AORTA, ABDOMINAL, surgery/ AORTOGRAPHY/ BLOOD PRESSURE/ CHILD/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENOVASCULAR, diagnosis/ HYPERTENSION, RENOVASCULAR, pathology/ *HYPERTENSION, RENOVASCULAR, surgery/ MALE/ MIDDLE AGE/ *RENAL ARTERY, surgery/ RENAL VEINS, surgery/ RENIN, blood

2831. **Nordøy A, Svensson B, Haycraft D, et al:** The influence of age, sex, and the use of oral contraceptives on the inhibitory effects of endothelial cells and PGI2 (prostacyclin) on platelet function. Scand J Haematol 21(3):177–87, Sep 78
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADULT/ AGE FACTORS/ AGED/ ASPIRIN, pharmacodynamics/ BLOOD CELL COUNT/ BLOOD PLATELETS, metabolism/ CELLS, CULTURED/ COLLAGEN, pharmacodynamics/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ *ENDOTHELIUM, cytology/ FEMALE/ HUMAN/ LIPIDS, blood/ MALE/ MALONDIALDEHYDE, metabolism/ MENOPAUSE/ MIDDLE AGE/ *PLATELET AGGREGATION, drug effects/ PLATELET FACTOR 3, metabolism/ *PROSTAGLANDINS X, pharmacodynamics/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, pharmacodynamics/ SEX FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2832. **Norenberg DD:** Furosemide, hypertension, and osteoporosis [letter] JAMA 241(3):237–8, 19 Jan 79
FEMALE/ *FUROSEMIDE, adverse effects/ FUROSEMIDE, therapeutic use/ HUMAN/ *HYPERTENSION, drug therapy/ MENOPAUSE/ *OSTEOPOROSIS, chemically induced/ OSTEOPOROSIS, prevention & control

2833. **Norfleet RG, Sampson CE:** Carcinoma of the cervix after treatment with prednisone and azathioprine for chronic active hepatitis. Am J Gastroenterol 70(4):383–4, Oct 78
ADULT/ AZATHIOPRINE, administration & dosage/ *AZATHIOPRINE, adverse effects/ AZATHIOPRINE, therapeutic use/ CARCINOMA IN SITU, chemically induced/ *CARCINOMA IN SITU, immunology/ CASE REPORT/ CERVIX NEOPLASMS, chemically induced/ *CERVIX NEOPLASMS, immunology/ CHRONIC DISEASE/ FEMALE/ *HEPATITIS, drug therapy/ HUMAN/ *IMMUNOSUPPRESSION, adverse effects/ PREDNISONE, administration & dosage/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use

2834. **Norman A, Baker ND:** Spontaneous osteonecrosis of the knee and medial meniscal tears. Radiology 129(3):653–6, Dec 78
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ AGED/ CHILD/ FEMALE/ FEMUR, drug effects/ FEMUR, radiography/ HUMAN/ *KNEE/ KNEE, drug effects/ KNEE, radiography/ MALE/ MIDDLE AGE/ OSTEONECROSIS, chemically induced/ *OSTEONECROSIS, etiology/ OSTEONECROSIS, radiography/ SEMILUNAR CARTILAGES, drug effects/ *SEMILUNAR CARTILAGES, injuries/ SEMILUNAR CARTILAGES, radiography

2835. **Norman AW, Coburn JW, Schaefer K:** Recent advances in the endocrinology of vitamin D and implications for renal failure. Contrib Nephrol 14:190–207, 1978
ANIMAL/ CALCIUM, metabolism/ CHICKENS, metabolism/ CHOLECALCIFEROLS, therapeutic use/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ DOGS/ HUMAN/ INTESTINAL ABSORPTION, drug effects/ *KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY, enzymology/ *KIDNEY, metabolism/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, physiology/ PARATHYROID HORMONE, secretion/ PHOSPHORUS, metabolism/ RENAL OSTEODYSTROPHY, drug therapy/ RENAL OSTEODYSTROPHY, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D, metabolism/ 25-HYDROXYCHOLECALCIFEROL-1-HYDROX metabolism

2836. **Norman D, Enzmann DR, Newton TH:** Optimal contrast dosage in cranial computed tomography. AJR 131(4):687–9, Oct 78
BRAIN NEOPLASMS, radiography/ *CONTRAST MEDIA, administration & dosage/ GLIOMA, radiography/ HUMAN/ INJECTIONS, INTRAVENOUS/ *IODINE, administration & dosage/ *TOMOGRAPHY, COMPUTERIZED AXIAL

2837. **Norman D, Stevens EA, Wing SD, et al:** Quantitative aspects of contrast enhancement in cranial computed tomography. Radiology 129(3):683–8, Dec 78
BLOOD-BRAIN BARRIER/ BRAIN NEOPLASMS, blood/ *BRAIN NEOPLASMS, radiography/ *CONTRAST MEDIA/ CONTRAST MEDIA, administration & dosage/ GLIOMA, blood/ *GLIOMA, radiography/ HUMAN/ INJECTIONS, INTRAVENOUS/ IODINE, administration & dosage/ IODINE, blood/ MEGLUMINE IOTHALAMATE, administration & dosage/ PERMEABILITY/ *RADIOGRAPHIC IMAGE ENHANCEMENT/ *TOMOGRAPHY, COMPUTERIZED AXIAL

2838. **Norman RL, Johnson EF, Muller-Eberhard U:** Identification of the major cytochrome P-450 form transplacentally induced in neonatal rabbits by 3,3,7,8-tetrachlorodibenzo-p-dioxin. J Biol Chem 253(23):8640–7, 10 Dec 78
ANIMAL/ ANIMALS, NEWBORN/ *CYTOCHROME P-450, biosynthesis/ *DIOXINS, pharmacodynamics/ ENZYME INDUCTION, drug effects/ FEMALE/ FETUS/ GEL DIFFUSION TESTS/ KINETICS/ MATERNAL-FETAL EXCHANGE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ PEPTIDE FRAGMENTS, analysis/ *PLACENTA, physiology/ PREGNANCY/ RABBITS/ *TETRACHLORODIBENZODIOXIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2839. **Norris SH, Mankin HJ:** Chronic tenosynovitis of the posterior tibial tendon with new bone formation.
J Bone Joint Surg [Br] 60-B(4):523–6, Nov 78
ADULT/ *ANKLE JOINT, radiography/ *BONE AND BONES, radiography/ CASE REPORT/ CHRONIC DISEASE/ FEMALE/ HUMAN/ *LEG/ MALE/ MIDDLE AGE/ TENDONS, pathology/ TENOSYNOVITIS, pathology/ *TENOSYNOVITIS, radiography/ TENOSYNOVITIS, surgery

2840. **Northover AM:** A morphological study of the effects of 5-hydroxytryptamine and indomethacin on rat mesenteric venules. Br J Exp Pathol 59(4):401–10, Aug 78
ANIMAL/ CARBON/ CELL MOVEMENT/ CELL NUCLEUS, drug effects/ ENDOTHELIUM, drug effects/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ LEUKOCYTES, physiology/ LEUKOCYTES, ultrastructure/ MALE/ *MESENTERIC VEINS, drug effects/ MESENTERIC VEINS, ultrastructure/ MICROSCOPY, ELECTRON/ RATS/ *SEROTONIN, pharmacodynamics/ VENULES, drug effects

2841. **Northup JK, Mansour TE:** Adenylate cyclase from Fasciola hepatica. 2. Role of guanine nucleotides in coupling adenylate cyclase and serotonin receptors. Mol Pharmacol 14(5):820–33, Sep 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CHROMIUM/ ENZYME ACTIVATION, drug effects/ *FASCIOLA HEPATICA, enzymology/ *GUANINE NUCLEOTIDES, physiology/ GUANOSINE TRIPHOSPHATE, analogs & derivatives/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ IN VITRO/ KINETICS/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ PROTEIN BINDING/ *RECEPTORS, SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 2-BROMOLYSERGIC ACID DIETHYLAMIDE, pharmacodynamics

2842. **Northup JK, Mansour TE:** Adenylate cyclase from Fasciola hepatica. 1. Ligand specificity of adenylate cyclase-coupled serotonin receptors. Mol Pharmacol 14(5):804–19, Sep 78
ADENYL CYCLASE, antagonists & inhibitors/ *ADENYL CYCLASE, metabolism/ ANIMAL/ ENZYME ACTIVATION/ *FASCIOLA HEPATICA, enzymology/ IN VITRO/ KINETICS/ LIGANDS/ LYSERGIC ACID DIETHYLAMIDE, analogs & derivatives/ LYSERGIC ACID

DIETHYLAMIDE, pharmacodynamics/ *RECEPTORS, SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2843. **Nortman DF, Coburn JW:** Renal osteodystrophy in end-stage renal failure. Postgrad Med 64(5):123-30, Nov 78
BONE AND BONES, radiography/ CALCIUM, blood/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ MAGNESIUM, blood/ PARATHYROID HORMONE, metabolism/ PARATHYROID HORMONE, physiology/ PHOSPHATES, blood/ *RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, metabolism/ RENAL OSTEODYSTROPHY, radiography/ RENAL OSTEODYSTROPHY, therapy/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREMIA, complications/ UREMIA, metabolism/ VITAMIN D, metabolism

2844. **Nose O, Harada T, Yabuuchi M, et al:** [Cretinism in a newborn infant discovered at mass screening] Horumon To Rinsho 26(11):1144-9, Nov 78 **(Jpn)**
CASE REPORT/ *CRETINISM, diagnosis/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ THYROTROPIN, blood

2845. **Nosenko ND, Reznikov AG:** Preventivnoe deistvie ingibitorov sinteza katekholaminov, serotonina i adrenoblokatorov na vozniknovenie anovuliatornogo sindroma u neonatal'no androgenizirovannykh krys. Soobshchenie 2. Probl Endokrinol (Mosk) 24(6):69-73, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
P-CHLOROPHENYLALANINE, therapeutic use/ ANIMAL/ ANIMALS, NEWBORN/ ANOVULATION, chemically induced/ *ANOVULATION, physiopathology/ COMPARATIVE STUDY/ DROPERIDOL, therapeutic use/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ HYPOTHALAMUS, analysis/ METHYLTYROSINES, therapeutic use/ *OVARY, physiopathology/ PITUITARY GLAND, ANTERIOR, analysis/ PROGESTERONE, blood/ PROLACTIN RELEASING HORMONE, analysis/ PROLACTIN, analysis/ PROPRANOLOL, therapeutic use/ RATS/ TESTOSTERONE, antagonists & inhibitors

2846. **Noske IG, Gooding M:** Evidence of a uteroglobin-like protein in epithelial cells of reproductive and non-reproductive tissues of the rabbit. J Reprod Fertil 54(1):193-6, Sep 78
ANIMAL/ EPITHELIUM, analysis/ ESTRUS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GLYCOPROTEINS, analysis/ MALE/ MAMMAE, analysis/ PSEUDOPREGNANCY/ RABBITS/ SEMINAL VESICLES, analysis/ TESTIS, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTEROGLOBIN, analysis/ *UTERUS, analysis/ VAS DEFERENS, analysis

2847. **Noskov VB, Grigor'ev AI:** Vliianie deksametazona na vodno-solevoi obmen i funktsiiu pochek zdorovogo cheloveka. Farmakol Toksikol 41(6):704-8, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ *DEXAMETHASONE, pharmacodynamics/ DIURESIS, drug effects/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY, drug effects/ MALE/ NATRIURESIS, drug effects/ POTASSIUM, urine/ *WATER-ELECTROLYTE BALANCE, drug effects/ *17-HYDROXYCORTICOSTEROIDS, urine

2848. **Novikov BG, Danilova OV, Garmatina SM:** Sutochnaia tsiklichnost' izmenenii stroeniia i sekretornoi aktivnosti gonadotropotsitov adenogipofiza u domashnikh ptits v period razmnozheniia. Tsitol Genet 12(5):392-6, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *CHICKENS, anatomy & histology/ COMPARATIVE STUDY/ DIURNAL RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ FSH, secretion/ *GEESE, anatomy & histology/ LH, secretion/ MICROSCOPY, ELECTRON/ *PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, secretion/ PITUITARY GLAND, ANTERIOR, ultrastructure/ REPRODUCTION

2849. **Novo-Dominguez A, Sandoval C, Botella-Llusia J:** L'épreuve de tolérance foetale à l'ocytocine antépartum. A propos de 1.827 cas. Signification des 'epreuves prépathologiques'. 'Resultats'. J Gynecol Obstet Biol Reprod (Paris) 7(4):819-26, May-Jun 78 (Eng. Abstr.) **(Fre)**
CESAREAN SECTION/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EXTRACTION, OBSTETRICAL, methods/ FEMALE/ FETAL DISTRESS, diagnosis/ *FETAL HEART, drug effects/ HEART RATE, drug effects/ HUMAN/ INFANT MORTALITY/ INFANT, NEWBORN/ OXYTOCIN, diagnostic use/ *OXYTOCIN, pharmacodynamics/ PREGNANCY/ RISK/ *UTERINE CONTRACTION, drug effects

2850. **Noya M, Castillo J, Lema M, et al:** Miopatía y neuropatía periférica en la acromegalia. Rev Clin Esp 150(3-4):211-4, Aug 78 **(Spa)**
*ACROMEGALY, pathology/ *ADENOMA, CHROMOPHOBE, pathology/ *ADENOMA, EOSINOPHILIC, pathology/ CARPAL TUNNEL SYNDROME, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MIDDLE AGE/ MUSCLES, pathology/ *MUSCULAR DISEASES, pathology/ *PITUITARY NEOPLASMS, pathology

2851. **Nozaki Y, Kato Y, Shimizu S, et al:** [Case of 21-OHlase deficient adrenal gland hyperplasia developing the initial symptoms of adrenal hypofunction with a salt-losing tendency at the 5th month of age] Horumon To Rinsho 26(11):1189-96, Nov 78 **(Jpn)**
*ADRENAL GLAND HYPERFUNCTION, complications/ ADRENAL GLAND HYPERFUNCTION, metabolism/ *ADRENAL GLAND HYPOFUNCTION, etiology/ CASE REPORT/ FEMALE/ HUMAN/ INFANT/ *SODIUM, metabolism/ *STEROID HYDROXYLASES, deficiency

2852. **Numano F:** In vitro effects of estrogen on cyclic nucleotides in the arterial wall. pp. 373-83.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *AORTA, enzymology/ EPINEPHRINE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INSULIN, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MONOGRAPH/ PROGESTERONE, pharmacodynamics/ RABBITS/ UTERUS, enzymology/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

2853. **Numazawa M, Osawa Y:** Improved synthesis of 16alpha-hydroxylated androgens: intermediates of estriol formation in pregnancy. Steroids 32(4):519-27, Nov 78
*ANDROGENS, chemical synthesis/ ANDROGENS, metabolism/ ANIMAL/ DEHYDROEPIANDROSTERONE, analogs & derivatives/ DEHYDROEPIANDROSTERONE, chemical synthesis/ DEHYDROEPIANDROSTERONE, metabolism/ *ESTRIOL, biosynthesis/ FEMALE/ HYDROXYTESTOSTERONES, chemical synthesis/ HYDROXYTESTOSTERONES, metabolism/ METHODS/ NUCLEAR MAGNETIC RESONANCE/ OXIDATION-REDUCTION/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2854. **Nunez EA, Gershon MD:** Formation of apical pseudopods by canine thyroid follicular cells: induction by thyrotropin and 5-hydroxytryptamine; antagonism by reserpine. Anat Rec 192(2):215-24, Oct 78
ANIMAL/ DOGS/ MICROVILLI, ultrastructure/ PSEUDOPODIA, drug effects/ *RESERPINE, pharmacodynamics/ SEROTONIN ANTAGONISTS/ SEROTONIN, metabolism/ *SEROTONIN, pharmacodynamics/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROID GLAND, ultrastructure/ THYROTROPIN, antagonists & inhibitors/ *THYROTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2855. **Nussdorfer GG, Neri G, Mazzocchi G:** Investigations on the turnover of adrenocortical mitochondria. XII. Studies on the mechanism of the ACTH-induced elongation of the half-life of rat zona fasciculata mitochondria. Anat Rec 192(3):435-40,

Nov 78
*ADRENAL CORTEX, ultrastructure/ ANIMAL/ AUTORADIOGRAPHY/ CELL SURVIVAL/ *CORTICOTROPIN, pharmacodynamics/ CORTICOTROPIN, physiology/ DNA, biosynthesis/ HALF-LIFE/ MALE/ *MITOCHONDRIA, growth & development/ PROTEINS, biosynthesis/ RATS

2856. **Nutt JG, Rosin AJ, Eisler T, et al:** Effect of an opiate antagonist on movement disorders. Arch Neurol 35(12):810–1, Dec 78
ADULT/ AGED/ CLINICAL RESEARCH/ ENKEPHALINS, physiology/ HUMAN/ *HUNTINGTON CHOREA, drug therapy/ MIDDLE AGE/ *NALOXONE, analogs & derivatives/ *NALTREXONE, therapeutic use/ *PARKINSON DISEASE, drug therapy

2857. **Nwosu UC, Kaplan MM, Utiger RD, et al:** Surge of fetal plasma triiodothyronine before birth in sheep.
Am J Obstet Gynecol 132(5):489–94, 1 Nov 78
ANIMAL/ FEMALE/ HYDROCORTISONE, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ SHEEP/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2858. **Nylander PP:** Causes of high twinning frequencies in Nigeria.
Prog Clin Biol Res 24 Pt B:35–43, 1978
COMPARATIVE STUDY/ DIET/ ETHNIC GROUPS/ FEMALE/ FSH, blood/ HUMAN/ INFANT, NEWBORN/ NIGERIA/ PREGNANCY/ *PREGNANCY, MULTIPLE/ SCOTLAND/ SOCIAL CLASS/ *TWINS/ TWINS, DIZYGOTIC

O

2859. **Obenauf CD, Shaw HE, Sydnor CF, et al:** Sarcoidosis and its ophthalmic manifestations. Am J Ophthalmol 86(5):648–55, Nov 78
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ EXOPHTHALMOS, complications/ EYE DISEASES, complications/ *EYE MANIFESTATIONS/ FEMALE/ GLAUCOMA, complications/ GRANULOMA, complications/ HUMAN/ INFANT/ INFANT, NEWBORN/ IRIDOCYCLITIS, complications/ IRITIS, complications/ LUNG DISEASES, complications/ MALE/ MIDDLE AGE/ *SARCOIDOSIS, complications/ SARCOIDOSIS, diagnosis/ SARCOIDOSIS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UVEITIS, etiology

2860. **Ober KP, Hennessy JF:** Spironolactone therapy for hirsutism in a hyperandrogenic woman. Ann Intern Med 89(5 Pt 1):643–4, Nov 78
ADULT/ *ANDROGENS, blood/ CASE REPORT/ FEMALE/ *HIRSUTISM, drug therapy/ HUMAN/ HYPERTENSION, complications/ *SPIRONOLACTONE, therapeutic use

2861. **Ochi Y, Hachiya T, Kajita Y, et al:** Changes in the cyclic nucleotides of rat thyroid, pituitary and plasma caused by methylthiouracil treatment. Endocrinol Jpn 25(4):329–34, Aug 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MALE/ *METHYLTHIOURACIL, pharmacodynamics/ ORGAN WEIGHT/ PHOSPHODIESTERASES, metabolism/ *PITUITARY GLAND, metabolism/ RATS/ *THYROID GLAND, metabolism

2862. **Odell WD:** The difference between the sexes in their gonadotrophin responses to oestrogen or oestrogen–progestogen treatments [letter]
Clin Endocrinol (Oxf) 9(4):387–8, Oct 78
ANIMAL/ *ESTROGENS, pharmacodynamics/ FEEDBACK/ FEMALE/ *FSH, secretion/ HUMAN/ *LH, secretion/ MALE/ *PROGESTATIONAL HORMONES, pharmacodynamics/ SECRETORY RATE, drug effects/ SEX FACTORS

2863. **Oei TP, King MG:** Effects of extended training on rats depleted of central and/or peripheral catecholamines.
Pharmacol Biochem Behav 9(2):243–7, Aug 78
ANIMAL/ AVOIDANCE LEARNING, drug effects/ *AVOIDANCE LEARNING, physiology/ BRAIN CHEMISTRY, drug effects/ CATECHOLAMINES, blood/ *CATECHOLAMINES, physiology/ CORTICOSTERONE, blood/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ MYOCARDIUM, metabolism/ RATS/ TIME FACTORS

2864. **Oelsner G, Serr DM, Mashiach S, et al:** The study of induction of ovulation with menotropins: analysis of results of 1897 treatment cycles. Fertil Steril 30(5):538–44, Nov 78
AMENORRHEA, drug therapy/ ESTROGENS, deficiency/ FEMALE/ HUMAN/ *MENOTROPINS, pharmacodynamics/ MENOTROPINS, therapeutic use/ *OVULATION INDUCTION/ PREGNANCY/ PROSPECTIVE STUDIES

2865. **Oelsner G, Kraiem Z, Lunenfeld B, et al:** Congenital adrenal hyperplasia. I. Problems of management associated with late diagnosis. II. Response to gonadotrophin releasing hormone.
Monogr Hum Genet 10:178–80, 1978
ADOLESCENCE/ *ADRENAL GLAND HYPERFUNCTION, diagnosis/ *ADRENAL GLAND HYPERFUNCTION, drug therapy/ ADRENAL GLAND HYPERFUNCTION, metabolism/ CASE REPORT/ FSH, blood/ HUMAN/ HYDROCORTISONE, blood/ LH, blood/ *LH-FSH RELEASING HORMONE, therapeutic use/ MALE/ PREGNANES, urine/ PROGESTERONE, blood/ TESTOSTERONE, blood/ 17-KETOSTEROIDS, urine

2866. **Offermann G, Sörensen R, Häring R:** Immunreaktives Parathormon in Schilddrüsenvenenblut. Klin Wochenschr 56(20):1007–12, 15 Oct 78 (Eng. Abstr.) **(Ger)**
CHROMATOGRAPHY, GEL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *HYPERPARATHYROIDISM, blood/ *HYPERPARATHYROIDISM, SECONDARY, blood/ IMMUNE SERUMS/ NECK, blood supply/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, immunology/ PEPTIDE FRAGMENTS/ THYROID GLAND, blood supply/ VEINS

2867. **Ogawa S, Kitsunai Y, Takahashi S, et al:** [Studies on oxytocin secretion during pregnancy, labor and post-delivery in the human (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1229–37, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LABOR/ *OXYTOCIN, blood/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ PROSTAGLANDINS F, administration & dosage/ *PUERPERIUM

2868. **Ogbuawa O, Singleton G, Williams JT, et al:** Blood chemistry abnormalities in bacterial endocarditis of narcotic addicts.
South Med J 71(12):1526–9, Dec 78
ADULT/ *DRUG DEPENDENCE, complications/ ELECTROLYTES, blood/ ENDOCARDITIS, BACTERIAL, blood/ ENDOCARDITIS, BACTERIAL, complications/ *ENDOCARDITIS, BACTERIAL, diagnosis/ FEMALE/ HOSPITALIZATION/ HUMAN/ HYPONATREMIA, complications/ INAPPROPRIATE ADH SYNDROME, complications/ INAPPROPRIATE ADH SYNDROME, diagnosis/ MALE/ *NARCOTICS/ OSMOLAR CONCENTRATION/ SERUM ALBUMIN, analysis

2869. **Ogihara T, Hata T, Maruyama A, et al:** [A study on the pathophysiology and diagnosis of adrenocortical insufficiency using angiotensin II blocker (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1262–70, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ADDISON'S DISEASE, diagnosis/ ADDISON'S DISEASE, physiopathology/ *ADRENAL GLAND HYPOFUNCTION, diagnosis/ ADRENAL GLAND HYPOFUNCTION, physiopathology/ ADRENALECTOMY/ ADULT/ ALDOSTERONE, blood/ *ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, diagnostic use/ BLOOD PRESSURE/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

2870. **Ogle CW, Cho CH:** Studies on the action of zinc on the gastric effects of starvation or reserpine in rats with increased

stomach mast cell populations. Pharmacol Res Commun 10(7):597–608, Jul 78
ADRENALECTOMY/ ANIMAL/ FEMALE/ *MAST CELLS, drug effects/ RATS/ *RESERPINE, pharmacodynamics/ *STARVATION, physiopathology/ STOMACH, cytology/ *STOMACH, drug effects/ TIME FACTORS/ *ZINC, pharmacodynamics

2871. **Oh MS, Carroll HJ:** The renin–aldosterone system and thiazide–induced depletion of total body potassium in essential hypertension. Nephron 21(5):269–76, 1978
ADULT/ AGED/ ALDOSTERONE, urine/ BODY WEIGHT/ CHLOROTHIAZIDE, administration & dosage/ *CHLOROTHIAZIDE, adverse effects/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ *HYPOKALEMIA, chemically induced/ HYPOKALEMIA, prevention & control/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ POTASSIUM, urine/ *PROPRANOLOL, administration & dosage/ RENIN, blood/ SODIUM, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2872. **Ohara J, Kishimoto T, Yamamura Y:** In vitro immune response of human peripheral lymphocytes. III. Effect of anti–mu or anti–delta antibody on PWM–induced increase of cyclic nucleotides in human B lymphocytes. J Immunol 121(5):2088–96, Nov 78
ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, biosynthesis/ *ANTIBODIES/ B–LYMPHOCYTES, immunology/ GUANOSINE CYCLIC–3',5'–MONOPHOSPHATE, biosynthesis/ HUMAN/ *IMMUNITY, CELLULAR/ *IMMUNOGLOBULINS, DELTA CHAIN/ *IMMUNOGLOBULINS, HEAVY CHAIN/ *IMMUNOGLOBULINS, MU CHAIN/ *LYMPHOCYTES, immunology/ *POKEWEED MITOGENS, pharmacodynamics/ TIME FACTORS

2873. **Ohata M:** [Idiopathic hypercalciuria (author's transl)] Nippon Rinsho 36(10):3413–6, Oct 78 **(Jpn)**
*CALCIUM, urine/ HUMAN/ PARATHYROID HORMONE, physiology/ VITAMIN D, blood

2874. **Ohkura T:** [Study on the pituitary response to [Des–Gly10–NH2, Pro9–ethylamide]–LH–RH in women with normal menstrual cycles (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1079–102, 20 Sep 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ FSH, blood/ *GONADOTROPINS, PITUITARY, biosynthesis/ HUMAN/ LH, blood/ *LH–FSH RELEASING HORMONE, pharmacodynamics/ *MENSTRUATION, drug effects/ MENSTRUATION, FOLLICULAR PHASE, drug effects/ MENSTRUATION, LUTEAL PHASE, drug effects

2875. **Ohlson L:** Topography of ovarian veins in pregnancy. Acta Radiol [Diagn] (Stockh) 19(4):669–74, 1978
FEMALE/ HUMAN/ *OVARY, blood supply/ PHLEBOGRAPHY/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ *PREGNANCY/ STRESS, MECHANICAL/ URETER, radiography

2876. **Ohman R, Axelsson R:** Relationship between prolactin response and antipsychotic effect of thioridazine in psychiatric patients. Eur J Clin Pharmacol 14(2):111–6, 16 Nov 78
ADOLESCENCE/ ADULT/ AGED/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ PSYCHIATRIC STATUS RATING SCALES/ *PSYCHOSES, drug therapy/ THIORIDAZINE, administration & dosage/ THIORIDAZINE, pharmacodynamics/ *THIORIDAZINE, therapeutic use

2877. **Ohno S:** Testosterone and cellular response. Birth Defects 13(2):99–106, 1977 (24 ref.)
FEMALE/ GENES/ GERM LAYERS, physiology/ H–Y ANTIGEN/ HUMAN/ HYPOTHALAMO–HYPOPHYSEAL SYSTEM, physiology/ MALE/ MICE/ MORPHOGENESIS/ MUTATION/ OPERON/ PROLACTIN, secretion/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ REVIEW/ STANOLONE, metabolism/ TESTICULAR FEMINIZATION/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2878. **Ohta S, Shimizu S, Fujisawa S, et al:** Neonatal adrenal abscess due to Bacteroides. J Pediatr 93(6):1063–4, Dec 78
*ABSCESS, etiology/ *ADRENAL GLAND DISEASES, etiology/ *BACTEROIDES INFECTIONS/ BACTEROIDES INFECTIONS, diagnosis/ CASE REPORT/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, etiology/ MALE

2879. **Ohtaki S:** Suppressive effects on simian virus 40–induced oncogenesis of several immunosuppressive agents and hormonal modifications applied during the latent period. Cancer Res 38(12):4698–710, Dec 78 (47 ref.)
AGE FACTORS/ ANIMAL/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ CORTISONE, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ *ESTRONE, pharmacodynamics/ FEMALE/ HAMSTERS/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ MALE/ MESOCRICETUS/ OVARY, physiology/ PREGNANCY/ REVIEW/ SV40 VIRUS/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics/ THYMUS GLAND, physiology/ TUMOR VIRUS INFECTIONS, etiology/ *TUMOR VIRUS INFECTIONS, prevention & control

2880. **Oi S, Ciric IS:** [Transsphenoidal microneurosurgery.--Part 1. Operative technique and results of 150 cases (author's transl)] Neurol Med Chir (Tokyo) 18(9 Pt 2):641–7, Oct 78 (Eng. Abstr.) **(Jpn)**
*ADENOMA, surgery/ ENGLISH ABSTRACT/ FOLLOW–UP STUDIES/ HUMAN/ *HYPOPHYSECTOMY, methods/ *MICROSURGERY, methods/ *PITUITARY NEOPLASMS, surgery/ SPHENOID SINUS

2881. **Ojeda SR, McCann SM:** Control of LH and FSH release by LHRH: influence of putative neurotransmitters. Clin Obstet Gynaecol 5(2):283–303, Aug 78 (72 ref.)
ACETYLCHOLINE, physiology/ ADENOSINE CYCLIC–3',5'–MONOPHOSPHATE, physiology/ AMINO ACIDS, physiology/ ANIMAL/ DOPAMINE, physiology/ *FSH, secretion/ GUANOSINE CYCLIC–3',5'–MONOPHOSPHATE, physiology/ HISTAMINE, physiology/ HUMAN/ *LH, secretion/ LH–FSH RELEASING HORMONE, metabolism/ *LH–FSH RELEASING HORMONE, physiology/ MEDIAN EMINENCE, metabolism/ *NEUROHUMORS, physiology/ NOREPINEPHRINE, physiology/ PREOPTIC AREA, metabolism/ PROSTAGLANDINS E, physiology/ REVIEW/ SEROTONIN, physiology/ SEX HORMONES, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2882. **Ojeda Casas VJ:** Estudio histopatológico de las glándulas paratiroides en 110 necropsias de rutina. Rev Med Chil 106(9):686–94, Sep 78 (Eng. Abstr.) **(Spa)**
ADENOMA, pathology/ ADULT/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERPLASIA, pathology/ MALE/ MIDDLE AGE/ PARATHYROID DISEASES, pathology/ *PARATHYROID GLANDS, pathology/ PARATHYROID NEOPLASMS, pathology

2883. **Oka E, Fujita C, Ohtahara S, et al:** [Diabetes insipidus in children--long–term follow–up study] No To Shinkei 30(8):923–8, Aug 78 (Eng. Abstr.) **(Jpn)**
*ASTROCYTOMA, complications/ ASTROCYTOMA, diagnosis/ *BRAIN NEOPLASMS, complications/ BRAIN NEOPLASMS, diagnosis/ CHILD/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS, diagnosis/ DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, etiology/ DIAGNOSIS, DIFFERENTIAL/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW–UP STUDIES/ HUMAN/ INFANT/ MALE/ *VASOPRESSINS, therapeutic use

2884. **Oka M, Nakashima K, Sakoda R:** Torsion of the mesorchium--the testis twisted upon the epididymis. Br J Urol 50(6):428, Oct 78
CASE REPORT/ CHILD/ *EPIDIDYMIS, pathology/ HUMAN/ MALE/ *SPERMATIC CORD TORSION, pathology/ TESTIS, abnormalities

2885. **Oka N, Sumikawa K, Takeda Y, et al:** [Morphine in the anesthetic management of pheochromocytoma (author's

transl)] Masui 27(12):1489–90, Nov 78 (Eng. Abstr.) **(Jpn)**
*ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ AGED/ *ANESTHESIA, INTRAVENOUS/ CASE REPORT/ CATECHOLAMINES, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MORPHINE/ *PHEOCHROMOCYTOMA, surgery

2886. **Okabe S, Tabata K, Ishihara Y, et al:** [Irritative activity of antiinflammatory agents, betamethasone 17–valerate, beclomethasone 17, 21–dipropionate, betamethasone 17, 21–dipropionate, or indomethacin on the gastrointestinal tract in rats and dogs (author's transl)]
Nippon Yakurigaku Zasshi 74(6):773–81, Sep 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ANTI-INFLAMMATORY AGENTS, administration & dosage/ *ANTI-INFLAMMATORY AGENTS, adverse effects/ ASPIRIN, administration & dosage/ ASPIRIN, adverse effects/ *BECLOMETHASONE, adverse effects/ BETAMETHASONE 17-VALERATE, adverse effects/ *BETAMETHASONE, adverse effects/ CHRONIC DISEASE/ DOGS/ ENGLISH ABSTRACT/ *GASTROINTESTINAL SYSTEM, drug effects/ *INDOMETHACIN, adverse effects/ *IRRITANTS/ MALE/ RATS/ STOMACH ULCER, chemically induced

2887. **Okamura K:** [Iodoamino acid synthesis in vitro with excellent yield of iodothyronines (author's transl)]
Fukuoka Igaku Zasshi 69(9):414–26, Sep 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ENGLISH ABSTRACT/ IN VITRO/ MALE/ METHODS/ RATS/ *THYROID GLAND, metabolism/ *THYRONINES, biosynthesis

2888. **Okamura N, Terayama H:** Change of coupling system of receptor–adenylate cyclase induced by epinephrine and GTP in plasma membranes of rat liver. Biochim Biophys Acta 544(1):113–27, 15 Nov 78
*ADENYL CYCLASE, metabolism/ ALPRENOLOL, analogs & derivatives/ ALPRENOLOL, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ EPINEPHRINE, metabolism/ *EPINEPHRINE, pharmacodynamics/ GUANINE NUCLEOTIDES, pharmacodynamics/ *GUANOSINE TRIPHOSPHATE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, ADRENERGIC, BETA, drug effects/ *RECEPTORS, ADRENERGIC, BETA, metabolism

2889. **Okonmah AD, Soliman KF:** CNS stimulation effect on the sexual maturation of the female rat. Experientia 34(9):1238–9, 15 Sep 78
ANIMAL/ BODY WEIGHT, drug effects/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ ORGAN WEIGHT, drug effects/ OVARY, anatomy & histology/ *PENTYLENETETRAZOLE, pharmacodynamics/ RATS/ *SEX MATURATION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, anatomy & histology

2890. **Okulicz G:** Innenohrhörstörung nach Langzeiteinnahme hormonaler Kontrazeptiva. HNO 26(10):330–4, Oct 78 (Eng. Abstr.) **(Ger)**
ADULT/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HEADACHE, chemically induced/ *HEARING LOSS, BILATERAL, chemically induced/ *HEARING LOSS, PARTIAL, chemically induced/ HUMAN

2891. **Okun DB, Tanaka KR:** Leukocyte alkaline phosphatase. Am J Hematol 4(3):293–9, 1978 (56 ref.)
ALKALINE PHOSPHATASE, deficiency/ *ALKALINE PHOSPHATASE, metabolism/ CELL DIFFERENTIATION/ CONTRACEPTIVES, ORAL, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *LEUKOCYTES, enzymology/ MENSTRUATION/ METHODS/ MYELOPROLIFERATIVE DISORDERS, metabolism/ NEUTROPHILS, cytology/ PREGNANCY/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2892. **Oldham SB, Smith R, Hartenbower DL, et al:** Effects of 1,25–dihydroxycholecalciferol on serum calcium, phosphate, and immunoreactive parathyroid hormone in dogs. Adv Exp Med Biol 103:509–16, 1978
ANIMAL/ *CALCIUM, blood/ CALCIUM, pharmacodynamics/ DIET/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DOGS/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *PARATHYROID HORMONE, blood/ *PHOSPHATES, blood/ TIME FACTORS

2893. **Oliveira MM, Machado RD, Chagas C:** Calcium binding to electroplax membranes from Electrophorus electricus. Comp Biochem Physiol [C] 61C(1):17–22, 1978
ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ BINDING SITES/ *CALCIUM, metabolism/ CATIONS, DIVALENT, pharmacodynamics/ *ELECTRIC ORGAN, metabolism/ *ELECTROPHORUS, metabolism/ MEMBRANES, metabolism/ RECEPTORS, CHOLINERGIC, metabolism/ SUBCELLULAR FRACTIONS, metabolism

2894. **Oliver C, Gillioz P, Giraud P, et al:** Degradation of TRH and its analogues by rat serum and brain homogenate. Biochem Biophys Res Commun 84(4):1097–102, 30 Oct 78
AMINO ACIDS/ ANIMAL/ *BRAIN, metabolism/ HISTIDINE/ MALE/ PROLINE/ PYRROLIDONECARBOXYLIC ACID/ RATS/ STEREOISOMERS/ STRUCTURE–ACTIVITY RELATIONSHIP/ *THYROTROPIN RELEASING HORMONE, analogs & derivatives/ THYROTROPIN RELEASING HORMONE, blood/ *THYROTROPIN RELEASING HORMONE, metabolism

2895. **Ollier MP, Hartmann L, Brecy H:** Expression moléculaire de l'inhibiteur de la C1 estérase au cours de l'oedème angio–neurotique héréditaire. Nouv Presse Med 7(33):2933–8, 30 Sep 78 (Eng. Abstr.) **(Fre)**
ANDROGENS, therapeutic use/ ANGIONEUROTIC EDEMA, drug therapy/ *ANGIONEUROTIC EDEMA, familial & genetic/ ANGIONEUROTIC EDEMA, immunology/ *COMPLEMENT 1 INACTIVATORS, genetics/ ENGLISH ABSTRACT/ FEMALE/ GENES, STRUCTURAL/ GLYCOPROTEINS, genetics/ HAPLOIDY/ HAPTOGLOBINS, analysis/ HUMAN/ MALE/ PEDIGREE/ PHENOTYPE

2896. **Olsen UB:** The effects of ureteral occlusion and renal venous constriction on kidney kallikrein–kinin and prostaglandin systems in dogs. Acta Physiol Scand 104(4):443–52, Dec 78
ANIMAL/ CREATININE, urine/ DOGS/ FEMALE/ INDOMETHACIN, administration & dosage/ *KALLIKREIN, urine/ KIDNEY, enzymology/ *KIDNEY, metabolism/ KIDNEY, physiology/ *KININS, urine/ NATRIURESIS/ PROSTAGLANDIN ANTAGONISTS/ *PROSTAGLANDINS, urine/ *RENAL VEINS/ *URETER, physiology/ URODYNAMICS, drug effects/ VASODILATION, drug effects

2897. **Ol'shanetskii AA, Pereiaslovets VN, Chapov AV, et al:** Narushenie adaptatsionnykh reaktsii simpatiko–adrenalovoi sistemy pri tromboobliteriruiushchikh zabolevaiiakh. Klin Med (Mosk) 56(11):97–101, Nov 78 **(Rus)**
*ADAPTATION, PHYSIOLOGICAL/ ADAPTATION, PHYSIOLOGICAL, drug effects/ *ADRENAL GLANDS, physiopathology/ ANIMAL/ EPINEPHRINE, blood/ HUMAN/ MALE/ NOREPINEPHRINE, blood/ PYROGENS, diagnostic use/ RABBITS/ STRESS, physiopathology/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology/ *THROMBOSIS, physiopathology

2898. **Omdahl JL:** Interaction of the parathyroid and 1,25–dihydroxyvitamin D3 in the control of renal 25–hydroxyvitamin D3 metabolism. J Biol Chem 253(23):8474–8, 10 Dec 78
ANIMAL/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DOSE–RESPONSE RELATIONSHIP, DRUG/ FEEDBACK/ *HYDROXYCHOLECALCIFEROLS, metabolism/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ *PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ TISSUE EXTRACTS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2899. **Omel'chenko VP, Karkishchenko NN:** Kolichestvennyĭ analiz

élektrogramm mozga pri deĭstvii biogennykh aminov. Farmakol Toksikol 41(6):666–70, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *BIOGENIC AMINES, pharmacodynamics/ BIOGENIC AMINES, physiology/ BRAIN CHEMISTRY, drug effects/ *BRAIN, drug effects/ CATS/ COCAINE, pharmacodynamics/ COMPARATIVE STUDY/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ HYDROXYTRYPTOPHAN, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHYSOSTIGMINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ THALAMIC NUCLEI, drug effects

2900. **Omodeo-Sale F, Brady RO, Fishman PH:** Effect of thyroid phospholipids on the interaction of thyrotropin with thyroid membranes. Proc Natl Acad Sci USA 75(11):5301–5, Nov 78
ANIMAL/ CATTLE/ CELL MEMBRANE, metabolism/ KINETICS/ PHOSPHOLIPASE, pharmacodynamics/ PHOSPHOLIPIDS, isolation & purification/ *PHOSPHOLIPIDS, metabolism/ PROTEIN BINDING/ *THYROID GLAND, metabolism/ *THYROTROPIN, metabolism

2901. **Onadeko BO:** Tuberculous pleural effusion: clinical patterns and management in Nigerians. Tubercle 59(4):269–75, Dec 78
P-AMINOSALICYLIC ACID, therapeutic use/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ FEMALE/ HUMAN/ ISONIAZID, therapeutic use/ MALE/ MIDDLE AGE/ NIGERIA/ PLEURAL EFFUSION, drug therapy/ *PLEURAL EFFUSION, etiology/ PREDNISOLONE, therapeutic use/ PROGNOSIS/ *TUBERCULOSIS, PLEURAL, complications/ TUBERCULOSIS, PLEURAL, drug therapy

2902. **O'Neill JP, Hsie AW:** Growth arrest of Chinese hamster ovary cells in serum-free medium: changes in cell morphology and the intracellular and prostaglandin-induced levels of cyclic AMP. J Cyclic Nucleotide Res 4(3):169–74, Jun 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BLOOD/ *CELL CYCLE/ CELLS, CULTURED, cytology/ CULTURE MEDIA/ *PROSTAGLANDINS E, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2903. **Onishi S, Ito S, Nishimura Y, et al:** [Symptoms of cretinism in newborn infants and follow-up studies--with special reference to 13 cases discovered within 3 months since birth] Horumon To Rinsho 26(11):1155–62, Nov 78 **(Jpn)**
*CRETINISM, diagnosis/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MALE

2904. **Ono S, Hirano H, Obara K:** Effect of calcium ion on the cortisol-binding protein in the lens and blood plasma. Int J Vitam Nutr Res 48(3):301–3, 1978
ANIMAL/ *CALCIUM, pharmacodynamics/ EGTA, pharmacodynamics/ *LENS, CRYSTALLINE, metabolism/ MALE/ PROTEIN BINDING, drug effects/ RATS/ TRANSCORTIN, blood/ *TRANSCORTIN, metabolism

2905. **Oosterling RJ, Nobrega RE, Du Boeuff JA, et al:** Impetigo herpetiformis or generalized pustular psoriasis? Arch Dermatol 114(10):1527–9, Oct 78
ADULT/ BIOPSY/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *IMPETIGO, diagnosis/ IMPETIGO, drug therapy/ IMPETIGO, pathology/ PREDNISONE, therapeutic use/ *PREGNANCY COMPLICATIONS, INFECTIOUS, diagnosis/ PREGNANCY COMPLICATIONS, INFECTIOUS, drug therapy/ PREGNANCY COMPLICATIONS, INFECTIOUS, pathology/ PREGNANCY/ *PSORIASIS, diagnosis

2906. **Opie LH, Muller CA, Lubbe WF:** Cyclic A.M.P. and arrhythmias revisited. Lancet 2(8096):921–3, 28 Oct 78
ACTION POTENTIALS/ ACUTE DISEASE/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FATTY ACIDS, metabolism/ GLUCOSE, metabolism/ HUMAN/ HYPERKALEMIA, physiopathology/ LACTATES, metabolism/ MYOCARDIAL INFARCTION, physiopathology/ *MYOCARDIUM, metabolism/ PAPILLARY MUSCLES, physiopathology/ POTASSIUM, metabolism/ RATS/ SWINE/ *VENTRICULAR FIBRILLATION, etiology

2907. **Opie LH, Nathan D, Lubbe WF:** Biochemical aspects of arrhythmogenesis and ventricular fibrillation. Am J Cardiol 43(1):131–48, Jan 79 (161 ref.)
ACTION POTENTIALS/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ANIMAL/ ANTI-ARRHYTHMIA AGENTS, adverse effects/ ANTI-ARRHYTHMIA AGENTS, therapeutic use/ ARRHYTHMIA, drug therapy/ *ARRHYTHMIA, metabolism/ ARRHYTHMIA, physiopathology/ *CATECHOLAMINES, metabolism/ CATECHOLAMINES, physiology/ DIBUTYRYL CYCLIC AMP, diagnostic use/ *FATTY ACIDS, NONESTERIFIED, blood/ *GLYCOLYSIS/ HUMAN/ HYPERKALEMIA, complications/ *LACTATES, blood/ MEMBRANE POTENTIALS/ *MYOCARDIAL INFARCTION, complications/ *MYOCARDIUM, metabolism/ *POTASSIUM, metabolism/ PURKINJE FIBERS, physiopathology/ REVIEW/ THEOPHYLLINE, diagnostic use/ VENTRICULAR FIBRILLATION, drug therapy/ *VENTRICULAR FIBRILLATION, metabolism/ VENTRICULAR FIBRILLATION, physiopathology

2908. **O'Regan S, Chesney RW, Hamstra A, et al:** Reduced serum 1,25-(OH)2 vitamin D3 levels in prednisone-treated adolescents with systemic lupus erythematosus. Acta Paediatr Scand 68(1):109–11, Jan 79
ADOLESCENCE/ ADULT/ CHILD/ CHOLECALCIFEROLS, administration & dosage/ CHOLECALCIFEROLS, therapeutic use/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ OSTEONECROSIS, blood/ *OSTEONECROSIS, chemically induced/ *PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ TIME FACTORS

2909. **Oren ME, Cohen MS:** Immune thrombocytopenia, red cell aplasia, lupus, and hyperthyroidism. South Med J 71(12):1577–8, Dec 78
*ANEMIA, APLASTIC, complications/ *AUTOIMMUNE DISEASES/ CASE REPORT/ HUMAN/ *HYPERTHYROIDISM, complications/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ MIDDLE AGE/ *THROMBOPENIA, complications

2910. **Oren VO, Uszler JM:** Liver metastases of oat cell carcinoma of lung detected on 99mTc-diphosphonate bone scan. Clin Nucl Med 3(9):355–8, Sep 78
AGED/ *BONE AND BONES, radionuclide imaging/ *CARCINOMA, OAT CELL, radionuclide imaging/ CASE REPORT/ HUMAN/ *LIVER NEOPLASMS, radionuclide imaging/ *LIVER, radionuclide imaging/ *LUNG NEOPLASMS/ MALE/ NEOPLASM METASTASIS/ TECHNETIUM, diagnostic use

2911. **Orenstein NS, Dvorak HF, Blanchard MH, et al:** Nerve growth factor: a protease that can activate plasminogen. Proc Natl Acad Sci USA 75(11):5497–500, Nov 78
ANIMAL/ ENZYME ACTIVATION/ FIBRINOLYSIN/ HUMAN/ KINETICS/ MALE/ MICE/ *NERVE GROWTH FACTOR, metabolism/ *PEPTIDE HYDROLASES, metabolism/ *PLASMINOGEN, metabolism/ SUBMANDIBULAR GLAND/ SUBSTRATE SPECIFICITY/ TRYPSIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2912. **Orentreich N:** Medical treatment of baldness. Ann Plast Surg 1(1):116–8, Jan 78
ADULT/ AGE FACTORS/ *ALOPECIA, drug therapy/ ALOPECIA, familial & genetic/ CYPROTERONE, therapeutic use/ HUMAN/ HYDROXYTESTOSTERONES, antagonists & inhibitors/ HYDROXYTESTOSTERONES, blood/ MALE/ MIDDLE AGE/ PROGESTERONE, therapeutic use

2913. **Orestenko IuN, Kovalev NM:** Vliianie cherepno-mozgovoi travmy na reaktivnye osobennosti sosudov gipotalamusa i gippokampa pri gipoksii. Kosm Biol Aviakosm Med 12(6):76–9, Nov–Dec 78 **(Rus)**
ALTITUDE/ ANIMAL/ *ANOXIA,

physiopathology/ *BRAIN INJURIES, ACUTE, physiopathology/ *HIPPOCAMPUS, blood supply/ *HYPOTHALAMUS, blood supply/ *HYPOTHALAMUS, ANTERIOR, blood supply/ RATS/ *SKULL, injuries/ TIME FACTORS/ VASCULAR RESISTANCE

2914. **Orimo H:** [Pseudohypoparathyroidism] Nippon Rinsho 36(10):3355–8, Oct 78 **(Jpn)**
HUMAN/ *PSEUDOHYPOPARATHYROIDISM/ PSEUDOHYPOPARATHYROIDISM, diagnosis/ PSEUDOHYPOPARATHYROIDISM, etiology

2915. **Orita Y, Mikami H, Abe H:** [Fanconi syndrome and related diseases--their etiological mechanisms] Nippon Rinsho 36(10):3404–8, Oct 78 **(Jpn)**
*CALCIUM, metabolism/ *FANCONI SYNDROME, etiology/ HUMAN/ *PHOSPHORUS, metabolism

2916. **Orlacchio A, Flagiello A, Mozzi R, et al:** The effect of prostaglandins F2alpha and E2 on rat brain N-acetyl-beta-D-glucosaminidase in vitro. Pharmacol Res Commun 10(9):839–50, Oct 78
*ACETYLGLUCOSAMINIDASE, antagonists & inhibitors/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *BRAIN, enzymology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIBUTYRYL CYCLIC GMP, pharmacodynamics/ *GLUCOSAMINIDASE, antagonists & inhibitors/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ GUANOSINE MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ MALE/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, pharmacodynamics/ RATS

2917. **Orlov VS:** Ul'trastructurnye osobennosti pochki pri deĭstvii antidiureticheskogo gormona. Biull Eksp Biol Med 86(11):613–6, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ ENGLISH ABSTRACT/ EXTRACELLULAR SPACE/ INTERCELLULAR JUNCTIONS, ultrastructure/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ RATS/ *VASOPRESSINS, pharmacodynamics/ WATER, metabolism

2918. **Orlova VG, Pshenichnikova TIa, Fuks MA:** Osobennosti ékskretsii estrogenov v I trimestre beremennosti, nastupivsheĭ posle stimuliatsii ovuliatsii. Vopr Okhr Materin Det 23(9):80–2, Sep 78 (Eng. Abstr.) **(Rus)**
ENGLISH ABSTRACT/ *ESTROGENS, blood/ FEMALE/ HUMAN/ *OVULATION, drug effects/ *PREGNANCY TRIMESTER, FIRST/ PREGNANCY

2919. **Ornoy A, Goodwin D, Noff D, et al:** 24, 25-dihydroxyvitamin D is a metabolite of vitamin D essential for bone formation. Nature 276(5687):517–9, 30 Nov 78
ANIMAL/ BONE AND BONES, pathology/ CALCIUM, blood/ CHICKENS/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *DIHYDROXYCHOLECALCIFEROLS, physiology/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *HYDROXYCHOLECALCIFEROLS, physiology/ *OSTEOGENESIS/ OSTEOGENESIS, drug effects/ PHOSPHATES, blood/ RICKETS, blood/ RICKETS, pathology/ STRUCTURE-ACTIVITY RELATIONSHIP

2920. **Orr W, Varani J, Gondex MK, et al:** Chemotactic responses of tumor cells to products of resorbing bone. Science 203(4376):176–9, 12 Jan 79
*BONE AND BONES, physiopathology/ *BONE RESORPTION, physiopathology/ *CARCINOMA 256, WALKER, physiopathology/ CELL LINE/ CELL MOVEMENT/ *CHEMOTAXIS/ CHEMOTAXIS, LEUKOCYTE/ LYMPHOMA, physiopathology/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL, physiopathology/ ORGAN CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2921. **Orrego H, Kalant H, Israel Y, et al:** Effect of short-term therapy with propylthiouracil in patients with alcoholic liver disease. Gastroenterology 76(1):105–15, Jan 79
DOUBLE-BLIND METHOD/ DRUG EVALUATION/ FATTY LIVER, ALCOHOLIC, blood/ FATTY LIVER, ALCOHOLIC, drug therapy/ FATTY LIVER, ALCOHOLIC, physiopathology/ HEPATITIS, ALCOHOLIC, blood/ HEPATITIS, ALCOHOLIC, drug therapy/ HEPATITIS, ALCOHOLIC, physiopathology/ HUMAN/ LIVER CIRRHOSIS, ALCOHOLIC, blood/ LIVER CIRRHOSIS, ALCOHOLIC, drug therapy/ LIVER CIRRHOSIS, ALCOHOLIC, physiopathology/ LIVER DISEASES, ALCOHOLIC, blood/ *LIVER DISEASES, ALCOHOLIC, drug therapy/ LIVER DISEASES, ALCOHOLIC, physiopathology/ LIVER FUNCTION TESTS/ LIVER, physiopathology/ PLACEBOS/ PROPYLTHIOURACIL, administration & dosage/ PROPYLTHIOURACIL, adverse effects/ *PROPYLTHIOURACIL, therapeutic use/ PROTHROMBIN TIME/ TIME FACTORS

2922. **Ortega FJ, López-Novoa JM, Rengel MA, et al:** Effect of propranolol on glycerol induced acute renal failure in rats. Rev Esp Fisiol 34(3):277–83, Sep 78
CREATININE, analysis/ DIURESIS, drug effects/ FEMALE/ GLYCERIN/ INJECTIONS, INTRAMUSCULAR/ *KIDNEY FAILURE, ACUTE, chemically induced/ KIDNEY FAILURE, ACUTE, physiopathology/ *KIDNEY GLOMERULUS, drug effects/ POTASSIUM, analysis/ PROPRANOLOL, administration & dosage/ *PROPRANOLOL, pharmacodynamics/ RATS/ RENIN, secretion/ SODIUM, analysis/ URINE, analysis

2923. **Ortez RA:** A semi quantitative method for cyclic nucleotide localization by immunocytochemistry and its application in determining the distribution of cyclic AMP in lungs of normal and pertussis-vaccinated mice following histamine or epinephrine challenge. J Cyclic Nucleotide Res 4(4):233–44, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BLOOD VESSELS, metabolism/ *EPINEPHRINE, pharmacodynamics/ FEMALE/ *HISTAMINE, pharmacodynamics/ IMMUNOLOGIC TECHNICS/ LUNG, blood supply/ LUNG, drug effects/ *LUNG, metabolism/ MICE/ *PERTUSSIS VACCINE, immunology/ PROPRANOLOL, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACCINATION

2924. **(Orudzhev IM), Abdullabekov GA:** Pamiati I. M. Orudzheva. Probl Endokrinol (Mosk) 24(6):115, Nov-Dec 78 **(Rus)**
AZERBAIJAN/ CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

2925. **Oryńska I:** Aspekty neurologiczne złamań kości podstawy czaszki. Wiad Lek 31(21):1519–22, 1 Nov 78 **(Pol)**
DIABETES INSIPIDUS, etiology/ EPILEPSY, TRAUMATIC, etiology/ HUMAN/ MENTAL DISORDERS, etiology/ MOVEMENT DISORDERS, etiology/ PARALYSIS, etiology/ *SKULL FRACTURES, complications

2926. **Osa T:** Comparative investigation of the electrical properties in myometrial longitudinal and circular muscles of rat during estrous cycle and pregnancy. Nippon Heikatsukin Gakkai Zasshi 14 Suppl:53, Feb 78
ACTION POTENTIALS/ ANIMAL/ COMPARATIVE STUDY/ *ESTRUS/ FEMALE/ *PREGNANCY/ RATS/ *UTERINE CONTRACTION

2927. **Osada Y, Amano T, Momose S, et al:** Surgical treatment of renovascular hypertension associated with bilateral renal artery stenosis. J Urol 120(5):537–9, Nov 78
ENZYME TESTS/ HUMAN/ *HYPERTENSION, RENAL, surgery/ HYPERTENSION, RENOVASCULAR, diagnosis/ HYPERTENSION, RENOVASCULAR, radiography/ *HYPERTENSION, RENOVASCULAR, surgery/ KIDNEY, radiography/ *KIDNEY, surgery/ NEPHRECTOMY/ RENIN, blood

2928. **Osborn JL, Noordewier B, Hook JB, et al:** Mechanism of prostaglandin E(2) stimulation of renin secretion. Proc Soc Exp Biol Med 159(2):249–52, Nov 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ BRADYKININ, pharmacodynamics/ COMPARATIVE STUDY/ DOGS/ ELEDOISIN,

pharmacodynamics/ JUXTAGLOMERULAR APPARATUS, drug effects/ *KIDNEY, drug effects/ KIDNEY, physiology/ MALE/ *PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ *RENIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2929. **Osei-Gyimah P, Piascik MT, Fowble JW, et al:** Synthesis and beta-adrenoceptor activity of the erythro and threo isomers of substituted alpha-hydroxytrimetoquinol. J Med Chem 21(11):1173-8, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ *ADRENERGIC BETA RECEPTOR AGONISTS, chemical synthesis/ AIRWAY RESISTANCE, drug effects/ ANIMAL/ FEMALE/ GUINEA PIGS/ HEART RATE, drug effects/ IN VITRO/ *ISOQUINOLINES, chemical synthesis/ LIPIDS, metabolism/ MALE/ NUCLEAR MAGNETIC RESONANCE/ RATS/ STEREOISOMERS/ TRETOQUINOL, analogs & derivatives/ *TRETOQUINOL, chemical synthesis/ TRETOQUINOL, pharmacodynamics

2930. **O'Shaughnessy PJ, Brown PS:** Reduction in FSH receptors in the rat testis by injection of homologous hormone. Mol Cell Endocrinol 12(1):9-15, Oct 78
ANIMAL/ CHLORAL HYDRATE, pharmacodynamics/ *FSH, metabolism/ FSH, pharmacodynamics/ KINETICS/ MALE/ RATS/ RECEPTORS, HORMONE, drug effects/ *RECEPTORS, HORMONE, metabolism/ TESTIS, drug effects/ *TESTIS, metabolism/ URETHANE, pharmacodynamics

2931. **O'Shea JD, Hay MF, Cran DG:** Ultrastructural changes in the theca interna during follicular atresia in sheep. J Reprod Fertil 54(1):183-7, Sep 78
ANIMAL/ CAPILLARIES, ultrastructure/ ESTRUS/ FEMALE/ *GRAAFIAN FOLLICLE, physiology/ GRAAFIAN FOLLICLE, ultrastructure/ MICROSCOPY, ELECTRON/ SHEEP, anatomy & histology/ *SHEEP, physiology/ *THECA CELLS, ultrastructure

2932. **Oshima I, Saito H, Saito S:** [Enzyme immunoassay of peptide hormone (author's transl)] Rinsho Byori 26(7):571-5, Jul 78 **(Jpn)**
*ENZYME-LINKED IMMUNOSORBENT ASSAY, methods/ HUMAN/ *IMMUNOENZYME TECHNICS, methods/ *INSULIN, blood/ REAGENT KITS, DIAGNOSTIC/ *THYROTROPIN RELEASING HORMONE, blood

2933. **Osler M, Faerø O, Friis-Hansen B, et al:** Prevention of the respiratory distress syndrome (RDS) by antepartum glucocorticoid (betamethasone) therapy combined with phenobarbitone and ritodrine. Dan Med Bull 25(6):225-9, Dec 78
*BETAMETHASONE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LABOR, PREMATURE/ *PHENOBARBITAL, therapeutic use/ PREGNANCY/ *PROPANOLAMINES, therapeutic use/ *RESPIRATORY DISTRESS SYNDROME, prevention & control/ *RITODRINE, therapeutic use

2934. **Osmond DH, Cooper RM:** Cryoactivation and tryptic activation of blood 'prorenin' in normal man and animals. Can J Physiol Pharmacol 56(5):792-805, Oct 78
ADULT/ ANESTHESIA/ ANGIOTENSIN I, blood/ ANGIOTENSIN I, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ *COLD/ DOGS/ ENZYME ACTIVATION/ FEMALE/ FREEZING/ HUMAN/ IN VITRO/ MALE/ PLASMA, enzymology/ RABBITS/ RADIOIMMUNOASSAY/ RATS/ *RENIN, blood/ TRYPSIN INHIBITORS, pharmacodynamics/ *TRYPSIN, pharmacodynamics

2935. **Osotimehin B, Black EG, Hoffenberg R:** Thyroglobulin concentration in neonatal blood: a possible test for neonatal hypothyroidism. Br Med J 2(6150):1467-8, 25 Nov 78
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ *FETAL BLOOD, analysis/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ INFANT/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ MIDDLE AGE/ *THYROGLOBULIN, blood

2936. **Osswald H, Northrup TE:** Renal adenylate cyclase systems. Contrib Nephrol 14:74-86, 1978
ADENOCARCINOMA, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE PERMEABILITY/ DOGS/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ KIDNEY GLOMERULUS, enzymology/ KIDNEY MEDULLA, enzymology/ KIDNEY NEOPLASMS, metabolism/ KIDNEY TUBULES, COLLECTING, enzymology/ KIDNEY TUBULES, DISTAL, enzymology/ KIDNEY TUBULES, PROXIMAL, enzymology/ *KIDNEY, enzymology/ KIDNEY, metabolism/ LOOP OF HENLE, enzymology/ NEPHRECTOMY/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ VASOPRESSINS, pharmacodynamics

2937. **Oster G, Oster S, Havran RT:** Plasminogen activator in vaginal smears during the menstrual cycle. Acta Cytol (Baltimore) 22(4):234-8, Jul-Aug 78
ADULT/ FEMALE/ HUMAN/ LH, secretion/ *MENSTRUATION/ MENSTRUATION, LUTEAL PHASE/ *PLASMINOGEN ACTIVATORS, analysis/ STAINS AND STAINING/ VAGINA, cytology/ *VAGINA, enzymology/ VAGINAL SMEARS

2938. **Osterby R, Seyer-Hansen K, Gundersen HJ, et al:** Growth hormone enhances basement membrane thickening in experimental diabetes. A preliminary report. Diabetologia 15(6):487-9, Dec 78
ANIMAL/ BASEMENT MEMBRANE, cytology/ *BASEMENT MEMBRANE, drug effects/ CAPILLARIES/ *DIABETES MELLITUS, EXPERIMENTAL, pathology/ DIABETIC NEPHROPATHIES, chemically induced/ FEMALE/ KIDNEY GLOMERULUS, blood supply/ RATS/ *SOMATOTROPIN, adverse effects/ SOMATOTROPIN, pharmacodynamics

2939. **Osterman PO:** Divascan in migraine prophylaxis. Open trial with three different doses. Headache 18(4):225-8, Sep 78
*ADRENOCHROME, analogs & derivatives/ ADRENOCHROME, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ *MIGRAINE, prevention & control/ SEMICARBAZONES, administration & dosage

2940. **Ostroumova MN, Bershteĭn LM, Anisimov VN:** Vliianie tiroksina na soderzhanie biogennykh aminov v gipotalamuse krys razlichnogo vozrasta. Fiziol Zh SSSR 64(10):1382-5, Oct 78 (Eng. Abstr.) **(Rus)**
AGE FACTORS/ ANIMAL/ *BIOGENIC AMINES, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HYPOTHALAMUS, analysis/ *HYPOTHALAMUS, drug effects/ MALE/ RATS/ *THYROXINE, pharmacodynamics

2941. **Ostroumova MN:** Vozrastnoe snizhenie chuvstvitel'nosti gipotalamo-gipofizarnogo kompleksa k ingibiruiushchemu deĭstviiu deksametazona. Vliianie stressa, polipeptidnogo ékstrakta épifiza i fenformina. Probl Endokrinol (Mosk) 24(6):59-64, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
AGE FACTORS/ ANIMAL/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ *DEXAMETHASONE, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ ETHER, ETHYL/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MALE/ PEPTIDES, pharmacodynamics/ PHENFORMIN, pharmacodynamics/ PINEAL BODY, analysis/ RATS/ STRESS, chemically induced/ STRESS, physiopathology/ TRYPTOPHAN, pharmacodynamics

2942. **Ostrowski K, Dziedzic-Goclawska A, Stachowicz W, et al:** Determination of the crystalline fraction in bone and other mineralizing tissues within the histochemical range by electron spin resonance spectroscopy. Acta Histochem [Suppl] (Jena) 15:291-6, 1975 (23 ref.)
ANIMAL/ *BONE AND BONES, analysis/ *CALCIUM PHOSPHATES, analysis/ *CARTILAGE, analysis/ CRYSTALLOGRAPHY/ *ELECTRON SPIN RESONANCE/ HISTOCYTOCHEMISTRY/ HUMAN/ HYDROXYAPATITES, analysis/ REVIEW

2943. **O'Sullivan JP, Alexander KM, Jenkins JS:** Maintenance of functioning human pituitary tumours in 'nude' athymic mice. J Endocrinol 79(1):139-40, Oct 78
*ADENOMA/ ADENOMA, secretion/ ANIMAL/

*GRAFT SURVIVAL/ HUMAN/ MICE, NUDE/ NEOPLASM TRANSPLANTATION/ *PITUITARY NEOPLASMS/ PITUITARY NEOPLASMS, secretion/ *TRANSPLANTATION, HETEROLOGOUS

2944. **Ouředník A, Humhal J:** Zkušenosti s inhalační aplikací dexametazonu při léčení bronchiálního astmatu. Cas Lek Cesk 117(41):1291–5, 13 Oct 78 (Eng. Abstr.) **(Cze)**
ADULT/ AGED/ *ASTHMA, drug therapy/ *DEXAMETHASONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RESPIRATORY THERAPY

2945. **Ovádi J, Salerno C, Keleti T, et al:** Physico-chemical evidence for the interaction between aldolase and glyceraldehyde-3-phosphate dehydrogenase. Eur J Biochem 90(3):499–503, 16 Oct 78
FLUORESCEINS/ *FRUCTOSEDIPHOSPHATE ALDOLASE/ *GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE/ KINETICS/ SPECTROMETRY, FLUORESCENCE/ THIOCYANATES

2946. **Owen WJ, Gleeson MJ, McColl I:** Thyroid crisis and tracheal compression in patient with retrosternal goitre. Br Med J 2(6143):997–8, 7 Oct 78
AGED/ CASE REPORT/ FEMALE/ *GOITER, complications/ HUMAN/ *THYROID CRISIS, etiology/ *TRACHEAL STENOSIS, etiology

2947. **Oxenkrug GF:** 1-methyl and 1-benzyl derivatives of tetrahydroisoquinoline inhibit 5-hydroxytryptamine uptake by human blood platelets. Med Biol 56(5):286–7, Oct 78
*BLOOD PLATELETS, metabolism/ DEPRESSION, CHEMICAL/ HUMAN/ *ISOQUINOLINES, pharmacodynamics/ *PAPAVERINE, pharmacodynamics/ *SALSOLINE ALKALOIDS, pharmacodynamics/ *SEROTONIN, blood

2948. **Oxenkrug GF:** The effect of neuroleptic derivatives of butyrophenone on the uptake of 5-HT by human blood platelets. J Pharm Pharmacol 30(11):740, Nov 78
BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ *BUTYROPHENONE TRANQUILIZERS, pharmacodynamics/ HUMAN/ IN VITRO/ KINETICS/ *SEROTONIN, blood

2949. **Oziębło L, Baranowska B, Niewiadomska A:** Przypadek zespołu węchowo-płciowego. Endokrynol Pol 29(5):417–20, Sep-Oct 78 (Eng. Abstr.) **(Pol)**
ADULT/ *ANOSMIA, diagnosis/ CASE REPORT/ ENGLISH ABSTRACT/ *GONADOTROPINS, blood/ HUMAN/ *HYPOGONADISM, diagnosis/ MALE/ SYNDROME

P

2950. **Pace-Asciak CR, Carrara MC:** Stability of authentic PGI2 during routine extraction. Clarification of the nature and sequence of products formed by the rat stomach including the origin of the ozonolysis products reported in 1971. Prostaglandins 16(3):397–140, Sep 78
ANIMAL/ BIOLOGICAL ASSAY/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ HYDROLYSIS/ IN VITRO/ MALE/ OXIDATION-REDUCTION/ PROSTAGLANDINS F, SYNTHETIC, metabolism/ PROSTAGLANDINS X, analysis/ PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS X, isolation & purification/ PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, isolation & purification/ RATS/ SPECTRUM ANALYSIS, MASS/ *STOMACH, analysis/ STOMACH, metabolism

2951. **Padfield PL, Hodsman GP, Morton JJ:** Demeclocycline in the treatment of the syndrome of inappropriate antidiuretic hormone release: with measurement of plasma ADH. Postgrad Med J 54(635):623–7, Sep 78
CASE REPORT/ *DEMETHYLCHLORTETRACYCLINE, therapeutic use/ HUMAN/ *INAPPROPRIATE ADH SYNDROME, drug therapy/ INAPPROPRIATE ADH SYNDROME, metabolism/ MALE/ MIDDLE AGE/ SODIUM, urine/ TIME FACTORS/ *VASOPRESSINS, blood

2952. **Padh H, Venkitasubramanian TA:** Adenylate cyclase activity of Mycobacterium smegmatis CDC 46. Indian J Biochem Biophys 15(2):141–3, Apr 78
*ADENYL CYCLASE, metabolism/ KINETICS/ *MYCOBACTERIUM, enzymology

2953. **Padmanabhan V, Convey EM:** Does time of exposure to estradiol and LHRH effect LH release from bovine pituitary cells? Proc Soc Exp Biol Med 159(1):157–60, Oct 78
ANIMAL/ CATTLE/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ *ESTRADIOL, administration & dosage/ *LH, secretion/ *LH-FSH RELEASING HORMONE, administration & dosage/ *PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2954. **Pahuja DN, Shah DH:** Effect of propyl thiouracil on adenyl cyclase activity & phospholipogenesis in rat thyroids. Indian J Biochem Biophys 15(1):79–80, Feb 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ FEMALE/ *PHOSPHOLIPIDS, biosynthesis/ *PROPYLTHIOURACIL, pharmacodynamics/ RATS/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism

2955. **Paiement JM, Kopriwa BM:** Use of two different methods for the electron microscope radioautographic detection of labeled antibodies bound to thin sections. J Histochem Cytochem 26(10):765–71, Oct 78
ANIMAL/ ANTIBODIES/ AUTORADIOGRAPHY, methods/ COMPARATIVE STUDY/ *HISTOCYTOCHEMISTRY, methods/ IODINE RADIOISOTOPES/ MICROSCOPY, ELECTRON/ RATS/ *THYROGLOBULIN, analysis/ THYROGLOBULIN, immunology/ *THYROID GLAND, analysis/ THYROID GLAND, ultrastructure

2956. **Palatsi R, Ylöstalo P, Taipale A:** Treatment of acne with cyproterone acetate and ethinyl estradiol. Acta Derm Venereol (Stockh) 58(5):449–54, 1978
*ACNE, drug therapy/ ADOLESCENCE/ ADULT/ ALANINE AMINOTRANSFERASE, blood/ ASPARTATE AMINOTRANSFERASE, blood/ CYPROTERONE, adverse effects/ *CYPROTERONE, therapeutic use/ DRUG COMBINATIONS/ DRUG EVALUATION/ ETHINYL ESTRADIOL, adverse effects/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ TABLETS/ TESTOSTERONE, blood/ 17-HYDROXYCORTICOSTEROIDS, blood/ 17-KETOSTEROIDS, blood

2957. **Palmer E:** Control of the oestrous cycle of the mare. J Reprod Fertil 54(2):495–505, Nov 78 (63 ref.)
ANIMAL/ BREEDING/ CORPUS LUTEUM, physiology/ ESTRUS SYNCHRONIZATION/ *ESTRUS/ ESTRUS, drug effects/ FEMALE/ FERTILITY/ *HORSES, physiology/ LIGHT/ OVARY, physiology/ OVULATION, drug effects/ PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ SEASONS

2958. **Palmer R:** René Moricard; 1904–1977. J Gynecol Obstet Biol Reprod (Paris) 7(4):761–4, May-Jun 78 **(Fre)**
CURRENT BIOG-OBIT/ CYTOLOGY, history/ ENDOCRINOLOGY, history/ FRANCE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.

2959. **Pan IH, Wu CM, Wu CL:** Appearance rate of fluorescent Y-body in healthy Chinese buccal epithelial cells and leukocytes with special reference to its value in sex determination. Taiwan I Hsueh Hui Tsa Chih 77(9):666–72, Sep 78
EPITHELIUM, ultrastructure/ FEMALE/ HUMAN/ *LEUKOCYTES, ultrastructure/ MALE/ MICROSCOPY, FLUORESCENCE/ *MOUTH MUCOSA, ultrastructure/ *SEX CHROMOSOMES/ *SEX DETERMINATION/ *Y CHROMOSOME

2960. **Panaretto BA, Wallace AL:** Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth. Aust J Biol Sci 31(3):247–55, Jun 78
ANIMAL/ DEPRESSION, CHEMICAL/

DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, blood/ *DEXAMETHASONE, pharmacodynamics/ *HYDROCORTISONE, blood/ INFUSIONS, PARENTERAL/ MALE/ *SHEEP, physiology/ *THYROXINE, blood/ TIME FACTORS/ *WOOL, drug effects/ WOOL, growth & development

2961. **Panchenko LF, Mukhankin AI, Ivkov NN:** Antigipoksicheskiĭ éffekt aminazina. Dokl Akad Nauk SSSR 242(2):481–3, 1978 **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ ANOXIA, metabolism/ *ANOXIA, prevention & control/ BRAIN CHEMISTRY/ CHLORPROMAZINE, administration & dosage/ *CHLORPROMAZINE, therapeutic use/ COMPARATIVE STUDY/ MALE/ RATS

2962. **Pandey SD, Dominic CJ:** Effect of cyproterone acetate on the production of the estrusinducing pheromone in the wild mouse. Indian J Exp Biol 16(8):887–9, Aug 78
ANIMAL/ *CYPROTERONE, pharmacodynamics/ DEPRESSION, CHEMICAL/ *ESTRUS/ FEMALE/ MALE/ *MICE, metabolism/ *PHEROMONES, biosynthesis

2963. **Pang cy, Wilcox WC, McNeill JR:** Time course of mesenteric vasodilatation following hypophysectomy and the stopping of a vasopressin infusion. Can J Physiol Pharmacol 56(5):735–8, Oct 78
ANIMAL/ ARGIPRESSIN, pharmacodynamics/ CATS/ *HYPOPHYSECTOMY/ MESENTERIC ARTERIES, drug effects/ MESENTERIC ARTERIES, physiology/ *MESENTERY, blood supply/ TIME FACTORS/ *VASODILATION/ VASODILATION, drug effects/ *VASOPRESSINS, pharmacodynamics

2964. **Panin LE, Tret'iakova TA:** Vliianie adrenalina, gidrokortizona, insulina i dibutiril-tsAMF na glikoliz i glikogenoliz v perezhivaiushchikh srezakh pecheni belykh krys. Biull Eksp Biol Med 86(11):541–4, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENGLISH ABSTRACT/ EPINEPHRINE, pharmacodynamics/ FEMALE/ FRUCTOSEDIPHOSPHATES, metabolism/ GLUCOSEPHOSPHATES, metabolism/ *GLYCOLYSIS, drug effects/ *HORMONES, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ INSULIN, pharmacodynamics/ *LIVER GLYCOGEN, metabolism/ *LIVER, metabolism/ RATS

2965. **Pan'ko IS:** Differentsial'naia diagnostika kollagenoza i D-gipovitaminoza u bychkov. Veterinariia (10):80–2, Oct 78 **(Rus)**
ANIMAL/ *CATTLE DISEASES, diagnosis/ CATTLE/ *COLLAGEN DISEASES, veterinary/ DIAGNOSIS, DIFFERENTIAL/ MALE/ *VITAMIN D DEFICIENCY, veterinary

2966. **Panov AN:** Lishenie paradoksal'noĭ fazy sna u krys i stimuliatsiia noradrenalinom biosinteza tsiklicheskogo AMF v gomogenatakh golovnogo mozga. Fiziol Zh SSSR 64(10):1478–81, Oct 78 **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ BRAIN STEM, metabolism/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ *SLEEP DEPRIVATION/ *SLEEP, REM, physiology

2967. **Pant KD, Dahlman HL, Goldenberg DM:** Further characterization of CSAp, an antigen associated with gastrointestinal and ovarian tumors. Cancer 42(3 Suppl):1626–34, Sep 78
ALPHA GLOBULINS/ *ANTIGENS, NEOPLASM/ ANTIGENS, NEOPLASM, analysis/ CELL LINE/ COLITIS, immunology/ COLONIC NEOPLASMS, immunology/ *GASTROINTESTINAL NEOPLASMS, immunology/ GEL DIFFUSION TESTS/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ IMMUNOELECTROPHORESIS/ INTESTINES, immunology/ ORGAN SPECIFICITY/ *OVARIAN NEOPLASMS, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2968. **Pantarotto MF, Vianello MG:** Patologia gonosomica e adolescenza. Importanza della diagnosi precoce. Minerva Med 69(46):3186–90, 30 Sep 78 **(Ita)**
ADOLESCENCE/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ *PREGNANCY IN ADOLESCENCE/ PREGNANCY/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX DIFFERENTIATION DISORDERS, diagnosis

2969. **Paparo AA, Murphy JA:** Cilioexcitatory and cilioinhibitory processes initiated by light on two identifiable neuronal pigments in Mytilus edulis. J Exp Biol 76:47–61, Oct 78
ANIMAL/ CALCIUM, metabolism/ CILIA, physiology/ CILIA, radiation effects/ DOPAMINE, pharmacodynamics/ HEMEPROTEINS, physiology/ HEMEPROTEINS, radiation effects/ IRON, metabolism/ *LIGHT/ MUSSELS, metabolism/ *MUSSELS, physiology/ MUSSELS, radiation effects/ NEURONS, analysis/ *NEURONS, physiology/ OXYGEN, pharmacodynamics/ *PIGMENTS, radiation effects/ *PROTEINS, physiology/ PROTEINS, radiation effects/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

2970. **Papavasiliou PS, Cotzias GC, Rosal VL, et al:** Treatment of parkinsonism with N-n-propyl norapomorphine and levodopa (with or without carbidopa). Arch Neurol 35(12):787–91, Dec 78
AGED/ *APOMORPHINE, analogs & derivatives/ APOMORPHINE, administration & dosage/ APOMORPHINE, therapeutic use/ CLINICAL RESEARCH/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *HYDRAZINES, therapeutic use/ LEVODOPA, administration & dosage/ LEVODOPA, blood/ *LEVODOPA, therapeutic use/ MALE/ METHYLDOPAHYDRAZINE, administration & dosage/ *METHYLDOPAHYDRAZINE, therapeutic use/ MIDDLE AGE/ *PARKINSON DISEASE, drug therapy/ SOMATOTROPIN, blood

2971. **Parantainen J, Metsä-Ketelä T, Vapaatalo H:** Effect of lowering of the temperature on the tissue levels of cAMP, cGMP, PGE and PGF2 alpha in spontaneously beating rat atria preparation. Acta Physiol Scand 104(2):213–6, Oct 78
ADAPTATION, PHYSIOLOGICAL/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HEART ATRIUM, metabolism/ HEART RATE/ MALE/ *MYOCARDIUM, metabolism/ *PROSTAGLANDINS E, metabolism/ *PROSTAGLANDINS F, metabolism/ RATS/ TEMPERATURE

2972. **Parchoux B, Guibaud P, Maire I, et al:** Maladie de Fabry. Diabéte insipide néphrogénique inaugural chez l'enfant. Pediatrie 33(8):757–65, Dec 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ *ANGIOKERATOMA CORPORIS DIFFUSUM, complications/ ANGIOKERATOMA CORPORIS DIFFUSUM, familial & genetic/ ANGIOKERATOMA CORPORIS DIFFUSUM, pathology/ ANGIOKERATOMA CORPORIS DIFFUSUM, ultrastructure/ CASE REPORT/ *DIABETES INSIPIDUS, complications/ ENGLISH ABSTRACT/ HUMAN/ *KIDNEY DISEASES, complications/ KIDNEY DISEASES, pathology/ KIDNEY, pathology/ KIDNEY, ultrastructure/ MALE/ PEDIGREE

2973. **Parent A, Dube L, Braford MR Jr, et al:** The organization of monoamine-containing neurons in the brain of the sunfish (Lepomis gibbosus) as revealed by fluorescence microscopy. J Comp Neurol 182(3):495–516, 1 Dec 78
ANIMAL/ BRAIN MAPPING/ BRAIN STEM, metabolism/ *BRAIN, metabolism/ *CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ DIENCEPHALON, metabolism/ *FISHES, metabolism/ HYPOTHALAMUS, metabolism/ MEDULLA OBLONGATA, metabolism/ MESENCEPHALON, metabolism/ TELENCEPHALON, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2974. **Pareti FI, Capitanio A:** Platelet biochemistry and metabolism. pp. 35–44.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (39 ref.)
ADENINE NUCLEOTIDES, metabolism/

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ *BLOOD PLATELETS, metabolism/ BLOOD PLATELETS, physiology/ MONOGRAPH/ PLATELET AGGREGATION/ REVIEW/ SEROTONIN, pharmacodynamics/ THROMBIN, pharmacodynamics/ VASOPRESSINS, pharmacodynamics

2975. **Parker CW:** Prostaglandins and slow-reacting substance. J Allergy Clin Immunol 63(1):1-14, Jan 79 (64 ref.)
ANIMAL/ ANTI-ANTIBODIES/ ARACHIDONIC ACIDS, physiology/ ARYLSULFATASES, physiology/ CATS/ CATTLE/ CORONARY DISEASE, blood/ GUINEA PIGS/ HISTAMINE LIBERATION/ HUMAN/ IGE/ ILEUM, physiology/ KINETICS/ LUNG, physiology/ MONKEYS/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, physiology/ PLATELET AGGREGATION/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ RABBITS/ RATS/ REVIEW/ SLOW-REACTING SUBSTANCES, antagonists & inhibitors/ SLOW-REACTING SUBSTANCES, biosynthesis/ *SLOW-REACTING SUBSTANCES, physiology/ SWINE

2976. **Parker JC, Guyton AC, Taylor AE:** Pulmonary transcapillary exchange and pulmonary edema. Int Rev Physiol 18:261-315, 1979 (203 ref.)
ALTITUDE/ ANIMAL/ BRADYKININ, physiology/ CAPILLARIES, ultrastructure/ *CAPILLARY PERMEABILITY/ COLLOIDS/ DOGS/ EMBOLISM, complications/ HISTAMINE, physiology/ HYDROSTATIC PRESSURE/ *LUNG, blood supply/ LYMPH, physiology/ NERVOUS SYSTEM DISEASES, complications/ OSMOTIC PRESSURE/ PROTEINS, metabolism/ PULMONARY ALVEOLI, ultrastructure/ PULMONARY EDEMA, chemically induced/ *PULMONARY EDEMA, etiology/ REVIEW/ SEPTICEMIA, complications/ SEROTONIN, physiology/ SHEEP/ WATER-ELECTROLYTE BALANCE

2977. **Parks DG, Ziel HK:** Macrosomia. A proposed indication for primary cesarean section. Obstet Gynecol 52(4):407-9, Oct 78
*BIRTH WEIGHT/ CAUCASOID RACE/ *CESAREAN SECTION/ DYSTOCIA, chemically induced/ FEMALE/ HEMORRHAGE, POSTPARTUM, etiology/ HUMAN/ MALE/ OXYTOCIN, adverse effects/ PARITY/ PREGNANCY/ SHOULDER JOINT, drug effects

2978. **Parks NJ, Pool RR, Williams JR, et al:** Age and dosage-level dependence of radium retention in beagles. Radiat Res 75(3):617-32, Sep 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANIMAL/ BODY BURDEN/ *BONE AND BONES, metabolism/ BONE AND BONES, radiation effects/ CALCIUM, metabolism/ COMPARATIVE STUDY/ *DOGS, metabolism/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HUMAN/ KINETICS/ MODELS, BIOLOGICAL/ *RADIUM, metabolism

2979. **Parving HH, Noer I, Mogensen CE, et al:** Kidney function in normal man during short-term growth hormone infusion. Acta Endocrinol (Copenh) 89(4):796-800, Dec 78
ADULT/ ALBUMINURIA/ BETA 2 MICROGLOBULIN, urine/ BLOOD SUGAR, analysis/ GLOMERULAR FILTRATION RATE, drug effects/ HUMAN/ INFUSIONS, PARENTERAL/ KIDNEY, blood supply/ *KIDNEY, drug effects/ MALE/ REGIONAL BLOOD FLOW, drug effects/ SOMATOTROPIN, administration & dosage/ SOMATOTROPIN, blood/ *SOMATOTROPIN, pharmacodynamics

2980. **Pascual-Leone AM, García MD, Hervás F:** Changes in parameters of growth hormone and thyrotrophic hormone, and of thyroid function, during the early postnatal period in the rat. Rev Esp Fisiol 34(3):301-7, Sep 78
AGE FACTORS/ ANIMAL/ *ANIMALS, NEWBORN, growth & development/ BODY WEIGHT/ BRAIN, growth & development/ FEMALE/ IODINE, blood/ KIDNEY, growth & development/ LIVER, growth & development/ ORGAN WEIGHT/ *PITUITARY GLAND, analysis/ RATS/ *SOMATOTROPIN, analysis/ *THYROTROPIN, analysis

2981. **Paszko Z:** Hormony a rak sutka. Nowotwory 28(3):233-50, Jul-Sep 78 **(Pol)**
ANIMAL/ *BREAST NEOPLASMS, physiopathology/ FEMALE/ *HORMONES, secretion/ HUMAN/ HYPOTHALAMIC HORMONES, secretion/ PITUITARY HORMONES, secretion/ PROGESTATIONAL HORMONES, secretion/ RATS/ SEX HORMONES, secretion

2982. **Paterson AM, Adams NR:** Sequential observations on the gonads and oestrous behaviour of a hermaphrodite gilt. Aust Vet J 54(8):398-9, Aug 78
ANIMAL/ CASE REPORT/ *ESTRUS/ FEMALE/ HERMAPHRODITISM, pathology/ *HERMAPHRODITISM, veterinary/ *OVARY, pathology/ *SWINE DISEASES, pathology/ SWINE/ *TESTIS, pathology

2983. **Patil TN, Radhakrishnamurty R:** Influence of alpha-naphthylthiourea on blood glucose & some enzymes in albino rats. Indian J Biochem Biophys 15(2):108-10, Apr 78
*ALANINE AMINOTRANSFERASE, metabolism/ ANIMAL/ *ASPARTATE AMINOTRANSFERASE, metabolism/ *BLOOD SUGAR, metabolism/ FEMALE/ *GLUCOSEPHOSPHATASE, metabolism/ KIDNEY, drug effects/ KIDNEY, enzymology/ *LACTATE DEHYDROGENASE, metabolism/ LIVER, drug effects/ LIVER, enzymology/ MALE/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, LIVER, enzymology/ NAPHTHALENES, pharmacodynamics/ RATS/ *THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics

2984. **Patin SA, Petrov AA:** Soderzhanie strontsiia-90 i tseziia-137 v promyslovykh rybakh. Radiobiologiia 18(5):730-3, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BONE AND BONES, analysis/ *CESIUM RADIOISOTOPES, analysis/ ENGLISH ABSTRACT/ FISHES/ *FOOD CONTAMINATION, RADIOACTIVE/ *MEAT, analysis/ *STRONTIUM RADIOISOTOPES, analysis/ WATER POLLUTION, RADIOACTIVE

2985. **Patnaik AK, Lieberman PH, Erlandson RA, et al:** Canine medullary carcinoma of the thyroid. Vet Pathol 15(5):590-9, Sep 78
ANIMAL/ CARCINOMA, pathology/ *CARCINOMA, veterinary/ CASE REPORT/ *DOG DISEASES, pathology/ DOGS/ HYPOCALCEMIA, veterinary/ LYMPHATIC METASTASIS/ MALE/ THYROID GLAND, ultrastructure/ THYROID NEOPLASMS, pathology/ *THYROID NEOPLASMS, veterinary

2986. **Patrick JE, Weintraub HS, McGuire JL:** Disposition of ORF 9326, a novel contragestational steroid, in animals. Steroids 32(2):147-56, Sep 78
*ABORTIFACIENT AGENTS, metabolism/ *ABORTIFACIENT AGENTS, STEROIDAL, metabolism/ ABORTIFACIENT AGENTS, STEROIDAL, urine/ *ANDROSTANES, metabolism/ ANDROSTANES, urine/ ANIMAL/ BIOTRANSFORMATION/ CYNOMOLGUS MONKEYS/ DOGS/ FECES, analysis/ FEMALE/ KINETICS/ MONKEYS/ OXIMES, metabolism/ OXIMES, urine/ RABBITS/ RATS/ RHESUS MONKEYS/ TISSUE DISTRIBUTION

2987. **Patritti-Laborde N, Odell WD:** Short-loop feedback of luteinizing hormone: dose-response relationships and specificity. Fertil Steril 30(4):456-60, Oct 78
ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEEDBACK/ FEMALE/ KINETICS/ LH, metabolism/ *LH, pharmacodynamics/ RABBITS/ SPECIES SPECIFICITY

2988. **Patscheke H, Paschen W, Wörner P:** Superoxide-independent platelet response to xanthine oxidase. Hoppe Seylers Z Physiol Chem 359(8):933-7, Aug 78
APYRASE, pharmacodynamics/ *BLOOD PLATELETS, drug effects/ BLOOD PLATELETS, enzymology/ BLOOD PLATELETS, metabolism/ HUMAN/ NITROBLUE TETRAZOLIUM, blood/ NITROBLUE TETRAZOLIUM, diagnostic use/ *OXYGEN, pharmacodynamics/ PLATELET

AGGREGATION, drug effects/ SEROTONIN, blood/ SUPEROXIDE DISMUTASE, pharmacodynamics/ SUPEROXIDE, blood/ *SUPEROXIDE, pharmacodynamics/ XANTHINE OXIDASE, blood/ *XANTHINE OXIDASE, pharmacodynamics/ XANTHINES, pharmacodynamics

2989. **Patterson JS, Furr BJ, Battersby LA:** Tamoxifen and hypercalcemia [letter] Ann Intern Med 89(6):1013, Dec 78
BONE NEOPLASMS/ BREAST NEOPLASMS, drug therapy/ FEMALE/ HUMAN/ *HYPERCALCEMIA, chemically induced/ NEOPLASM METASTASIS/ *TAMOXIFEN, adverse effects/ TAMOXIFEN, therapeutic use

2990. **Patterson WB:** The prognosis of young women with breast cancer. Int J Radiat Oncol Biol Phys 4(7–8):699–701, Jul–Aug 78
ADULT/ AGE FACTORS/ AXILLA/ BREAST NEOPLASMS, metabolism/ *BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ PROGNOSIS/ RECEPTORS, ESTROGEN/ REMISSION/ TIME FACTORS

2991. **Patwardhan VV, Lanthier A:** Pathways for in vitro biosynthesis of corticosterone and cortisol in the guinea-pig adrenals. J Steroid Biochem 6(10):1451–4, Oct 75
*ADRENAL GLANDS, metabolism/ ANIMAL/ *CORTICOSTERONE, biosynthesis/ *HYDROCORTISONE, biosynthesis/ HYDROXYPROGESTERONES, metabolism/ MALE/ MICE/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism

2992. **Paty J, Bourgeois M:** Les risques des potentialisations de psychotropes par le dipropylacétamide (16 observations). Encephale 4(3):251–65, 1978 (Eng. Abstr.) **(Fre)**
ADULT/ AGED/ ANTICONVULSANTS, adverse effects/ ANTIDEPRESSIVE AGENTS, adverse effects/ CASE REPORT/ COGNITION DISORDERS, chemically induced/ DRUG SYNERGISM/ DRUG THERAPY, COMBINATION, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LORAZEPAM, adverse effects/ MALE/ MIDDLE AGE/ MOVEMENT DISORDERS, chemically induced/ SEROTONIN, adverse effects/ VALPROATE, analogs & derivatives/ *VALPROATE, adverse effects

2993. **Paul IL, Munro MB, Abernethy PJ, et al:** Musculo-skeletal shock absorption: relative contribution of bone and soft tissues at various frequencies. J Biomech 11(5):237–9, 1978
ANIMAL/ *BONE AND BONES, physiology/ HEEL, physiology/ MUSCLE CONTRACTION/ *MUSCLES, physiology/ RABBITS/ *STRESS, MECHANICAL

2994. **Paulin R, San Marco JL, De Boissezon C, et al:** Sur une méthode rapide d'évaluation quantitative de la Thyroxin-Binding-Globulin (T.B.G.) sérique. Bull Soc Med Afr Noire Lang Fr 23(3):240–5, 1978 (Eng. Abstr.) **(Fre)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ *THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood

2995. **Paulin R, Ndoye R, De Boissezon C, et al:** Etude préliminaire de la calcitonine technetiée chez le lapin et chez l'homme.?U9H Bull Soc Med Afr Noire Lang Fr 23(3):246–51, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ BONE AND BONES, metabolism/ BONE AND BONES, radionuclide imaging/ CALCITONIN, blood/ *CALCITONIN, metabolism/ ENGLISH ABSTRACT/ HUMAN/ KIDNEY, metabolism/ KIDNEY, radionuclide imaging/ RABBITS/ *TECHNETIUM, diagnostic use

2996. **Paulson GW:** Diseases described by Ohioans. Ohio State Med J 74(11):723–5, Nov 78
GIGANTISM/ HUNTINGTON CHOREA/ *NOMENCLATURE/ OHIO/ OPHTHALMOPLEGIA/ RUBINSTEIN-TAYBI SYNDROME/ ZOLLINGER-ELLISON SYNDROME

2997. **Pavlin V, Flynn MJ, Mulder JL, et al:** The treatment of uterine bleeding with vasopressin hormonogen (glypressin)--a pilot study. Br J Obstet Gynaecol 85(11):801–5, Nov 78
ADOLESCENCE/ ADULT/ CASE REPORT/ CERVIX UTERI, drug effects/ CHILD/ FEMALE/ HUMAN/ *LYPRESSIN, analogs & derivatives/ LYPRESSIN, pharmacodynamics/ LYPRESSIN, therapeutic use/ MENORRHAGIA, drug therapy/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERINE HEMORRHAGE, drug therapy/ UTERINE HEMORRHAGE, etiology

2998. **Pawelec-Kęsiak L, Zaluska-Surmacka D, Wiercinski J, et al:** Guz mieszany mezodermalny jajnika z przerzutami do pochwy. Ginekol Pol 49(11):1007, Nov 78 (Eng. Abstr.) **(Pol)**
*CARCINOMA, pathology/ CASE REPORT/ *CHONDROSARCOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ NOMENCLATURE/ *OVARIAN NEOPLASMS, pathology/ *VAGINAL NEOPLASMS, pathology

2999. **Pawlicki M:** Rola chemio- i hormonoterapii w paliatywnym leczeniu raka sutka. Nowotwory 28(3):251–62, Jul–Sep 78 (Eng. Abstr.) **(Pol)**
*ANTINEOPLASTIC AGENTS, administration & dosage/ *BREAST NEOPLASMS, drug therapy/ CASTRATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PALLIATIVE TREATMENT/ REMISSION/ *TESTOSTERONE, administration & dosage

3000. **Pawlikowski M:** Attempt at pharmacological treatment of a pituitary tumor with bromocriptine. Endokrynol Pol 29(5):413–6, Sep–Oct 78
*ADENOMA, drug therapy/ CASE REPORT/ HUMAN/ MALE/ MIDDLE AGE/ *PITUITARY NEOPLASMS, drug therapy/ SELLA TURCICA/ VISUAL FIELDS, drug effects/ 2-BROMOERGOCRYPTINE, pharmacodynamics/ *2-BROMOERGOCRYPTINE, therapeutic use

3001. **Pawlikowski M, Mróz-Wasilewska Z, Stępien H, et al:** Cholinergic stimulation of the thyroid mitotic activity. Preliminary report. Endokrynol Pol 29(6):459–61, Nov–Dec 78 (Eng. Abstr.)
ANIMAL/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ MALE/ MITOSIS, drug effects/ *PILOCARPINE, pharmacodynamics/ RATS/ THYROID GLAND, cytology/ *THYROID GLAND, drug effects/ THYROTROPIN, pharmacodynamics

3002. **Pawlikowski T:** Informacja w sprawie mianownictwa hormonów peptydowych. Endokrynol Pol 29(5):427–9, Sep–Oct 78 **(Pol)**
*HORMONES/ HUMAN/ INTERNATIONAL COOPERATION/ *NOMENCLATURE/ *PEPTIDES

3003. **Pax R, Bennett JL, Fetterer R:** A benzodiazepine derivative and praziquantel: effects on musculature of Schistosoma mansoni and Schistosoma japonicum. Naunyn Schmiedebergs Arch Pharmacol 304(3):309–15, 16 Oct 78
ANIMAL/ *BENZODIAZEPINONES, pharmacodynamics/ CALCIUM, metabolism/ DOPAMINE, pharmacodynamics/ *ISOQUINOLINES, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, drug effects/ MUSCLES, metabolism/ POTASSIUM, metabolism/ PYRAZINES, pharmacodynamics/ *SCHISTOSOMA JAPONICUM, drug effects/ *SCHISTOSOMA MANSONI, drug effects/ *SCHISTOSOMICIDES, pharmacodynamics/ SODIUM, metabolism/ TIME FACTORS

3004. **Peacock EE Jr:** Management of benign disease of the breast. Am Surg 44(10):626–36, Oct 78
BREAST DISEASES, diagnosis/ *BREAST DISEASES, surgery/ BREAST NEOPLASMS, surgery/ BREAST, metabolism/ BREAST, pathology/ CYSTS, surgery/ FEMALE/ HISTAMINE H1 RECEPTOR BLOCKADERS, therapeutic use/ HISTAMINE, metabolism/ HORMONES, therapeutic use/ HUMAN/ HYPERPLASIA/ MASTECTOMY/ MENOPAUSE/ PAIN, drug therapy/ SUCTION

3005. **Peart WS:** Renin 1978. Johns Hopkins Med J 143(6):193–206, Dec 78 (161 ref.)
ADRENAL GLANDS, drug effects/ ANGIOTENSIN II, metabolism/ ANGIOTENSIN II, pharmacodynamics/ *ANGIOTENSIN II, physiology/ ANIMAL/ BLOOD PRESSURE, drug effects/ BRAIN, drug effects/ CALCIUM, metabolism/ HUMAN/ JUXTAGLOMERULAR APPARATUS,

metabolism/ *KIDNEY, physiology/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ RENIN, metabolism/ RENIN, pharmacodynamics/ *RENIN, physiology/ REVIEW/ SODIUM, metabolism/ WATER-ELECTROLYTE BALANCE

3006. **Pecker J, Scarabin JM, Brucher JM, et al:** Apport des techniques stéréotaxiques au diagnostic et au traitement des tumeurs de la région pinéale. Rev Neurol (Paris) 134(4):287–94, Apr 78 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ BIOPSY, methods/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, pathology/ BRAIN NEOPLASMS, therapy/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ *PINEAL BODY/ PINEALOMA, diagnosis/ PINEALOMA, pathology/ PINEALOMA, therapy/ *STEREOTAXIC TECHNICS/ TERATOID TUMOR, diagnosis

3007. **Pecora JL:** Ibuprofen in the treatment of central serous chorioretinopathy. Ann Ophthalmol 10(11):1481–3, Nov 78
ADULT/ AGED/ APHAKIA, POSTCATARACT, complications/ CASE REPORT/ *CHOROID/ FEMALE/ HUMAN/ *IBUPROFEN, therapeutic use/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ RETINAL DETACHMENT, complications/ RETINAL DISEASES, complications/ *RETINAL DISEASES, drug therapy/ UVEAL DISEASES, complications/ *UVEAL DISEASES, drug therapy/ VISUAL ACUITY

3008. **Pedersen B, Pendleton E:** Menopause: a welcome or dreaded stage of development. J Nurse Midwife 23:45–51, Fall 78
AGING/ *ATTITUDE TO HEALTH/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ *MENOPAUSE/ MIDDLE AGE

3009. **Pegg AE, Hui G, Rogers KJ:** Effect of hypophysectomy on persistence of methylated purines in rat liver deoxyribonucleic acid after administration of dimethylnitrosamine. Biochim Biophys Acta 520(3):671–8, 24 Oct 78
*ADENINE, analogs & derivatives/ ADENINE, metabolism/ ANIMAL/ *DIMETHYLNITROSAMINE/ DNA REPAIR, drug effects/ *DNA, metabolism/ FEMALE/ *GUANINE, analogs & derivatives/ GUANINE, metabolism/ *HYPOPHYSECTOMY/ LIVER, metabolism/ METHYLATION/ *NITROSAMINES/ RATS/ SOMATOTROPIN, pharmacodynamics

3010. **Pehamberger H, Diem E, Konrad K:** Systemic lupus erythematosus with multiple myeloma.
Acta Derm Venereol (Stockh) 58(6):527–30, 1978
ADULT/ CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MALE/ METHYLPREDNISOLONE, therapeutic use/ *MULTIPLE MYELOMA, complications/ MULTIPLE MYELOMA, drug therapy/ MULTIPLE MYELOMA, pathology/ SKIN, pathology

3011. **Peiker G, Böhm W, Carol W:** Laurence-Moon-Bardet-Biedl-Syndrom und Endometriumkarzinom. Zentralbl Gynaekol 100(17):1126–30, 1978 (Eng. Abstr.) **(Ger)**
*ADENOCARCINOMA, complications/ ADENOCARCINOMA, surgery/ ADOLESCENCE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LAURENCE-MOON-BIEDL SYNDROME, complications/ PYELITIS, complications/ STEIN-LEVENTHAL SYNDROME, complications/ STEIN-LEVENTHAL SYNDROME, surgery/ *UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, surgery

3012. **Peillon F, Cesselin F, Zygelman N, et al:** Effet in vitro de la L dopa, de la dopamine et du CB 154 sur la sécrétion de prolactine par les adénomes hypophysaires humains.
Ann Endocrinol (Paris) 39(3):255–7, 1978 (Eng. Abstr.) **(Fre)**
*ADENOMA, secretion/ DEPRESSION, CHEMICAL/ *DOPAMINE, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ IN VITRO/ *LEVODOPA, pharmacodynamics/ *PITUITARY NEOPLASMS, secretion/ *PROLACTIN, secretion/ *2-BROMOERGOCRYPTINE, pharmacodynamics

3013. **Pelardy G, Delost P:** Secretion of the androgens in the male guinea-pig during the perinatal period.
Acta Endocrinol (Copenh) 89(4):770–9, Dec 78
ANDROSTENEDIONE, blood/ *ANDROSTENEDIONE, secretion/ ANIMAL/ *ANIMALS, NEWBORN, physiology/ CASTRATION/ DARKNESS/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ MALE/ MICE/ PREGNANCY/ RADIOIMMUNOASSAY/ SEMINAL VESICLES/ STANOLONE, blood/ *STANOLONE, secretion/ TESTIS, embryology/ *TESTIS, metabolism/ TESTOSTERONE, blood/ *TESTOSTERONE, secretion/ VAS DEFERENS

3014. **Pelech L:** Skeletal maturation of children living in areas with a different contamination of the atmosphere. Czech Med 1(4):203–10, 1978
*AGE DETERMINATION BY SKELETON/ *BONE AND BONES, radiography/ CHILD/ CZECHOSLOVAKIA/ *ENVIRONMENTAL POLLUTION/ FEMALE/ HAND, radiography/ HUMAN/ MALE/ WRIST, radiography

3015. **Pelkonen R, Taskinen MR, Nikkilä EA:** Response of plasma insulin to small doses of tolbutamide in obesity and acromegaly. Int J Obes 1(4):315–24, 1977
*ACROMEGALY, blood/ BLOOD SUGAR, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ INFUSIONS, PARENTERAL/ *INSULIN, blood/ *OBESITY, blood/ RADIOIMMUNOASSAY/ *TOLBUTAMIDE, administration & dosage

3016. **Pelkonen R, Nousiainen R, Kontinen E, et al:** Ektooppinen ACTH -oireyhtymä. Duodecim 94(22):1377–84, 1978 **(Fin)**
ADENOMA, secretion/ ADULT/ BRONCHIAL NEOPLASMS, secretion/ CARCINOMA, BRONCHOGENIC, secretion/ *CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, physiopathology/ FEMALE/ HORMONES, ECTOPIC, secretion/ HUMAN/ ISLET CELL TUMOR, secretion/ LUNG NEOPLASMS, secretion/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ PANCREATIC NEOPLASMS, secretion/ PHEOCHROMOCYTOMA, secretion

3017. **Pellantová Z, Husková M:** Vyšetřování plazmatické reninové aktivity u dětí—stanovení normálních hodnot.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 21(3):215–8, 1978 (Eng. Abstr.) **(Cze)**
ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ NORMAL VALUES/ *RENIN, blood

3018. **Pellnitz W, Schöneshöfer M, Oelkers W:** Differentiation between subtypes of primary hyperaldosteronism by multiple steroid measurement after dexamethasone administration.
Klin Wochenschr 56(17):855–8, 1 Sep 78
ADENOMA, blood/ *ADRENAL CORTEX HORMONES, blood/ ADRENAL GLAND NEOPLASMS, blood/ ADULT/ ALDOSTERONE, blood/ CORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, blood/ *DEXAMETHASONE, diagnostic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ *HYPERALDOSTERONISM, diagnosis/ MALE/ MIDDLE AGE/ RENIN, blood

3019. **Pellock JM, Behrens M, Lewis L, et al:** Kearns-Sayre syndrome and hypoparathyroidism. Ann Neurol 3(5):455–8, May 78
ADOLESCENCE/ ADULT/ CASE REPORT/ HUMAN/ *HYPOPARATHYROIDISM, complications/ MALE/ *OPHTHALMOPLEGIA, complications/ *RETINAL DEGENERATION, complications/ SYNDROME/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3020. **Peluso JJ, Steger RW:** Role of FSH in regulating granulosa cell division and follicular atresia in rats. J Reprod Fertil 54(2):275–8, Nov 78
ANIMAL/ CELL DIVISION, drug effects/ FEMALE/ FSH, metabolism/ *FSH, physiology/ GONADOTROPINS, EQUINE, pharmacodynamics/

GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, metabolism/ *GRAAFIAN FOLLICLE, physiology/ *GRANULOSA CELLS, cytology/ GRANULOSA CELLS, drug effects/ HYPOPHYSECTOMY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3021. **Penfold JL, Manson JI, Caldicott WM:** Laughing seizures and precocious puberty (case report and review of the literature). Aust Paediatr J 14(3):185–90, Sep 78
CASE REPORT/ *CEREBRAL VENTRICLE NEOPLASMS, complications/ CHILD, PRESCHOOL/ *CONVULSIONS, complications/ CYPROTERONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, drug therapy/ FEMALE/ *HAMARTOMA, complications/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMUS/ *LAUGHTER/ *PUBERTY, PRECOCIOUS, complications/ PUBERTY, PRECOCIOUS, drug therapy

3022. **Peng CH, Yang MM, Kok SH, et al:** Endorphin release: a possible mechanism of acupuncture analgesia. Comp Med East West 6(1):57–60, Spring 78
*ACUPUNCTURE/ *ANALGESIA/ ANIMAL/ *ENDORPHINS, secretion/ MALE/ NALOXONE, pharmacodynamics/ PAIN, physiopathology/ RABBITS/ SENSORY THRESHOLDS, drug effects

3023. **Pen'kov MA, Avrushchenko NM, Khristenko LA:** Glaznye lekartsvennye plenki v lechenii vospalitel'nykh zabolevanii glaznogo iabloka. Oftalmol Zh (6):431–3, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ ANIMAL/ ANTIBIOTICS, administration & dosage/ CHILD/ CLINICAL RESEARCH/ DESENSITIZATION/ DRUG EVALUATION/ DRUG SCREENING/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, TOPICAL, administration & dosage/ MIDDLE AGE/ MONOMYCIN, administration & dosage/ MYDRIATICS, therapeutic use/ *OPHTHALMIA, drug therapy/ *OPHTHALMIC SOLUTIONS, administration & dosage/ PLANTS, MEDICINAL/ RABBITS

3024. **Pennequin P, Robins DM, Schimke RT:** Regulation of translation of ovalbumin messenger RNA by estrogens and progesterone in oviduct of withdrawn chicks. Eur J Biochem 90(1):51–8, 15 Sep 78
ANIMAL/ CHICKENS/ CYCLOHEXIMIDE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ NUCLEIC ACID HYBRIDIZATION/ *OVALBUMIN, biosynthesis/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ OVIPOSITION/ PEPTIDE CHAIN INITIATION, drug effects/ POLYRIBOSOMES, drug effects/ POLYRIBOSOMES, metabolism/ *PROGESTERONE, pharmacodynamics/ *RNA, MESSENGER, metabolism/ *TRANSLATION, GENETIC, drug effects

3025. **Penny R:** Effects of anti-rheumatic drugs on immunological parameters. Aust NZ J Med 8 Suppl 1:109–13, 1978 (13 ref.)
*ADRENAL CORTEX HORMONES, pharmacodynamics/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ANTIMALARIALS, pharmacodynamics/ COLCHICINE, pharmacodynamics/ GOLD, pharmacodynamics/ HUMAN/ *IMMUNITY, drug effects/ IMMUNITY, CELLULAR, drug effects/ *IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ LEUKOCYTE COUNT/ LEVAMISOLE, pharmacodynamics/ NEUTROPHILS, drug effects/ PENICILLAMINE, pharmacodynamics/ REVIEW/ *RHEUMATISM, drug therapy

3026. **Pento JT:** Characteristics of calcitonin degradation in vitro produced by incubation with procine thyroid tissue. Mol Cell Endocrinol 12(1):31–40, Oct 78
ANIMAL/ *CALCITONIN, metabolism/ KIDNEY, metabolism/ KINETICS/ LIVER, metabolism/ LUNG, metabolism/ ORGAN SPECIFICITY/ SWINE/ *THYROID GLAND, metabolism/ UNITED STATES GOV'T SUPPORTED

3027. **Perel JM, Irani F, Hurwic M, et al:** Tricyclic antidepressants: relationships among pharmacokinetics, metabolism and clinical outcome. pp. 325–36.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
AGE FACTORS/ *ANTIDEPRESSIVE AGENTS, TRICYCLIC, metabolism/ BLOOD PROTEINS, metabolism/ CHLORIMIPRAMINE, metabolism/ *DEPRESSION, drug therapy/ DESIPRAMINE, metabolism/ FEMALE/ HUMAN/ IMIPRAMINE, metabolism/ KINETICS/ MALE/ MICROSOMES, LIVER, metabolism/ MONOGRAPH/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ NORTRIPTYLINE, metabolism/ PROGNOSIS/ PROTEIN BINDING/ SEROTONIN, metabolism/ SEX FACTORS/ SMOKING, complications

3028. **Pérez-Clavier R, Harrison RG:** The effect of interruption of lymphatic drainage from the rat testis. J Pathol 124(4):219–25, Apr 78
ANIMAL/ LIGATION/ *LYMPHATIC SYSTEM, physiology/ MALE/ RATS/ REGENERATION/ SEMINIFEROUS TUBULES, pathology/ *TESTIS, pathology/ TESTIS, physiopathology/ TIME FACTORS

3029. **Perkins CM, Lee MR:** Flurbiprofen and fludrocortisone in severe autonomic neuropathy [letter] Lancet 2(8098):1058, 11 Nov 78
ADOLESCENCE/ BLOOD PRESSURE, drug effects/ CASE REPORT/ DRUG THERAPY, COMBINATION/ FEMALE/ *FLUDROCORTISONE, administration & dosage/ *FLURBIPROFEN, administration & dosage/ HUMAN/ *HYPOTENSION, ORTHOSTATIC, drug therapy/ *PROPIONATES, administration & dosage/ *REFLEX, ABNORMAL, drug therapy

3030. **Perloff LJ, Utiger RD, Alavi A, et al:** Effect of histocompatibility and transplant site in thyroid allograft survival. Surg Forum 28:312–3, 1977
ANIMAL/ *GRAFT SURVIVAL/ *HISTOCOMPATIBILITY ANTIGENS/ RATS/ RATS, INBRED ACI/ RATS, INBRED STRAINS/ THYROID GLAND, immunology/ *THYROID GLAND, transplantation/ TRANSPLANTATION, ALLOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3031. **Perri G:** A severe form of metatropic dwarfism. Pediatr Radiol 7(3):183–5, 26 Sep 78
BONE AND BONES, radiography/ CASE REPORT/ *DWARFISM, radiography/ FEMALE/ HUMAN

3032. **Perrin F, Normand M, Fortier C:** Analysis through mathematical models of the dynamics of the adrenal cortical response to ACTH in the rat. Ann Biomed Eng 6(1):1–15, Mar 78
*ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, secretion/ ANIMAL/ CORTICOSTERONE, blood/ *CORTICOSTERONE, secretion/ CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ *CORTICOTROPIN, pharmacodynamics/ MALE/ MATHEMATICS/ MODELS, BIOLOGICAL/ RATS

3033. **Perry MM, Gilbert AB, Evans AJ:** The structure of the germinal disc region of the hen's ovarian follicle during the rapid growth phase. J Anat 127(2):379–92, Oct 78
ANIMAL/ CELL DIVISION/ CELL MEMBRANE, ultrastructure/ *CHICKENS, anatomy & histology/ CYTOPLASM, ultrastructure/ EXTRACELLULAR SPACE, ultrastructure/ FEMALE/ GRAAFIAN FOLLICLE, growth & development/ *GRAAFIAN FOLLICLE, ultrastructure/ GRANULOSA CELLS, ultrastructure/ MICROSCOPY, ELECTRON/ OOCYTES, growth & development/ *OOCYTES, ultrastructure/ *OVUM, ultrastructure

3034. **Perryman EK, Bagnara JT:** Extravascular transfer within the anuran pars intermedia. Cell Tissue Res 193(2):297–313, 17 Oct 78
ANIMAL/ *CAPILLARY PERMEABILITY/ *EXTRACELLULAR SPACE, physiology/ FEMALE/ FROGS/ *HORSERADISH PEROXIDASE, diagnostic use/ MALE/ MSH, metabolism/ *PEROXIDASES, diagnostic use/ PINOCYTOSIS/ *PITUITARY GLAND, physiology/ PITUITARY GLAND, ultrastructure/ *RANA PIPIENS, physiology/ UNITED STATES GOV'T SUPPORTED

3035. **Persaud TV, Thliveris JA:** Pregnancy and progeny in rats treated with prostaglandin in F2alpha.
Prostaglandins Med 1(1):23–30, Jul 78
ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, ultrastructure/ ANIMAL/ BODY HEIGHT, drug effects/ BODY WEIGHT, drug effects/ FEMALE/ FETAL RESORPTION, chemically induced/ *FETUS, drug effects/ MATERNAL-FETAL EXCHANGE/ PLACENTA, drug effects/ PLACENTA, ultrastructure/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ *PROSTAGLANDINS F, pharmacodynamics/ RATS

3036. **Persson PH, Marsál K:** Monitoring of fetuses with retarded BPD growth. Acta Obstet Gynecol Scand [Suppl] (78):49–55, 1978
ABDOMEN/ ADOLESCENCE/ ADULT/ BIRTH WEIGHT/ CEPHALOMETRY/ ESTRIOL, urine/ FEMALE/ *FETAL GROWTH RETARDATION, diagnosis/ FETAL HEART, physiology/ *FETAL MONITORING/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ MIDDLE AGE/ PREGNANCY/ RESPIRATION/ ULTRASONICS, diagnostic use

3037. **Pertseva MN:** Razvitie v ontogeneze gormonoreaktivnosti fermentnykh sistem obmena i funktsii tsiklicheskikh nukleotidov. Usp Sovrem Biol 86(2):177–91, Sep–Oct 78 (80 ref.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL/ CATECHOLAMINES, pharmacodynamics/ CHICKENS/ GLUCAGON, pharmacodynamics/ GRAIN, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ GUANYL CYCLASE, metabolism/ *HORMONES, physiology/ LIVER, metabolism/ MICE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ ONTOGENY/ PROTEIN KINASE, metabolism/ RATS/ REVIEW/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3038. **Pertyński J:** Wydzylanie gruczołów mlecznych.
Pieleg Polozna (12):7–8, 1978 **(Pol)**
*BREAST FEEDING/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LACTATION/ PREGNANCY

3039. **Peter RE, Crim LW, Goos HJ, et al:** Lesioning studies on the gravid female goldfish: neuroendocrine regulation of ovulation. Gen Comp Endocrinol 35(4):391–401, Aug 78
ANIMAL/ BRAIN, physiology/ *CYPRINIDAE, physiology/ FEMALE/ *GOLDFISH, physiology/ *LH-FSH RELEASING HORMONE, blood/ NEUROSECRETORY SYSTEMS, physiology/ OOGENESIS/ *OVULATION/ TELENCEPHALON, physiology

3040. **Peterek J, Horoszko B:** Wartość serologiczna testu gravindex w diagnostyce przewlekłej postaci ciąży pozamacicznej jajowodowej. Wiad Lek 31(18):1269–71, 15 Sep 78 (Eng. Abstr.) **(Pol)**
CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, immunology/ HUMAN/ *PREGNANCY TESTS, IMMUNOLOGIC, methods/ PREGNANCY/ *PREGNANCY, TUBAL, diagnosis

3041. **Peterlik M:** Vitamin D-dependent phosphate transport by chick intestine: inhibition by low Na+ and N-ethylmaleimide. Adv Exp Med Biol 103:149–59, 1978
ANIMAL/ CALCIUM, metabolism/ CHICKENS/ DUODENUM, metabolism/ *ETHYLMALEIMIDE, pharmacodynamics/ IN VITRO/ *INTESTINAL ABSORPTION, drug effects/ *PHOSPHATES, metabolism/ SODIUM, pharmacodynamics/ *SODIUM, physiology/ *VITAMIN D, physiology

3042. **Peterlik M:** Phosphate transport by embryonic chick duodenum. Stimulation by vitamin D3.
Biochim Biophys Acta 514(1):164–71, 4 Dec 78
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE, pharmacodynamics/ CHICK EMBRYO/ *CHOLECALCIFEROLS, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ DUODENUM, drug effects/ *DUODENUM, metabolism/ KINETICS/ ORGAN CULTURE/ *PHOSPHATES, metabolism/ SODIUM, pharmacodynamics

3043. **Petersen EN, Bechgaard E, Sortwell RJ, et al:** Potent depletion of 5HT from monkey whole blood by a new 5HT uptake inhibitor, paroxetine (FG 7051). Eur J Pharmacol 52(1):115–9, 1 Nov 78
ANIMAL/ BLOOD PLATELETS, drug effects/ DIOXOLANES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MALE/ MONKEYS/ *PIPERIDINES, pharmacodynamics/ RHESUS MONKEYS/ *SEROTONIN, blood

3044. **Petersen S:** Effects of testosterone upon feeding in male mice. Anim Behav 26(3):945–52, Aug 78
ANIMAL/ BODY WEIGHT/ CASTRATION, veterinary/ COMPARATIVE STUDY/ *EATING, drug effects/ FEMALE/ MALE/ MICE, growth & development/ *MICE, physiology/ PUBERTY/ SEX FACTORS/ *TESTOSTERONE, pharmacodynamics

3045. **Peterson JA, Buehring GC, Taylor-Papadimitriou J, et al:** Expression of human mammary epithelial (HME) antigens in primary cultures of normal and abnormal breast tissue. Int J Cancer 22(6):655–61, Dec 78
ANTIGENIC DETERMINANTS/ *ANTIGENS/ *BREAST DISEASES, immunology/ *BREAST NEOPLASMS, immunology/ BREAST, cytology/ *BREAST, immunology/ CELL MEMBRANE, immunology/ CELLS, CULTURED/ ENDOTHELIUM, cytology/ ENDOTHELIUM, immunology/ EPITHELIUM, cytology/ EPITHELIUM, immunology/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ OVARY, cytology/ OVARY, immunology/ SKIN, cytology/ SKIN, immunology/ THYROID GLAND, cytology/ THYROID GLAND, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3046. **Petith MM, Wilson HD, Schedl HP:** Vitamin D dependence of in vivo calcium transport and mucosal calcium binding protein in rat large intestine. Gastroenterology 76(1):99–104, Jan 79
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM CHLORIDE, diagnostic use/ CALCIUM RADIOISOTOPES/ *CALCIUM, metabolism/ *CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ *CARRIER PROTEINS, metabolism/ CECUM, metabolism/ ERGOCALCIFEROL, pharmacodynamics/ *INTESTINE, LARGE, metabolism/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D DEFICIENCY, metabolism

3047. **Petith MM, Wenger JR, Schedl HP:** Vitamin D dependence and aboral gradient of in vivo intestinal calcium transport in the rat. Am J Dig Dis 23(10):943–7, Oct 78
ANIMAL/ BIOLOGICAL TRANSPORT/ BODY WEIGHT/ *CALCIUM, metabolism/ CECUM, metabolism/ COLON, metabolism/ COMPARATIVE STUDY/ DUODENUM, metabolism/ ILEUM, metabolism/ *INTESTINES, metabolism/ MALE/ ORGAN WEIGHT/ PHOSPHORUS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN D, pharmacodynamics

3048. **Petkov V, Todorov S, Donev N, et al:** Comparative studies of colon reactivity of healthy and ionization-radiated guinea-pigs to some spasmogens and their antagonists.
Acta Physiol Pharmacol Bulg 4(1):26–37, 1978
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ ATROPINE, pharmacodynamics/ BARIUM, pharmacodynamics/ COLON, drug effects/ *COLON, radiation effects/ COMPARATIVE STUDY/ DRUG INTERACTIONS/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ *MUSCLE CONTRACTION, radiation effects/ MUSCLE, SMOOTH, drug effects/ *MUSCLE, SMOOTH, radiation effects/ NICOTINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ TIME FACTORS

3049. **Petri E, Georgi M, Günther F, et al:**
Vena-ovarica-Syndrom--Mythos oder Tatsache.
Helv Chir Acta 44(3):365–7, Jun 77 **(Ger)**
DILATATION, PATHOLOGIC/ FEMALE/ HUMAN/ *OVARY, blood supply/ PHLEBOGRAPHY/ SYNDROME/ URETER, radiography/ *URETERAL OBSTRUCTION,

etiology/ URETERAL OBSTRUCTION, radiography/ *VEINS, abnormalities

3050. **Petrovic VM, Janic-Sibalic V, Aminot A, et al:** Adrenal tyrosine hydroxylase activity in the ground squirrel--effect of cold and arousal from hibernation. Comp Biochem Physiol [C] 61C(1):99-101, 1978
*ADRENAL GLANDS, enzymology/ ANIMAL/ *COLD/ *HIBERNATION/ MALE/ ORGAN WEIGHT/ SEASONS/ *SQUIRRELS, metabolism/ *TYROSINE HYDROXYLASE, metabolism

3051. **Petrovich IuA, Kolosovskiĭ VM, Podorazhnaia RP:** Sintez tireoidnykh gormonov i sostav sliuny u zhivotnykh, poluchavshikh sakharoznuiu dietu. Stomatologiia (Mosk) 57(6):10-3, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANESTHESIA, DENTAL/ ANIMAL/ BARBITURATES/ COMPARATIVE STUDY/ *DIET, CARIOGENIC/ ENGLISH ABSTRACT/ RATS/ *SALIVA, metabolism/ SALIVATION, drug effects/ *THYROID HORMONES, biosynthesis/ TIME FACTORS

3052. **Pezolet M, Pigeon-Gosselin M, Savoie R, et al:** Laser Raman investigation of intact single muscle fibers. On the state of water in muscle tissue. Biochim Biophys Acta 544(2):394-406, 1 Dec 78
ANIMAL/ BARNACLES/ *BODY WATER, analysis/ FREEZING/ *MUSCLES, ultrastructure/ SPECTRUM ANALYSIS, RAMAN/ THIOCYANATES

3053. **Pfaffenberger CD, Malinak LR, Horning EC:** High-resolution biomedical gas chromatography. Study of urinary steroid metabolite ratios of women with breast lesions using open-tubular glass capillary columns. J Chromatogr 158:313-30, 1 Oct 78
ADULT/ AGE FACTORS/ AGED/ ANDROSTERONE, urine/ *BREAST DISEASES, urine/ *BREAST NEOPLASMS, urine/ CHROMATOGRAPHY, GAS, methods/ *CYSTIC FIBROSIS, urine/ ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ *STEROIDS, urine/ TETRAHYDROCORTISOL, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3054. **Pfeffer RI:** Estrogen use, hypertension and stroke in postmenopausal women. J Chronic Dis 31(6-7):389-98, 1978
AGED/ *CEREBROVASCULAR DISORDERS, chemically induced/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *HYPERTENSION, chemically induced/ *MENOPAUSE/ MIDDLE AGE/ RISK/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3055. **Pfeifer WD, Bookin HB:** Vasopressin antagonizes retrograde amnesia in rats following electroconvulsive shock. Pharmacol Biochem Behav 9(2):261-3, Aug 78
*AMNESIA, drug therapy/ *AMNESIA, RETROGRADE, drug therapy/ ANIMAL/ CARBON DIOXIDE, pharmacodynamics/ *ELECTROSHOCK/ LYPRESSIN, pharmacodynamics/ MALE/ *MEMORY, drug effects/ MEMORY, physiology/ PENTYLENETETRAZOLE, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ RATS/ TIME FACTORS/ *VASOPRESSINS, pharmacodynamics

3056. **Phaily S, Senior J:** Inhibition of oestrogen-induced increase in uterine blood flow in the rat. J Pharm Pharmacol 30(11):734-5, Nov 78
ANIMAL/ CASTRATION/ ESTRADIOL ANTAGONISTS/ ESTRADIOL, pharmacodynamics/ *ESTROGEN ANTAGONISTS/ FEMALE/ PYRILAMINE, pharmacodynamics/ RATS/ REGIONAL BLOOD FLOW, drug effects/ *UTERUS, blood supply

3057. **Pharris BB:** Local treatment of the endometrium with progesterone. Ann NY Acad Sci 286:226-32, 11 Mar 77
DELAYED-ACTION PREPARATIONS/ *ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ ESTRADIOL, metabolism/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, MEDICATED/ MENSTRUATION, FOLLICULAR PHASE/ MENSTRUATION, LUTEAL PHASE/ *PROGESTERONE, administration & dosage/ PROGESTERONE, metabolism

3058. **Philip B, Kurup PA:** Cortisol & metabolism of glycosaminoglycans in rats fed normal & atherogenic diet. Indian J Biochem Biophys 15(1):66-70, Feb 78
ANIMAL/ AORTA, drug effects/ AORTA, metabolism/ CHOLESTEROL, DIETARY/ *DIET, ATHEROGENIC/ *GLYCOSAMINOGLYCANS, metabolism/ *HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ LIVER, metabolism/ MALE/ RATS

3059. **Philipp T, Distler A, Cordes U:** Sympathetic nervous system and blood-pressure control in essential hypertension. Lancet 2(8097):959-63, 4 Nov 78
ADULT/ ANGIOTENSIN II, pharmacodynamics/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ COMPARATIVE STUDY/ EXERTION/ FEMALE/ HORMONES, SYNTHETIC, pharmacodynamics/ HUMAN/ *HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, blood/ NOREPINEPHRINE, pharmacodynamics/ REGRESSION ANALYSIS/ RENIN, blood/ REST/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ *SYMPATHETIC NERVOUS SYSTEM, physiopathology

3060. **Phillips C, Vessey M:** Starting on the pill [letter] Br Med J 2(6143):1021-2, 7 Oct 78
*CONTRACEPTIVES, ORAL, administration & dosage/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ HUMAN/ MENSTRUATION

3061. **Phillips GB:** Oestrogens and atheroma [letter] Lancet 2(8099):1102-3, 18 Nov 78
ADULT/ *CORONARY DISEASE, etiology/ CORTICOTROPIN, blood/ *ESTRADIOL, blood/ *ESTRONE, blood/ GLUCOSE TOLERANCE TEST/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ HYDROCORTISONE, blood/ HYPOLIPOPROTEINEMIAS, etiology/ LIPOPROTEINS, HDL, deficiency/ MALE/ SOMATOTROPIN, blood/ STANOLONE, blood/ TESTOSTERONE, blood

3062. **Phillips JF:** Continued use of contraception among Philippine family planning acceptors: a multivariate analysis. Stud Fam Plann 9(7):182-92, Jul 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANALYSIS OF VARIANCE/ *CONTRACEPTION/ CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, utilization/ KNOWLEDGE, ATTITUDES, PRACTICE/ *PATIENT ACCEPTANCE OF HEALTH CARE/ PHILIPPINES/ RHYTHM METHOD, utilization/ SOCIOECONOMIC FACTORS

3063. **Phillips SD, Salway JG, Payne RB, et al:** Interpretation of urinary oestrogen:creatinine ratio for monitoring fetoplacental function in late pregnancy. Clin Chim Acta 89(1):71-8, 2 Oct 78
*CREATININE, urine/ *ESTROGENS, urine/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ MONITORING, PHYSIOLOGIC/ *PLACENTA, physiology/ PREGNANCY/ TIME FACTORS

3064. **Phornphutkul C, Damrongsak D, Silpisornkosol S:** Steroid therapy in cardiac conduction disturbances in children with diptheria. Mod Med Asia 14(8):38, 43-4, Aug 78
ARRHYTHMIA, drug therapy/ ARRHYTHMIA, etiology/ CHILD/ CHILD, PRESCHOOL/ *DIPHTHERIA, complications/ DIPHTHERIA, drug therapy/ FEMALE/ HEART CONDUCTION SYSTEM, drug effects/ HUMAN/ INFANT/ MALE/ *MYOCARDITIS, drug therapy/ MYOCARDITIS, microbiology/ *PREDNISOLONE, therapeutic use

3065. **Picard F, Homo F, Duval D:** Influence of enzyme treatment on dexamethasone binding in isolated thymocytes. J Steroid Biochem 9(8):703-7, Aug 78
ANIMAL/ BIOLOGICAL TRANSPORT/ *DEXAMETHASONE, metabolism/ FEMALE/ IN VITRO/ KINETICS/ MICE/ *NEURAMINIDASE, pharmacodynamics/ *PHOSPHOLIPASE, pharmacodynamics/ RECEPTORS, GLUCOCORTICOID, drug effects/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ RNA, biosynthesis/ *THYMUS GLAND, metabolism/ URIDINE, metabolism

3066. **Picard JY, Tran D, Josso N:** Biosynthesis of labelled anti-müllerian hormone by fetal testes: evidence for the glycoprotein nature of the hormone and for its

disulfide-bonded structure. Mol Cell Endocrinol 12(1):17-30, Oct 78
ANIMAL/ CATTLE/ DISULFIDES/ FEMALE/ FETUS/ FUCOSE, metabolism/ IMMUNE SERUMS/ IMMUNOASSAY/ MALE/ MOLECULAR WEIGHT/ MULLERIAN DUCTS, growth & development/ MULLERIAN DUCTS, metabolism/ PREGNANCY/ *TESTICULAR HORMONES, biosynthesis/ *TESTIS, metabolism/ *THYROID GLAND, metabolism

3067. **Piccioni RG, Mauzerall DC:** Calcium and photosynthetic oxygen evolution in cyanobacteria. Biochim Biophys Acta 504(3):384-97, 7 Dec 78
*ALGAE, BLUE-GREEN, metabolism/ BINDING SITES/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ FERRICYANIDES, pharmacodynamics/ KINETICS/ *OXYGEN, metabolism/ *PHOTOSYNTHESIS, drug effects/ UNITED STATES GOV'T SUPPORTED

3068. **Pickart L, Millard MM, Beiderman B, et al:** Surface analysis and depth profiles of calcium in hepatoma cells during pyruvate-induced DNA synthesis. Biochim Biophys Acta 544(1):138-43, 15 Nov 78
*CALCIUM, metabolism/ CELL LINE/ CELL MEMBRANE, metabolism/ DNA REPLICATION, drug effects/ *DNA, NEOPLASM, biosynthesis/ *HEPATOMA, EXPERIMENTAL, metabolism/ KINETICS/ *PYRUVATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3069. **Pietrek J, Kokot F, Kuska J:** Serum 25-hydroxyvitamin D and parathyroid hormone in patients with acute renal failure. Kidney Int 13(2):178-85, Feb 78
ADULT/ AGED/ CALCIUM, blood/ DIURESIS/ FEMALE/ HALF-LIFE/ HEMODIALYSIS/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ *KIDNEY FAILURE, ACUTE, blood/ MALE/ MIDDLE AGE/ OLIGURIA, blood/ *PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ POLYURIA, blood

3070. **Pignatti CB, Maggiore G, Bianchi E, et al:** Adrenal hemorrhage in a newborn with Bechwith-Wiedemann syndrome. Am J Dis Child 132(11):1142-3, Nov 78
*ABNORMALITIES, MULTIPLE/ *ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, pathology/ CASE REPORT/ *CYSTS, diagnosis/ CYSTS, pathology/ *HEMORRHAGE, diagnosis/ HEMORRHAGE, pathology/ HUMAN/ INFANT, NEWBORN/ MALE/ SYNDROME/ TONGUE, abnormalities/ UMBILICAL HERNIA, congenital

3071. **Pilosof T, Andreev T:** Aseptichni kostni nekrozi pri lupusnata bolest. Vutr Boles 17(5):84-92, 1978 (Eng. Abstr.) **(Bul)**
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LUPUS ERYTHEMATOSUS, DISCOID, drug therapy/ *LUPUS ERYTHEMATOSUS, DISCOID, pathology/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/ MALE/ MIDDLE AGE/ OSTEONECROSIS, drug therapy/ *OSTEONECROSIS, pathology

3072. **Piper EL, Combs KJ, Peterson HP:** Influence of corticoid-induced parturition on postpartum uterine activity. VM SAC 73(11):1447-9, Nov 78
ANIMAL/ CATTLE/ *DEXAMETHASONE, pharmacodynamics/ DRUG THERAPY, COMBINATION/ ERGONOVINE, analogs & derivatives/ ERGONOVINE, pharmacodynamics/ ESTRADIOL, pharmacodynamics/ FEMALE/ *LABOR, INDUCED, veterinary/ PLACENTA, drug effects/ PREGNANCY/ PUERPERIUM/ UTERUS, drug effects/ *UTERUS, physiology

3073. **Pipkin FB, Oats JJ, Symonds EM:** Sequential changes in the human renin-angiotensin system following delivery. Br J Obstet Gynaecol 85(11):821-7, Nov 78
*ANGIOTENSIN II, blood/ HUMAN/ HYPERTENSION, blood/ LABOR/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY/ *PUERPERIUM/ *RENIN, blood

3074. **Pirke KM, Geiss M, Sintermann R:** A quantitative study on feedback control of LH by testosterone in young adult and old male rats. Acta Endocrinol (Copenh) 89(4):789-95, Dec 78
AGE FACTORS/ ANIMAL/ CASTRATION/ DRUG IMPLANTS/ FEEDBACK/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LH, blood/ *LH, secretion/ MALE/ *PITUITARY-ADRENAL SYSTEM, physiology/ RATS/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics/ *TESTOSTERONE, physiology

3075. **Pirlich W, Greul G, Ambrosius H:** Wert und Probleme der Bestimmung des alpha-Fetoproteins bei Hodentumoren. Z Urol Nephrol 71(9):613-6, Sep 78 (Eng. Abstr.) **(Ger)**
*ALPHA FETOPROTEINS, analysis/ CHORIOCARCINOMA, diagnosis/ DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ HUMAN/ MALE/ TERATOID TUMOR, diagnosis/ *TESTICULAR NEOPLASMS, diagnosis

3076. **Piskunova GM, Iurchenko OP:** Imeiutsia li retseptory serotonina na some neĭrona molliuskov? Dokl Akad Nauk SSSR 242(2):484-6, 1978 **(Rus)**
COMPARATIVE STUDY/ *HELIX (SNAILS), cytology/ *LYMNAEA, cytology/ *NEURONS, analysis/ NEURONS, drug effects/ *RECEPTORS, SEROTONIN, analysis/ SEROTONIN, pharmacodynamics

3077. **Pita JC, Blanco LN, Howell DS:** Determination of total and unbound calcium in nanoliter samples of cartilage fluid and serum. Anal Biochem 90(1):126-35, 1 Oct 78
ANIMAL/ *CALCIUM, analysis/ CALCIUM, blood/ *CARTILAGE, analysis/ DIALYSIS/ LANTHANUM/ MALE/ METHODS/ RATS/ RICKETS, blood/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3078. **Pitt D, Connelly J, Francis I, et al:** Genetic screening of the newborn in Australia [letter] Med J Aust 2(4):155-7, 12 Aug 78
*AMINO ACID METABOLISM, INBORN ERRORS, occurrence/ AUSTRALIA/ FEMALE/ *GENETIC SCREENING/ HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, occurrence/ INFANT, NEWBORN/ MALE/ *PHENYLKETONURIA, occurrence

3079. **Pittaway DE:** Canine testicular 17beta-hydroxysteroid oxidoreductase activity. I. Substrate specificity. Steroids 32(2):157-63, Sep 78
ANDROSTENEDIONE/ ANIMAL/ DEHYDROEPIANDROSTERONE/ DOGS/ ESTRONE/ IN VITRO/ KINETICS/ MALE/ SUBSTRATE SPECIFICITY/ *TESTIS, enzymology/ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism

3080. **Pittman QJ, Blume HW, Renaud LP:** Electrophysiological indications that individual hypothalamic neurons innervate both median eminence and neurohypophysis. Brain Res 157(2):364-8, 24 Nov 78
ACTION POTENTIALS/ ANIMAL/ AXONS, physiology/ ELECTRIC STIMULATION/ ELECTROPHYSIOLOGY/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ *HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, MEDIAL, anatomy & histology/ MALE/ *MEDIAN EMINENCE, anatomy & histology/ NEURONS, physiology/ PITUITARY GLAND, POSTERIOR, anatomy & histology/ *PITUITARY GLAND, POSTERIOR, innervation/ RATS

3081. **Pittner F, Hoffmann-Ostenhof O:** Studies on the biosynthesis of cyclitols, XXXVII. On mechanism and function of Schiff's base formation as an intermediary reaction step of myo-inositol-1-phosphate synthase from rat testicles. Hoppe Seylers Z Physiol Chem 359(10):1395-400, Oct 78
ANIMAL/ BINDING SITES/ *CARBOHYDRATE ISOMERASES, metabolism/ GLUCOSEPHOSPHATES/ *INOSITOL-1-PHOSPHATE SYNTHASE, metabolism/ KINETICS/ LYSINE/ MALE/ NAD/ RATS/ SCHIFF BASES/ SUGAR ALCOHOLS, biosynthesis/ *TESTIS, enzymology

3082. **Pitts JS, Donaldson VH, Forristal J, et al:** Remissions induced in hereditary angioneurotic edema with an attenuated androgen (danazol): correlation between concentrations of

C1-inhibitor and the forth and second components of complement. J Lab Clin Med 92(4):501-7, Oct 78
ANGIONEUROTIC EDEMA, blood/ *ANGIONEUROTIC EDEMA, drug therapy/ ANGIONEUROTIC EDEMA, familial & genetic/ *COMPLEMENT 1 INACTIVATORS, metabolism/ *COMPLEMENT 2, metabolism/ *COMPLEMENT 4, metabolism/ *DANAZOL, therapeutic use/ HUMAN/ *PREGNADIENES, therapeutic use/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3083. **Plainfossé C, Fauvet JE:** Exploration radiologique des traumatismes de l'appareil locomoteur (crâne et rachis exclus). Rev Infirm 28(9):797-804, Nov 78 **(Fre)**
*BONE AND BONES, radiography/ FRACTURES, radiography/ HUMAN/ *WOUNDS AND INJURIES, radiography

3084. **Plainfossé MC, Mercier-Pageyrai B, Carrez JP:** Echotomographie de la surrénale normale. J Radiol Electrol Med Nucl 59(6-7):429-30, Jun-Jul 78 **(Fre)**
*ADRENAL GLANDS/ HUMAN/ *TOMOGRAPHY/ *ULTRASONICS, diagnostic use

3085. **Plakhuta-Plakutina GI:** Spermatogenez u sobak pri mnogoletnem khronicheskom gamma-obluchenii i v periode posledeistviia. Kosm Biol Aviakosm Med 12(6):50-5, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ DOGS/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ ENGLISH ABSTRACT/ EPITHELIUM, radiation effects/ GAMMA RAYS, adverse effects/ MALE/ REGENERATION, radiation effects/ SEMINAL VESICLES, radiation effects/ *SPERMATOGENESIS, radiation effects/ SPERMATOGONIA, radiation effects/ TESTIS, radiation effects/ TIME FACTORS

3086. **Planz G, Planz R, Persigehl M, et al:** Adrenalin- und Noradrenalinkonzentration Im Blut der Nebennieren- und Nierenvenen des Menschen bei normalem Blutdruck und bei essentieller Hypertonie. Klin Wochenschr 56(22):1109-12, 15 Nov 78 (Eng. Abstr.) **(Ger)**
ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLANDS, blood supply/ ADRENAL MEDULLA, blood supply/ ENGLISH ABSTRACT/ *EPINEPHRINE, blood/ HUMAN/ *HYPERTENSION, blood/ *NOREPINEPHRINE, blood/ PHEOCHROMOCYTOMA, blood/ RENAL VEINS/ VEINS

3087. **Platt G, Cranford RE, Anderson DC, et al:** Thyrotoxic periodic paralysis with upper motor neuron findings. JAMA 240(22):2465-6, 24 Nov 78
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPERTHYROIDISM, complications/ HYPOKALEMIA, complications/ HYPOKALEMIA, drug therapy/ MALE/ *MOTOR NEURONS/ PARALYSIS, FAMILIAL PERIODIC, diagnosis/ *PERIODICITY/ POTASSIUM, therapeutic use/ *QUADRIPLEGIA, etiology/ RECURRENCE/ REMISSION

3088. **Platt JE, Christopher MA, Sullivan CA:** The role of prolactin in blocking thyroxine-induced differentiation of tail tissue in larval and neotenic Ambystoma tigrinum. Gen Comp Endocrinol 35(4):402-8, Aug 78
*AMBYSTOMA, physiology/ ANIMAL/ BODY WEIGHT, drug effects/ CELL DIFFERENTIATION, drug effects/ GILLS, cytology/ *METAMORPHOSIS, BIOLOGICAL, drug effects/ *PROLACTIN, pharmacodynamics/ SODIUM, metabolism/ TAIL, cytology/ *THYROXINE, antagonists & inhibitors/ *WATER-ELECTROLYTE BALANCE, drug effects

3089. **Pletscher A:** Platelets as models for monoaminergic neurons. Essays Neurochem Neuropharmacol 3:49-101, 1978 (223 ref.)
AFFECTIVE DISTURBANCES, blood/ ANIMAL/ BIOGENIC AMINES, blood/ *BIOGENIC AMINES, physiology/ BLOOD PLATELETS, metabolism/ *BLOOD PLATELETS, physiology/ CATECHOLAMINES, blood/ CELL MEMBRANE, metabolism/ CHILD/ DOWN'S SYNDROME, blood/ EXOCYTOSIS/ HUMAN/ MENTAL DISORDERS, blood/ *NEURONS, physiology/ PARKINSON DISEASE, blood/ PHENETHYLAMINES, pharmacodynamics/ RESERPINE, pharmacodynamics/ REVIEW/ SCHIZOPHRENIA, blood/ SEROTONIN, blood

3090. **Pliska V:** Affinity of 1,2-substituted oxytocin analogues to the uterus receptor: Free-Wilson and Hansch analysis. Experientia 34(9):1190-2, 15 Sep 78
ANIMAL/ BINDING, COMPETITIVE/ CHEMISTRY, PHYSICAL/ FEMALE/ *OXYTOCIN, analogs & derivatives/ OXYTOCIN, metabolism/ RATS/ *RECEPTORS, HORMONE, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UTERUS, metabolism

3091. **Plomp GJ, Van Ree JM:** Adrenocorticotrophic hormone fragments mimic the effect of morphine in vitro. Br J Pharmacol 64(2):223-7, Oct 78
ANIMAL/ ANTIBODIES/ BINDING, COMPETITIVE/ *CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, pharmacodynamics/ IN VITRO/ MALE/ MICE/ MORPHINE, immunology/ *MORPHINE, pharmacodynamics/ *MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, drug effects/ PEPTIDE FRAGMENTS, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ VAS DEFERENS, drug effects

3092. **Plotkin D, Lechner JJ, Jung WE, et al:** Tamoxifen flare in advanced breast cancer. JAMA 240(24):2644-6, 8 Dec 78
ADULT/ AGED/ BONE AND BONES, drug effects/ *BREAST NEOPLASMS, drug therapy/ CASE REPORT/ FEMALE/ HUMAN/ HYPERCALCEMIA, chemically induced/ MENOPAUSE/ MIDDLE AGE/ *PAIN, chemically induced/ REMISSION/ *TAMOXIFEN, adverse effects/ TAMOXIFEN, therapeutic use/ TIME FACTORS

3093. **Plouin PF, Ménard J, Corvol P, et al:** Incidence des bêta-bloquants sur l'activité rénine plasmatique. Point actuel. Nouv Presse Med 7(31):2769-74, 20 Sep 78 (48 ref.) **(Fre)**
ACEBUTOLOL, pharmacodynamics/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ALDOSTERONE, metabolism/ BLOOD PRESSURE, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ HYPERTENSION, drug therapy/ NATRIURESIS, drug effects/ PROPRANOLOL, pharmacodynamics/ *RENIN, blood/ RENIN, physiology/ REVIEW

3094. **Podesta EJ, Dufau ML, Solano AR, et al:** Hormonal activation of protein kinase in isolated Leydig cells. Electrophoretic analysis of cyclic AMP receptors. J Biol Chem 253(24):8994-9001, 25 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ENZYME ACTIVATION/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ KINETICS/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, metabolism/ LH, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ MALE/ *PROTEIN KINASE, metabolism/ RADIOIMMUNOASSAY/ RATS/ *RECEPTORS, CYCLIC AMP, metabolism

3095. **Pohle W, Förster E, Hethey B, et al:** Medikamenteneinnahme und endoskopischer Befund. Med Welt 29(50):1968-9, 15 Dec 78 **(Ger)**
ALCOHOL DRINKING/ *CORTISONE, adverse effects/ ENDOSCOPY/ FEMALE/ *GASTROINTESTINAL DISEASES, chemically induced/ HUMAN/ MALE/ *PYRAZOLES, adverse effects/ SMOKING

3096. **Pokrovskiĭ ABV, Usvatova IIa, Tenedieva VD, et al:** Znachenie opredeleniia aktivnosti renina v plazme krovi pochechnykh ven u bol'nykh s simptomaticheskoĭ gipertenziei. Kardiologiia 18(11):29-33, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AORTIC COARCTATION, blood/ ARTERIOSCLEROSIS, blood/ BLOOD PRESSURE/ CHILD/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, RENOVASCULAR, blood/ MIDDLE AGE/ *RENAL VEINS/ *RENIN, blood

3097. **Polak JM, Bloom SR:** Peptidergic innervation of the gastrointestinal tract. Adv Exp Med Biol 106:27-49, 1978
APUD CELLS, physiology/ *AUTONOMIC NERVOUS SYSTEM, physiology/ AUTONOMIC NERVOUS SYSTEM, physiopathology/ BOMBESIN, physiology/ BRAIN, immunology/ CHOLECYSTOKININ, physiology/ ENDORPHINS,

physiology/ ENKEPHALINS, physiology/ FIXATIVES/ GASTROINTESTINAL HORMONES, immunology/ *GASTROINTESTINAL HORMONES, physiology/ HUMAN/ IMMUNOCHEMISTRY/ IMMUNOENZYME TECHNICS/ INTESTINES, immunology/ *INTESTINES, innervation/ MEGACOLON, physiopathology/ NEUROTENSIN, physiology/ PEPTIDES, immunology/ *PEPTIDES, physiology/ RADIOIMMUNOASSAY/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ SUBSTANCE P, physiology/ TRYPANOSOMIASIS, SOUTH AMERICAN, physiopathology/ VASOACTIVE INTESTINAL PEPTIDE, physiology

3098. **Poland BJ, Baillie DL:** Cell ploidy in molar placental disease. Teratology 18(2):253–6, Oct 78
*ANEUPLOIDY/ CHROMOSOMES/ CLONE CELLS, ultrastructure/ COMPUTERS/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, familial & genetic/ PLACENTA, ultrastructure/ PREGNANCY/ *UTERINE NEOPLASMS, familial & genetic

3099. **Polansky SM, Barwick KW, Ravin CE:** Primary mediastinal seminoma. AJR 132(1):17–21, Jan 79
ADULT/ CASE REPORT/ CHILD/ DYSGERMINOMA, pathology/ *DYSGERMINOMA, radiography/ FEMALE/ HUMAN/ MALE/ MEDIASTINAL NEOPLASMS, pathology/ *MEDIASTINAL NEOPLASMS, radiography/ MIDDLE AGE

3100. **Poley GE Jr, Shively CA, Vesell ES:** Diurnal rhythms of aminopyrine metabolism: failure to sleep deprivation to affect them. Clin Pharmacol Ther 24(6):726–32, Dec 78
ADULT/ *AMINOPYRINE, metabolism/ *CIRCADIAN RHYTHM/ *DIURNAL RHYTHM/ HALF-LIFE/ HUMAN/ HYDROCORTISONE, blood/ MALE/ METABOLIC CLEARANCE RATE/ SALIVA, metabolism/ *SLEEP DEPRIVATION/ 11-HYDROXYCORTICOSTEROIDS, blood

3101. **Polianichko MF, Bordiushkov IuN, Smiller RR, et al:** Eksperimental'noe i klinicheskoe obosnovanie adekvatnoĭ gormonokhimioterapii opukholeĭ pochki.
Urol Nefrol (Mosk) (6):58–61, Nov-Dec 78 **(Rus)**
AGED/ ANIMAL/ CASE REPORT/ CLINICAL RESEARCH/ DRUG EVALUATION/ DRUG SCREENING/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *KIDNEY NEOPLASMS, drug therapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ NEPHRECTOMY/ RATS/ *SEX HORMONES, therapeutic use

3102. **Pollack GH:** On the possible mechanism underlying spontaneous pacemaking. pp. 357–67.
In: Bonke FI, ed. The sinus node. The Hague, Nijhoff Medical Division, 1978. WG 202 W928s 1977.
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ ARRHYTHMIA, physiopathology/ ARRHYTHMIA, SINUS, physiopathology/ BRADYCARDIA, physiopathology/ CALCIUM, metabolism/ *CALCIUM, physiology/ CATECHOLAMINES, metabolism/ *CATECHOLAMINES, physiology/ ELECTROPHYSIOLOGY/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ HUMAN/ INTERCELLULAR JUNCTIONS/ MONOGRAPH/ SINOATRIAL NODE, metabolism/ *SINOATRIAL NODE, physiology/ SINOATRIAL NODE, ultrastructure/ TACHYCARDIA, physiopathology

3103. **Pollak EW, Getzen LC:** Inflammatory carcinoma of the breast. A therapeutic approach followed by improved survival. Am J Surg 136(6):722–5, Dec 78
ADENOCARCINOMA, mortality/ ADENOCARCINOMA, radiotherapy/ *ADENOCARCINOMA, therapy/ *ADRENALECTOMY/ ADULT/ AGED/ BREAST NEOPLASMS, mortality/ *BREAST NEOPLASMS, therapy/ *CASTRATION/ FEMALE/ HUMAN/ MASTECTOMY/ MIDDLE AGE/ NEOPLASM METASTASIS, radiotherapy/ *THIO-TEPA, therapeutic use

3104. **Pollow K, Geilfuss J, Boquoi E, et al:** Estrogen and progesterone binding proteins in normal human myometrium and leiomyoma tissue. J Clin Chem Clin Biochem 16(9):503–11, Sep 78
*CARRIER PROTEINS, metabolism/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, GEL/ CYTOSOL, metabolism/ *ESTROGENS, metabolism/ FEMALE/ HUMAN/ IN VITRO/ *LEIOMYOMA, metabolism/ *MYOMETRIUM, metabolism/ MYOMETRIUM, ultrastructure/ *PROGESTERONE, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ *UTERINE NEOPLASMS, metabolism/ *UTERUS, metabolism

3105. **Pollow K, Sinnecker G, Boquoi E, et al:** In vitro conversion of estradiol-17beta into estrone in normal human myometrium and leiomyoma. J Clin Chem Clin Biochem 16(9):493–502, Sep 78
*ESTRADIOL, metabolism/ *ESTRONE, metabolism/ FEMALE/ HUMAN/ IN VITRO/ *LEIOMYOMA, metabolism/ *MYOMETRIUM, metabolism/ MYOMETRIUM, ultrastructure/ SUBCELLULAR FRACTIONS, metabolism/ *UTERINE NEOPLASMS, metabolism/ *UTERUS, metabolism/ 17-HYDROXYSTEROID DEHYDROGENASES, metabolism

3106. **Pombo M, Martinón JM, Pena J, et al:** T3 thyrotoxicosis [letter] Am J Dis Child 132(11):1147, Nov 78
CASE REPORT/ CHILD/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *TRIIODOTHYRONINE, blood

3107. **Pommier M:** Criterios para el diagnóstico manejo y tratamiento del crecimiento intrauterino retardado.
Ginecol Obstet Mex 44(264):335–45, Oct 78 (Eng. Abstr.) **(Spa)**
ADOLESCENCE/ ADULT/ AMNIOSCOPY/ ENGLISH ABSTRACT/ ESTRIOL, blood/ FEMALE/ *FETAL GROWTH RETARDATION, diagnosis/ FETAL GROWTH RETARDATION, therapy/ FETAL HEART/ HEART RATE/ HUMAN/ PLACENTAL LACTOGEN, blood/ PREGNANCY/ ULTRASONICS

3108. **Pompei R, Marcialis MA, Flore O, et al:** Influence of hydrocortisone on cytopathic effect of Newcastle disease virus and stability to freezing of vescicular stomatitis virus. Experientia 34(11):1528–9, 15 Nov 78
CELLS, CULTURED/ CYTOPATHOGENIC EFFECT, VIRAL, drug effects/ FREEZING/ *HYDROCORTISONE, pharmacodynamics/ *NEWCASTLE DISEASE VIRUS, drug effects/ VESICULAR STOMATITIS VIRUS, drug effects/ VESICULAR STOMATITIS VIRUS, pathogenicity

3109. **Pongthai S, Suwanjinda P, Sakornrattanakul P, et al:** Return of ovulation at first postpartum visit. J Med Assoc Thai 61(11):626–33, Nov 78
ADULT/ BREAST FEEDING/ FEMALE/ HUMAN/ MATERNAL AGE/ *OVULATION/ PARITY/ PREGNANCY/ *PUERPERIUM/ TIME FACTORS

3110. **Ponstingl H, Nieto A, Beato M:** Amino acid sequence of progesterone-induced rabbit uteroglobin. Biochemistry 17(19):3908–12, 19 Sep 78
AMINO ACID SEQUENCE/ ANIMAL/ CHYMOTRYPSIN/ *GLYCOPROTEINS/ GLYCOPROTEINS, biosynthesis/ MALE/ PEPTIDE FRAGMENTS, analysis/ *PROGESTERONE, pharmacodynamics/ RABBITS/ TRYPSIN/ *UTEROGLOBIN/ UTEROGLOBIN, biosynthesis/ UTERUS, drug effects/ *UTERUS, metabolism

3111. **Ponzio NM, Chapman-Alexander J, Thorbecke GJ:** Properties of reticulum cell sarcomas in SJL/J mice VI. Characterization of lymphoid cells that proliferate in response to RCS cells. Cell Immunol 41(1):157–71, Nov 78
ANIMAL/ CELL COMMUNICATION/ CELL DIVISION/ CORTISONE, pharmacodynamics/ MICE/ MICE, INBRED BALB C/ MICE, INBRED STRAINS/ *SARCOMA, RETICULUM CELL/ *T-LYMPHOCYTES/ TIME FACTORS/ ULTRAVIOLET RAYS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X-RAYS

3112. **Popescu MP:** Date asupra posibilităţii de a aplica unele blocante ale sintezei prostaglandinelor oculare.
Rev Chir [Oftalmol] 22(3):213–4, Jul-Sep 78 **(Rum)**
ANIMAL/ *CATARACT EXTRACTION/ *EYE,

metabolism/ *GLAUCOMA, surgery/ HUMAN/ *INDOMETHACIN/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, pharmacodynamics/ *PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDIN ANTAGONISTS, administration & dosage/ *PROSTAGLANDINS, biosynthesis/ RABBITS

3113. **Popova NK, Kudriavtseva NN, Lubsanova SD:** Geneticheskiĭ kontrol' tkanevogo soderzhaniia serotonina u myshel. Genetika 14(10):1804–8, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BRAIN STEM, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ MICE/ MICE, INBRED BALB C/ MICE, INBRED STRAINS/ SEROTONIN, blood/ *SEROTONIN, genetics/ SPECIES SPECIFICITY/ *STOMACH, analysis

3114. **Popovtzer MM, Mehandru S, Saghafi D, et al:** Interactions between PTH, vitamin D metabolites, and other factors in tubular reabsorption of phosphate. Adv Exp Med Biol 103:11–9, 1978 (31 ref.)
ADENYL CYCLASE, physiology/ ANIMAL/ CALCITONIN, physiology/ CALCIUM, physiology/ HUMAN/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HYPERCALCEMIA, metabolism/ *KIDNEY TUBULES, metabolism/ PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ RATS/ REVIEW/ TIME FACTORS/ *VITAMIN D, physiology

3115. **Popp RA, Foresman KR, Wise LD, et al:** Amino acid sequence of a progesterone-binding protein. Proc Natl Acad Sci USA 75(11):5516–9, Nov 78
AMINO ACID SEQUENCE/ ANIMAL/ CARBOXYPEPTIDASES/ CHYMOTRYPSIN/ FEMALE/ *GLYCOPROTEINS/ LEUCINE AMINOPEPTIDASE/ PEPTIDE FRAGMENTS, analysis/ PREGNANCY/ *PROGESTERONE/ RABBITS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTEROGLOBIN

3116. **Portanova R, Brattin WJ:** The role of cyclic AMP in CRF-induced ACTH secretion. Proc Soc Exp Biol Med 159(1):6–11, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN RELEASING HORMONE, administration & dosage/ *CORTICOTROPIN RELEASING HORMONE, pharmacodynamics/ *CORTICOTROPIN, secretion/ DIBUTYRYL CYCLIC AMP, administration & dosage/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ IN VITRO/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, secretion/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3117. **Porter JC, Barnea A, Cramer OM, et al:** Hypothalamic peptide and catecholamine secretion: roles for portal and retrograde blood flow in the pituitary stalk in the release of hypothalamic dopamine and pituitary prolactin and LH. Clin Obstet Gynaecol 5(2):271–82, Aug 78 (44 ref.)
ANIMAL/ *DOPAMINE, secretion/ HYPOTHALAMUS, physiology/ *HYPOTHALAMUS, secretion/ *LH, secretion/ LH-FSH RELEASING HORMONE, physiology/ MONKEYS/ *PEPTIDES, secretion/ *PITUITARY GLAND, blood supply/ PITUITARY GLAND, physiology/ PITUITARY GLAND, secretion/ *PORTAL SYSTEM, physiology/ PROLACTIN, physiology/ *PROLACTIN, secretion/ RABBITS/ RATS/ REGIONAL BLOOD FLOW/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3118. **Porthé-Nibelle J, Lahlou B:** Uptake and binding of glucocorticoids in fish tissues. J Endocrinol 78(3):407–16, Sep 78
ANIMAL/ BINDING SITES/ CYTOSOL, metabolism/ *DEXAMETHASONE, metabolism/ *FISHES, metabolism/ GOLDFISH, metabolism/ *HYDROCORTISONE, metabolism/ IN VITRO/ *LIVER, metabolism/ PROTEIN BINDING/ SUBCELLULAR FRACTIONS, metabolism/ TROUT, metabolism

3119. **Portugalov VV:** Eshche raz o mekhanizmakh razvitiia gistologicheskikh i tsitokhimicheskikh izmeneniĭ u mlekopitaiushchikh (krys) v orbital'nykh poletakh. Arkh Anat Gistol Embriol 75(9):23–30, Sep 78 (74 ref.) (Eng. Abstr.) **(Rus)**
ANIMAL/ CENTRAL NERVOUS SYSTEM, metabolism/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/ LYMPHOID TISSUE, pathology/ MUSCLES, enzymology/ MUSCULAR ATROPHY, etiology/ NERVE TISSUE PROTEINS, metabolism/ OSTEOPOROSIS, etiology/ RATS/ RETINA, pathology/ REVIEW/ RNA, metabolism/ *SPACE FLIGHT/ VESTIBULAR APPARATUS, pathology/ WEIGHTLESSNESS, adverse effects

3120. **Portuondo JA, Matia JC, Echanojauregui AD, et al:** Criterios de selección para el tratamiento con HMG + HCG en pacientes estériles. Rev Esp Obstet Ginecol 37(238):354–61, Jul-Aug 78 **(Spa)**
CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ *GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ *MENOTROPINS, therapeutic use/ PREGNANCY/ *STERILITY, FEMALE, drug therapy

3121. **Portuondo JA, Echanojauregui AD, Uribarren A:** Alteraciones morfofuncionales del ovario después de la contracepción hormonal. Acta Ginecol (Madr) 33(3):39–47, 1 Sep 78 (Eng. Abstr.) **(Spa)**
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARY, cytology/ *OVARY, drug effects/ OVARY, physiology/ OVULATION, drug effects/ PREGNANCY

3122. **Posey WC, Nelson HS, Branch B, et al:** The effects of acute corticosteroid therapy for asthma on serum immunoglobulin levels. J Allergy Clin Immunol 62(6):340–8, Dec 78
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ *ASTHMA, drug therapy/ ASTHMA, immunology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ IGA, analysis/ IGE, analysis/ IGG, analysis/ IGM, analysis/ *IMMUNITY, drug effects/ *IMMUNOGLOBULINS/ IMMUNOGLOBULINS, analysis/ IMMUNOSUPPRESSION/ MALE/ MIDDLE AGE/ TIME FACTORS

3123. **Posner JB, Howieson J, Cvitkovic E:** 'Disappearing' spinal cord compression: oncolytic effect of glucocorticoids (and other chemotherapeutic agents) on epidural metastases. Ann Neurol 2(5):409–13, Nov 77
ADOLESCENCE/ ADULT/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ CASE REPORT/ *DEXAMETHASONE, therapeutic use/ DYSGERMINOMA, drug therapy/ EPIDURAL SPACE/ HUMAN/ MALE/ MYELOGRAPHY/ *NEOPLASM METASTASIS, drug therapy/ PREDNISONE, therapeutic use/ RADIOTHERAPY DOSAGE/ SARCOMA, EWING'S, drug therapy/ SARCOMA, RETICULUM CELL, drug therapy/ SHOULDER/ *SPINAL CORD COMPRESSION, drug therapy/ *SPINAL NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, drug therapy/ THYMOMA, drug therapy/ THYMUS NEOPLASMS, drug therapy

3124. **Postlethwait JH, Handler AM:** Nonvitellogenic female sterile mutants and the regulation of vitellogenesis in Drosophila melanogaster. Dev Biol 67(1):202–13, Nov 78
*DROSOPHILA MELANOGASTER, physiology/ FEMALE/ GENOTYPE/ GRAAFIAN FOLLICLE, drug effects/ GRAAFIAN FOLLICLE, physiology/ HUMAN/ IMMUNOELECTROPHORESIS/ JUVENILE HORMONES, pharmacodynamics/ *LIPOPROTEINS, biosynthesis/ MUTATION/ OVARY, physiology/ OVARY, transplantation/ SPECIES SPECIFICITY/ STERILITY, FEMALE/ TRANSPLANTATION, HOMOLOGOUS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITELLOGENIN, biosynthesis

3125. **Postnov IuV:** K razvitiiu predstavleniia o gipertonicheskoĭ bolezni kak patologii kletochnykh membran. Rol' narusheniia vnutrikletochnogo raspredeleniia kal'tsiia. Kardiologiia 18(11):15–22, Nov 78 **(Rus)**

ADIPOSE TISSUE, drug effects/ ANIMAL/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ BLOOD VESSELS, metabolism/ *CALCIUM METABOLISM DISORDERS, complications/ CALCIUM METABOLISM DISORDERS, metabolism/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY/ CELL MEMBRANE, metabolism/ CORTICOTROPIN, pharmacodynamics/ ERYTHROCYTE MEMBRANE, metabolism/ FREE RADICALS/ HUMAN/ *HYPERTENSION, etiology/ HYPERTENSION, metabolism/ KINETICS/ MUSCLE, SMOOTH, metabolism/ POTASSIUM, metabolism/ RATS/ SODIUM, metabolism

3126. **Potashnik G, Ben-Aderet N, Israeli R, et al:** Suppressive effect of 1,2-dibromo-3-chloropropane on human spermatogenesis. Fertil Steril 30(4):444-7, Oct 78
ADULT/ *ANTINEMATODAL AGENTS, adverse effects/ ENVIRONMENTAL EXPOSURE/ HUMAN/ *HYDROCARBONS, HALOGENATED, adverse effects/ MALE/ MIDDLE AGE/ OCCUPATIONAL DISEASES, chemically induced/ *OLIGOSPERMIA, chemically induced/ OLIGOSPERMIA, pathology/ *PROPANE, analogs & derivatives/ PROPANE, adverse effects/ *SPERMATOGENESIS, drug effects/ TESTIS, pathology

3127. **Potter DE, Barnett JW, Woodson LC:** Catecholamine-induced changes in plasma glucose, glucagon and insulin in rabbits: effects of somatostatin. Horm Metab Res 10(5):373-7, Sep 78
ANIMAL/ *BLOOD SUGAR, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *EPINEPHRINE, pharmacodynamics/ FASTING/ *GLUCAGON, blood/ *INSULIN, blood/ *ISOPROTERENOL, pharmacodynamics/ RABBITS/ *SOMATOTROPIN RELEASING HORMONE, pharmacodynamics

3128. **Potter DE, Genant HK, Salvatierra O:** Avascular necrosis of bone after renal transplantation. Am J Dis Child 132(11):1125-9, Nov 78
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FEMUR HEAD NECROSIS, etiology/ FEMUR HEAD NECROSIS, radiography/ FEMUR HEAD NECROSIS, therapy/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ *KIDNEY, transplantation/ MALE/ *OSTEONECROSIS, etiology/ OSTEONECROSIS, radiography/ OSTEONECROSIS, therapy/ *POSTOPERATIVE COMPLICATIONS/ POSTOPERATIVE COMPLICATIONS, therapy/ PREDNISONE, adverse effects/ TRANSPLANTATION, HOMOLOGOUS

3129. **Potter DM, McDonald WJ, Dunn PM, et al:** Chemical characteristics of a high molecular weight renin from the renal cortex of the dog. Circ Res 43(6):832-9, Dec 78
ANIMAL/ ANTIBODIES/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, ION EXCHANGE/ CONCANAVALIN A/ DIALYSIS/ DOGS/ ENZYME ACTIVATION/ HYDROGEN-ION CONCENTRATION/ *KIDNEY CORTEX, enzymology/ KINETICS/ MOLECULAR WEIGHT/ PROTEIN BINDING/ *RENIN, analysis/ RENIN, immunology/ RENIN, isolation & purification/ TRYPSIN/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3130. **Potts GO, Creange JE, Hardomg HR, et al:** Trilostane, an orally active inhibitor of steroid biosynthesis. Steroids 32(2):257-67, Sep 78
*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ALDOSTERONE, metabolism/ *ANDROSTANES, pharmacodynamics/ ANIMAL/ CORTICOSTERONE, metabolism/ FEMALE/ IN VITRO/ MALE/ MICROSOMES, drug effects/ MICROSOMES, metabolism/ NITRILES, pharmacodynamics/ ORGAN WEIGHT, drug effects/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ RATS/ 3-HYDROXYSTEROID DEHYDROGENASES, antagonists & inhibitors

3131. **Poulson AM Jr, Carter G:** Detection of ovulation by a method of change in finger-finger electropotential readings. Contraception 18(3):295-308, Sep 78
ADULT/ BIOPSY/ *BODY TEMPERATURE/ ELECTROPHYSIOLOGY/ *ENDOMETRIUM, cytology/ FEMALE/ HUMAN/ *OVULATION/ RHYTHM METHOD

3132. **Poupon RE, Dol ML, Dumont M, et al:** Evidence against a physiological role of cAMP in choleresis in dogs and rats. Biochem Pharmacol 27(20):2413-6, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL/ *BILE, physiology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOGS/ ERYTHRITOL, metabolism/ GLUCAGON, pharmacodynamics/ MALE/ RATS/ TIME FACTORS/ XANTHINES, pharmacodynamics

3133. **Pourquier H:** Adjuvant chemotherapy of breast cancer: is it a direct cytotoxic or has it an indirect hormone effect? Int J Radiat Oncol Biol Phys 4(9-10):917, Sep-Oct 78
*ANTINEOPLASTIC AGENTS, pharmacodynamics/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, physiopathology/ BREAST NEOPLASMS, therapy/ FEMALE/ HORMONES, physiology/ HUMAN

3134. **Powell E:** Iodine and acetone-containing plastic spray dressings [letter] Br Med J 2(6150):1500, 25 Nov 78
*ACETONE, adverse effects/ BLISTER, chemically induced/ DRUG INTERACTIONS/ ERYTHEMA, chemically induced/ HUMAN/ *IODINE, adverse effects/ *OCCLUSIVE DRESSINGS, adverse effects

3135. **Powell JG Jr, Cochrane RL:** The effects of the administration of fenoprofen or indomethacin to rat dams during late pregnancy, with special reference to the ductus arteriosus of the fetuses and neonates. Toxicol Appl Pharmacol 45(3):783-96, Sep 78
ANIMAL/ *ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ *DUCTUS ARTERIOSUS, drug effects/ DUCTUS ARTERIOSUS, pathology/ DUCTUS ARTERIOSUS, PATENT, chemically induced/ FEMALE/ *FENOPROFEN, toxicity/ *FETUS, drug effects/ FETUS, pathology/ *INDOMETHACIN, toxicity/ *PHENYLPROPIONATES, toxicity/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ PROGESTERONE, pharmacodynamics/ RATS/ TIME FACTORS

3136. **Powell-Tuck J, Bown RL, Lennard-Jones JE:** A comparison of oral prednisolone given as single or multiple daily doses for active preoctocolitis. Scand J Gastroenterol 13(7):833-7, 1978
ADMINISTRATION, ORAL/ ADULT/ CLINICAL RESEARCH/ *COLITIS, drug therapy/ COMPARATIVE STUDY/ DRUG EVALUATION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ *PROCTITIS, drug therapy

3137. **Powis G:** Hepatic microsomal metabolism of epinephrine and adrenochrome by superoxide-dependent and -independent pathways. Biochem Pharmacol 28(1):83-9, 1979
*ADRENOCHROME, metabolism/ ANIMAL/ ANTIMETABOLITES, pharmacodynamics/ *EPINEPHRINE, metabolism/ IN VITRO/ MALE/ *MICROSOMES, LIVER, metabolism/ NADP, metabolism/ OXIDATION-REDUCTION/ *OXYGEN, metabolism/ RATS/ *SUPEROXIDE, metabolism/ TIME FACTORS

3138. **Poyser NL:** Involvement of prostaglandins in the female reproductive cycle. Biochem Soc Trans 6(4):718-22, 1978 (41 ref.)
ANIMAL/ CASTRATION/ ESTRADIOL, blood/ FEMALE/ INDOMETHACIN, pharmacodynamics/ LH, blood/ *OVULATION/ OVULATION, drug effects/ PROGESTERONE, blood/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS, physiology/ *REPRODUCTION/ REPRODUCTION, drug effects/ REVIEW

3139. **Prader A:** Catch-up growth. Postgrad Med J 54 Suppl 1:133-46, 1978
AGE FACTORS/ ANIMAL/ BODY HEIGHT/ CHILD/ CHILD, PRESCHOOL/ CUSHING'S SYNDROME, physiopathology/ FEMALE/ *GROWTH DISORDERS, physiopathology/

*GROWTH/ HUMAN/ HYPOTHYROIDISM, physiopathology/ INFANT/ INFANT, NEWBORN/ INFANT, SMALL FOR GESTATIONAL AGE/ MALABSORPTION SYNDROMES, physiopathology/ MALE/ NUTRITION DISORDERS, physiopathology

3140. **Prader A, Zachmann M:** Treatment of excessively tall girls and boys with sex hormones. Pediatrics 62(6 Pt 2):1202–10, Dec 78
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ *BODY HEIGHT/ BODY WEIGHT/ CHILD/ *ESTROGENS, therapeutic use/ *ETHINYL ESTRADIOL, therapeutic use/ FEMALE/ HUMAN/ MALE/ MENSTRUATION/ *METHYLTESTOSTERONE, therapeutic use/ *NORETHINDRONE, therapeutic use/ SEX FACTORS/ TESTIS, physiology/ *TESTOSTERONE, therapeutic use

3141. **Pratt JH, Henry DP:** Pheochromocytoma: diagnosis and management. J Indiana State Med Assoc 71(11):1076–8, Nov 78
ADRENAL GLAND NEOPLASMS, complications/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, therapy/ HUMAN/ *HYPERTENSION, etiology/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, therapy

3142. **Pratt JH, Parkinson CA, Luft FC:** A new approach to the difficult assessment of aldosterone secretion in anephric patients. Steroids 32(4):487–98, Nov 78
ADOLESCENCE/ ADULT/ ALDOSTERONE, analogs & derivatives/ *ALDOSTERONE, blood/ CORTICOTROPIN, diagnostic use/ FEMALE/ GLUCURONATES, blood/ HEMODIALYSIS/ HUMAN/ MALE/ *NEPHRECTOMY/ POTASSIUM, blood/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3143. **Pratt JJ:** Steroid immunoassay in clinical chemistry. Clin Chem 24(11):1869–90, Nov 78 (266 ref.)
ANIMAL/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ CHEMISTRY, CLINICAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ HUMAN/ IMMUNOENZYME TECHNICS/ IODINE RADIOISOTOPES/ MATHEMATICS/ QUALITY CONTROL/ *RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ REVIEW/ *STEROIDS, analysis/ TRITIUM

3144. **Presl J:** Nově o mechanismu účinku klomifenu. Cesk Gynekol 43(9):717–8, Nov 78 **(Cze)**
ADOLESCENCE/ CHILD/ *CLOMIPHENE, pharmacodynamics/ FEMALE/ HUMAN/ LH, secretion/ PITUITARY GLAND, drug effects

3145. **Presl J:** Rozhodovací analýza v diagnostice a terapii ženské funkční sterility. Cesk Gynekol 43(9):679–702, Nov 78 **(Cze)**
AMENORRHEA, diagnosis/ ANOVULATION, diagnosis/ FEMALE/ HUMAN/ METHODS/ PROGESTERONE, diagnostic use/ *STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, therapy

3146. **Preslock JP, Steinberger E:** Testicular steroidogenesis in the baboon Papio anubis. Steroids 32(2):187–201, Sep 78
ANDROSTENEDIONE, metabolism/ ANIMAL/ DEHYDROEPIANDROSTERONE, metabolism/ HYDROXYPREGNENOLONE, metabolism/ HYDROXYPROGESTERONES, metabolism/ IN VITRO/ MALE/ MONKEYS/ PAPIO/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ *TESTIS, metabolism/ *TESTOSTERONE, biosynthesis/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3147. **Pribylova NN:** Ekskretsiia androgenov, soderzhanie kortikosteroidov v krovi i legochnaia gipertenziia pri nastuplenii remissii u bol'nykh s tiazhelym techeniem bronkhial'noi astmy. Ter Arkh 50(11):95–8, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ *ANDROGENS, urine/ *ASTHMA, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, PULMONARY, etiology/ MALE/ MIDDLE AGE/ PULMONARY CIRCULATION/ REMISSION/ *11-HYDROXYCORTICOSTEROIDS, blood/ *17-KETOSTEROIDS, blood

3148. **Price LA, Hill BT:** High-dose melphalan and cyclophosphamide pre-treatment [letter] Lancet 2(8103):1313–4, 16 Dec 78
*BREAST NEOPLASMS, drug therapy/ *CYCLOPHOSPHAMIDE, administration & dosage/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *MELPHALAN, administration & dosage/ *OVARIAN NEOPLASMS, drug therapy/ PREMEDICATION

3149. **Price MT, Olney JW, Mitchell MV, et al:** Luteinizing hormone releasing action of N-methyl aspartate is blocked by GABA or taurine but not by dopamine antagonists. Brain Res 158(2):461–5, 15 Dec 78
ANIMAL/ ASPARTIC ACID, antagonists & inhibitors/ *ASPARTIC ACID, pharmacodynamics/ *CHLORPROMAZINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GABA, pharmacodynamics/ HYPOTHALAMUS, MEDIAL, drug effects/ *LH, blood/ MALE/ *NEUROSECRETION, drug effects/ *PIMOZIDE, pharmacodynamics/ RATS/ *RECEPTORS, DOPAMINE, drug effects/ *TAURINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3150. **Price WH, Campbell WA:** Prolactin secretion in XYY males [letter] Lancet 2(8101):1209, 2 Dec 78
HUMAN/ MALE/ *PROLACTIN, blood/ *SEX CHROMOSOME ABNORMALITIES, blood/ *XYY KARYOTYPE, blood

3151. **Priest ND, Jackson S:** The uptake and redistribution of 241pu within the gonads. Int J Radiat Biol 34(1):49–65, Jul 78
ANIMAL/ AUTORADIOGRAPHY/ BINDING SITES/ FEMALE/ GRAAFIAN FOLLICLE, analysis/ HAMSTERS/ HISTOCYTOCHEMISTRY/ MALE/ OOCYTES, analysis/ *OVARY, metabolism/ *PLUTONIUM, metabolism/ RABBITS/ *TESTIS, metabolism/ TIME FACTORS/ ZONA PELLUCIDA, analysis

3152. **Priestley GC:** Effects of corticosteroids on the growth and metabolism of fibroblasts cultured from human skin. Br J Dermatol 99(3):253–61, Sep 78
BETAMETHASONE 17-VALERATE, pharmacodynamics/ BETAMETHASONE, analogs & derivatives/ BETAMETHASONE, pharmacodynamics/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CLOBETASOL, analogs & derivatives/ CLOBETASOL, pharmacodynamics/ COLLAGEN, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FIBROBLASTS, cytology/ FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ MUCOPOLYSACCHARIDES, secretion/ PROTEINS, biosynthesis/ SKIN, cytology/ *SKIN, drug effects/ SKIN, metabolism/ *11-HYDROXYCORTICOSTEROIDS, SYNTHETIC, pharmacodynamics

3153. **Prinz H, Houcken KH, Kleinkauf A, et al:** Zur Struma-Epidemiologie anhand einer ambulanten Patientenklientel. MMW 120(47):1565–6, 24 Nov 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ EPIDEMIOLOGIC METHODS/ GERMANY, WEST/ *GOITER, ENDEMIC, occurrence/ HUMAN/ STATISTICS

3154. **Prior J, White I:** Tetany and clubbing in patient who ingested large quantities of senna [letter] Lancet 2(8096):947, 28 Oct 78
ADULT/ CASE REPORT/ CONSTIPATION, drug therapy/ FEMALE/ HUMAN/ *OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, chemically induced/ SENNA, administration & dosage/ *SENNA, adverse effects/ *TETANY, chemically induced/ *TOES

3155. **Prior J, White I:** Addisonian syndrome associated with treosulfan [letter] Lancet 2(8101):1207–8, 2 Dec 78
*ADDISON'S DISEASE, chemically induced/ *BUSULFAN, analogs & derivatives/ BUSULFAN, adverse effects/ CASE REPORT/ CYSTADENOCARCINOMA, drug therapy/

FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy

3156. **Prior PF, Maynard DE, Brierley JB:** E.E.G. monitoring for the control of anaesthesia produced by the infusion of althesin in primates. Br J Anaesth 50(10):993–1001, Oct 78
*ALTHESIN, administration & dosage/ *ANESTHESIA, INTRAVENOUS, methods/ ANESTHESIA, INTRAVENOUS, standards/ ANIMAL/ *ELECTROENCEPHALOGRAPHY/ MONITORING, PHYSIOLOGIC/ MONKEYS/ PAPIO/ *PREGNANEDIONES, administration & dosage/ RHESUS MONKEYS/ TIME FACTORS

3157. **Proença NG, de Moraes Neto MP, de Próspero JD:** Azoospermia resultante do pênfigo foliáceo sul-americano. A propósito do estudo de um doente.
Rev Inst Med Trop Sao Paulo 20(5):307–11, Sep–Oct 78 (Eng. Abstr.) **(Por)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FSH, blood/ HUMAN/ LH, blood/ MALE/ *OLIGOSPERMIA, etiology/ *PEMPHIGUS, complications/ SPERMATOGENESIS/ TESTIS, pathology/ TESTOSTERONE, blood

3158. **Prokhorov AF, Isupov IuI:** Sluchaĭ smerti ot strongiloidoza na fone naznacheniia kortikosteroidov. Med Parazitol (Mosk) 47(6):103–4, Nov–Dec 78 **(Rus)**
*ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ *DEATH/ FEMALE/ HUMAN/ MIDDLE AGE/ PEMPHIGUS, drug therapy/ PREDNISOLONE, adverse effects/ *STRONGYLOIDIASIS, pathology/ TIME FACTORS

3159. **Promisloff R, Oaks WW:** Therapy for cardiogenic shock. Compr Ther 4(11):49–56, Nov 78
ADRENAL CORTEX HORMONES, therapeutic use/ CENTRAL VENOUS PRESSURE/ DIGITALIS GLYCOSIDES, therapeutic use/ DIURETICS, therapeutic use/ HEART CATHETERIZATION/ HEMODYNAMICS/ HUMAN/ MYOCARDIAL INFARCTION, complications/ MYOCARDIAL INFARCTION, surgery/ SHOCK, CARDIOGENIC, diagnosis/ *SHOCK, CARDIOGENIC, drug therapy/ SHOCK, CARDIOGENIC, etiology/ SHOCK, CARDIOGENIC, mortality/ SYMPATHOMIMETICS, therapeutic use/ VASODILATOR AGENTS, therapeutic use

3160. **Promyslov MSh, Levchenko LI, Spryshkova NA, et al:** O vliianii serotonina na vyzhivaemost' krys s privitoĭ mul'tiformnoĭ glioblastomoĭ. Zh Vopr Neirokhir (5):40–3, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *ANTINEOPLASTIC AGENTS/ *CEREBELLAR NEOPLASMS, drug therapy/ CEREBELLAR NEOPLASMS, urine/ ENGLISH ABSTRACT/ FEMALE/ *GLIOBLASTOMA MULTIFORME, drug therapy/ GLIOBLASTOMA MULTIFORME, urine/ HYDROXYINDOLEACETIC ACID, urine/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL/ RATS/ *SEROTONIN, therapeutic use

3161. **Proshin VV, Zaĭchik VE, Kalashnikov VM, et al:** Makroélementy opukholeĭ kosteĭ. Vopr Onkol 24(10):55–8, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ BONE AND BONES, metabolism/ *BONE NEOPLASMS, metabolism/ CALCIUM, metabolism/ CHILD/ CHLORINE, metabolism/ CHONDROMA, metabolism/ CHONDROSARCOMA, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ GIANT CELL TUMORS, metabolism/ HUMAN/ MAGNESIUM, metabolism/ MIDDLE AGE/ OSTEOMA, OSTEOID, metabolism/ PHOSPHORUS, metabolism/ SARCOMA, OSTEOGENIC, metabolism/ SARCOMA, RETICULUM CELL, metabolism/ SODIUM, metabolism

3162. **Prosser PR, Wilson CB, Forsham PH:** Intrasellar cysticercosis presenting as a pituitary tumor: successful transsphenoidal cystectomy with preservation of pituitary function.
Am J Trop Med Hyg 27(5):976–8, Sep 78
ADULT/ CASE REPORT/ *CYSTICERCOSIS, radiography/ CYSTICERCOSIS, surgery/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ PITUITARY GLAND, physiology/ *PITUITARY NEOPLASMS, radiography/ PNEUMOENCEPHALOGRAPHY/ *SELLA TURCICA/ SELLA TURCICA, surgery/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3163. **Protich M, Stanislavov R, Visheva N, et al:** Prolaktin v eiakulati ot sterilni i zdravi muzhe. Akush Ginekol (Sofiia) 17(5):326–8, 1978 (Eng. Abstr.) **(Bul)**
COMPARATIVE STUDY/ *EJACULATION/ ENGLISH ABSTRACT/ *HEALTH/ HUMAN/ MALE/ OLIGOSPERMIA, metabolism/ *PROLACTIN, analysis/ *SEMEN, analysis/ *SPERMATOZOA, analysis/ *STERILITY, MALE, metabolism

3164. **Proye C:** Expérience de cent cervicotomies pour hyperparathyroïdie. Corrélations anatomo-cliniques.
Ann Chir 32(5–6):265–71, May–Jun 78 (Eng. Abstr.) **(Fre)**
AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, pathology/ HYPERPARATHYROIDISM, surgery/ HYPOCALCEMIA, etiology/ INFANT/ MALE/ MIDDLE AGE/ NECK, surgery/ PARATHYROID GLANDS, pathology/ PARATHYROID GLANDS, surgery/ POSTOPERATIVE COMPLICATIONS/ RETROSPECTIVE STUDIES

3165. **Pruchová J, Vrána M, Sladký K:** Studies of local reactivity to B. pertussis suspensions by means of the rat paw oedema. J Hyg Epidemiol Microbiol Immunol (Praha) 22(1):47–52, 1978
ANIMAL/ CZECHOSLOVAKIA/ EDEMA/ FEMALE/ HINDLIMB/ HYDROCORTISONE, pharmacodynamics/ *HYPERSENSITIVITY, IMMEDIATE/ MALE/ *PERTUSSIS VACCINE, immunology/ PERTUSSIS VACCINE, standards/ RATS/ SEASONS

3166. **Pruszczyński W:** Urinary excretion of cyclic adenosine 3'–5' monophosphate in central diabetes insipidus patients treated with certain antidiuretic drugs. Endokrynol Pol 29(6):517–25, Nov–Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ *CHLORPROPAMIDE, pharmacodynamics/ CHLORPROPAMIDE, therapeutic use/ *CLOFIBRATE, pharmacodynamics/ CLOFIBRATE, therapeutic use/ COMPARATIVE STUDY/ *DIABETES INSIPIDUS, drug therapy/ *DIETHYLCARBAMAZINE, pharmacodynamics/ DIETHYLCARBAMAZINE, therapeutic use/ HUMAN

3167. **Przybyłowski J, Zych F, Podolecki A:** Wpływ przewlekłego doświadczalnego zatruwania benzyną i etyliną na układ przysadkowo-nadnerczowy. Endokrynol Pol 29(5):399–406, Sep–Oct 78 (Eng. Abstr.) **(Pol)**
ADRENAL GLANDS, anatomy & histology/ ANIMAL/ BENZENE, poisoning/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ *ETHYLENES, poisoning/ ORGAN WEIGHT/ *PETROLEUM, poisoning/ *PITUITARY-ADRENAL SYSTEM, drug effects/ RABBITS

3168. **Przybylska T:** Przypadek moczówki prostej hiperchloremicznej utajonej. Pediatr Pol 53(9):1125–7, 1978 **(Pol)**
ANOREXIA/ CASE REPORT/ *CHLORINE, blood/ DIABETES INSIPIDUS, blood/ *DIABETES INSIPIDUS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ INFANT/ MALE/ SODIUM, blood

3169. **Pshenichnikova TIa, Sokolova ZP, Persianinov LS, et al:** Znachenie opredeleniia prolaktina i gonadotropnykh gormonov v diagnostike razlichnykh form éndokrinnogo besplodiia. Akush Ginekol (Mosk) (10):13–8, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ AMENORRHEA, diagnosis/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ *GONADOTROPINS, PITUITARY, blood/ HUMAN/ MENSTRUATION DISORDERS, diagnosis/ *PROLACTIN, blood/ *STERILITY, FEMALE, diagnosis/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

3170. **Psychoyos S:** H1- and H2-histamine receptors linked to adenylate cyclase in cell-free preparations of guinea pig cerebral cortex. Life Sci 23(21):2155–62, 20 Nov 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ CELL-FREE SYSTEM/ GUINEA PIGS/ HIPPOCAMPUS, drug effects/ HIPPOCAMPUS,

metabolism/ IN VITRO/ MALE/ RECEPTORS, HISTAMINE H1, drug effects/ *RECEPTORS, HISTAMINE H1, physiology/ RECEPTORS, HISTAMINE H2, drug effects/ *RECEPTORS, HISTAMINE H2, physiology/ *RECEPTORS, HISTAMINE, physiology

3171. **Pukhovskaia AD:** Primenenie metatsila v kompleksnom lechenii parodontoza. Stomatologiia (Mosk) 57(6):81–2, Nov–Dec 78 **(Rus)**
ADULT/ CLINICAL RESEARCH/ DRUG COMBINATIONS/ DRUG EVALUATION/ FEMALE/ HUMAN/ MALE/ *METHYLTHIOURACIL, therapeutic use/ MIDDLE AGE/ *PERIODONTAL DISEASES, drug therapy/ TAMPONS

3172. **Pullan PT, Burger HG, Johnston CI:** Pharmacokinetics of 1-desamino-8-D-arginine vasopressin (DDAVP) in patients with central diabetes insipidus. Clin Endocrinol (Oxf) 9(3):273–8, Sep 78
ADULT/ AGED/ *ARGIPRESSIN, metabolism/ DESMOPRESSIN, blood/ *DESMOPRESSIN, metabolism/ *DIABETES INSIPIDUS, metabolism/ FEMALE/ HALF-LIFE/ HUMAN/ KINETICS/ MALE/ METABOLIC CLEARANCE RATE

3173. **Pulsinelli WA, Hamill RW:** Chorea complicating oral contraceptive therapy. Case report and review of the literature. Am J Med 65(3):557–9, Sep 78
ADOLESCENCE/ ADULT/ *CHOREA, chemically induced/ CHOREA, drug therapy/ *CONTRACEPTIVES, ORAL, adverse effects/ CONTRACEPTIVES, ORAL, COMBINED/ *CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ DIPHENHYDRAMINE, therapeutic use/ *ETHYNODIOL DIACETATE, adverse effects/ FEMALE/ HUMAN/ *MESTRANOL, adverse effects

3174. **Puppi A, Kazachenko VN:** Influence of the extracellular and intracellular redox state on ionic fluxes through the membranes of D-type nerve cells of Lymnea stagnalis. Comp Biochem Physiol [C] 61C(1):7–14, 1978
ANIMAL/ *CALCIUM, metabolism/ ELECTRIC CONDUCTIVITY/ ION CHANNELS, drug effects/ ION CHANNELS, metabolism/ *LYMNAEA, metabolism/ LYMNAEA, physiology/ MATHEMATICS/ MEMBRANE POTENTIALS, drug effects/ NEURONS, drug effects/ *NEURONS, metabolism/ NEURONS, physiology/ *OXIDATION-REDUCTION/ RECEPTORS, CHOLINERGIC, drug effects/ RECEPTORS, CHOLINERGIC, metabolism/ *SODIUM, metabolism

3175. **Puri SK, Choma P, Volicer L:** Cyclic nucleotide levels in the rat striatum and cerebellum--in vivo effects of dopamine and acetylcholine receptor agonists and antagonists. Biochem Pharmacol 27(19):2333–6, 1978
ACETYLCHOLINE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ *CEREBELLUM, metabolism/ *CORPUS STRIATUM, metabolism/ DEXETIMIDE, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HALOPERIDOL, pharmacodynamics/ MALE/ PILOCARPINE, pharmacodynamics/ RATS/ *RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, DOPAMINE, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3176. **Purnell DM, Stowers DJ:** Mammary gland hyperplastic alveolar noduligenesis in the LEW/Mai rat in relation to mitotic activity, estrous cycle status, and age. J Natl Cancer Inst 61(5):1339–46, Nov 78
AGE FACTORS/ ANIMAL/ *ESTRUS/ FEMALE/ HYPERPLASIA/ MAMMAE, pathology/ *MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MITOSIS/ ORGAN WEIGHT/ PITUITARY GLAND, pathology/ *PRECANCEROUS CONDITIONS, etiology/ PRECANCEROUS CONDITIONS, pathology/ RATS/ RATS, INBRED LEW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINAL SMEARS

3177. **Purpora D, Ahern MJ, Silverman N:** Toxic epidermal necrolysis after mithramycin [letter] N Engl J Med 299(25):1412, 21 Dec 78
ADULT/ CASE REPORT/ *EPIDERMAL NECROLYSIS, TOXIC, etiology/ HUMAN/ MALE/ *MITHRAMYCIN, adverse effects/ TERATOID TUMOR, drug therapy/ TESTICULAR NEOPLASMS, drug therapy

3178. **Puschett JB:** Renal tubular effects of parathyroid hormone: an update. Clin Orthop (135):249–59, Sep 78 (68 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ BICARBONATES, metabolism/ BODY FLUIDS, physiology/ CALCIUM, physiology/ DOGS/ GLOMERULAR FILTRATION RATE/ HYDROGEN-ION CONCENTRATION/ *KIDNEY TUBULES, physiology/ KIDNEY, blood supply/ PARATHYROID HORMONE, pharmacodynamics/ *PARATHYROID HORMONE, physiology/ PHOSPHATES, physiology/ RABBITS/ RATS/ REVIEW/ SODIUM, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3179. **Puschett JB, Szramowski J:** Importance of 25-hydroxylation to the renal tubular actions of vitamin D metabolites. Adv Exp Med Biol 103:105–9, 1978
ANIMAL/ CALCIUM, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DOGS/ GLOMERULAR FILTRATION RATE, drug effects/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ KIDNEY TUBULES, drug effects/ *KIDNEY TUBULES, metabolism/ KIDNEY, blood supply/ PHOSPHATES, metabolism/ REGIONAL BLOOD FLOW, drug effects/ SODIUM, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS

3180. **Puschett JB, Sylk D, Teredesai PR:** Uncoupling of proximal sodium bicarbonate from sodium phosphate transport by bumetanide. Am J Physiol 235(5):F403–8, Nov 78
ANIMAL/ *BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT, drug effects/ *BUMETANIDE, pharmacodynamics/ *DIURETICS, SULFAMYL, pharmacodynamics/ DOGS/ FEMALE/ HEMODYNAMICS/ *KIDNEY TUBULES, PROXIMAL, metabolism/ KIDNEY, physiology/ NATRIURESIS/ PARATHYROID GLANDS, physiology/ *PHOSPHATES, metabolism/ *SODIUM, metabolism/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3181. **Putkey JA, Wecksler WR, Norman AW:** The interaction of 1,25-dihydroxyvitamin D3 with its intestinal mucosa receptor: kinetic parameters and structural requirements. Lipids 13(10):723–9, Oct 78
ANIMAL/ CALCIUM, metabolism/ CELL FRACTIONATION/ CHICKENS/ CHROMATIN, metabolism/ CYTOSOL, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, metabolism/ *HYDROXYCHOLECALCIFEROLS, metabolism/ *INTESTINAL MUCOSA, metabolism/ KINETICS/ MODELS, BIOLOGICAL/ PROTEIN BINDING/ RECEPTORS, DRUG, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP

3182. **Pyörnilä A, Hissa R, Jeronen E:** The influence of high ambient temperature on thermoregulatory response to intrahypothalamic injections of noradrenaline and serotonin in the pigeon. Pfluegers Arch 377(1):51–5, 18 Oct 78
ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ BODY TEMPERATURE, drug effects/ HEART RATE, drug effects/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ *NOREPINEPHRINE, pharmacodynamics/ PIGEONS/ RESPIRATION, drug effects/ *SEROTONIN, pharmacodynamics/ TEMPERATURE

Q

3183. **Quagliarello JR, Passalaqua AM, Greco MA, et al:** Ballantyne's triple edema syndrome: prenatal diagnosis with ultrasound and maternal renal biopsy findings. Am J Obstet Gynecol 132(5):580–1, 1 Nov 78
ADULT/ BIOPSY/ CASE REPORT/ *EDEMA, diagnosis/ FEMALE/ *FETAL DISEASES, diagnosis/ HUMAN/ KIDNEY, pathology/ *PLACENTA DISORDERS, diagnosis/ PREGNANCY/ *PRENATAL DIAGNOSIS/ ULTRASONICS, diagnostic use

3184. **Quastel JH:** Cerebral glutamate-glutamine interrelations in vivo and in vitro. pp. 153-62.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.
AMMONIA, metabolism/ ANIMAL/ ASPARTIC ACID, metabolism/ BRAIN, drug effects/ *BRAIN, metabolism/ CALCIUM, metabolism/ CATS/ CEREBRAL CORTEX, metabolism/ GLUCOSE, metabolism/ *GLUTAMATES, metabolism/ *GLUTAMINE, metabolism/ GABA, metabolism/ MONOGRAPH/ NEUROGLIA, metabolism/ NEURONS, metabolism/ RATS/ SODIUM, metabolism

3185. **Quay WB:** Quantitative morphology and environmental responses of the pineal gland in the collared lemming (Dicrostonyx groenlandicus). Am J Anat 153(4):545-61, Dec 78
ANIMAL/ CELL NUCLEOLUS, ultrastructure/ CELL NUCLEUS, ultrastructure/ *ENVIRONMENT/ LIGHTING/ MANITOBA/ *PINEAL BODY, cytology/ PINEAL BODY, ultrastructure/ *RODENTS, anatomy & histology/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3186. **Queener SF, Fleming JW, Bell NH:** Analysis of sodium fluoride enhancement of calcitonin stimulation of renal cortical adenylate cyclase. J Biol Chem 253(24):9033-40, 25 Dec 78
*ADENYL CYCLASE, metabolism/ ADRENAL CORTEX, drug effects/ *ADRENAL CORTEX, enzymology/ ANIMAL/ *CALCITONIN, pharmacodynamics/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION/ *FLUORIDES, pharmacodynamics/ GLUCAGON, pharmacodynamics/ KINETICS/ PARATHYROID HORMONE, pharmacodynamics/ SOLUBILITY/ SWINE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3187. **Quennedey MC, Martin N, Raval G, et al:** Intracellular cAMP level oscillations in synchronous cultures of an Actinomycete. Naturwissenschaften 65(10):538-9, Oct 78
*ACTINOMYCES, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ KINETICS/ TIME FACTORS

3188. **Quijada S, Soza X, Croxatto HB:** Fertility inhibition by intraoviductal copper beads in rabbits. Contraception 17(6):553-62, Jun 78
ANIMAL/ *COPPER/ CORPUS LUTEUM/ FEMALE/ *FERTILITY/ MALE/ NIDATION/ *OVIDUCTS/ OVULATION/ OVUM/ PREGNANCY/ RABBITS/ SILVER

3189. **Quik M, Iversen LL, Bloom SR:** Effect of vasoactive intestinal peptide (VIP) and other peptides on cAMP accumulation in rat brain. Biochem Pharmacol 27(18):2209-13, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ CALCIUM, metabolism/ FLUPENTHIXOL, pharmacodynamics/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ MALE/ *PEPTIDES, pharmacodynamics/ RATS/ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

3190. **Quirk SJ, Ahkong QF, Botham GM, et al:** Membrane proteins in human erythrocytes during cell fusion induced by oleoylglycerol. Biochem J 176(1):159-67, 15 Oct 78
CALCIUM, metabolism/ *CELL FUSION, drug effects/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ERYTHROCYTE MEMBRANE, drug effects/ ERYTHROCYTE MEMBRANE, metabolism/ ERYTHROCYTE MEMBRANE, ultrastructure/ *GLYCERIDES, pharmacodynamics/ HUMAN/ IN VITRO/ KINETICS/ MEMBRANE LIPIDS, metabolism/ *MEMBRANE PROTEINS, metabolism/ MICROSCOPY, ELECTRON/ PROTEASE INHIBITORS, pharmacodynamics

R

3191. **Rabinowitz D, Benveniste R, Linder J, et al:** Isolated follicle-stimulating hormone deficiency revisited. Ovulation and conception in presence of circulating antibody to follicle-stimulating hormone. N Engl J Med 300(3):126-8, 18 Jan 79
ADULT/ AMENORRHEA, drug therapy/ *ANTIBODIES, analysis/ CASE REPORT/ FEMALE/ FSH, blood/ *FSH, deficiency/ FSH, immunology/ HUMAN/ MENOTROPINS, therapeutic use/ *OVULATION/ *PREGNANCY/ STERILITY, FEMALE, drug therapy/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3192. **Radeva V:** Effects of the nerve-growth factor (NGF) on certain non-neuronal elements. Agressologie 19(2):99-103, 1978
ANIMAL/ *CELL DIFFERENTIATION/ CELL DIFFERENTIATION, drug effects/ *MUSCLES, embryology/ NERVE GROWTH FACTOR, pharmacodynamics/ *NERVE GROWTH FACTOR, physiology/ *NERVOUS SYSTEM, embryology/ TISSUE CULTURE/ TRITURUS, embryology

3193. **Radford HM, Nancarrow CD, Findlay JK:** Effect of anaesthesia on ovarian follicular development and ovulation in the sheep subsequent to prostaglandin-induced luteolysis. J Endocrinol 78(3):321-7, Sep 78
*ANESTHESIA/ ANIMAL/ CLOPROSTENOL, pharmacodynamics/ COMPARATIVE STUDY/ CORPUS LUTEUM REGRESSION, drug effects/ ESTRUS SYNCHRONIZATION/ ESTRUS, drug effects/ FEMALE/ GRAAFIAN FOLLICLE, drug effects/ *OVULATION, drug effects/ PENTOBARBITAL, pharmacodynamics/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ *SHEEP, physiology

3194. **Radford HM, Nancarrow CD, Mattner PE:** Ovarian function in suckling and non-suckling beef cows post partum. J Reprod Fertil 54(1):49-56, Sep 78
ANIMAL/ BLOOD SUGAR, analysis/ BODY WEIGHT/ *CATTLE, physiology/ CLOPROSTENOL, diagnostic use/ ESTRADIOL, diagnostic use/ ESTRUS/ FEMALE/ *LACTATION/ LH, blood/ *OVARY, physiology/ OVULATION/ PREGNANCY/ PROGESTERONE, blood/ PROLACTIN, blood

3195. **Radwanska E, Frankenberg J, Allen EI:** Plasma progesterone levels in normal and abnormal early human pregnancy. Fertil Steril 30(4):398-402, Oct 78
ABORTION, MISSED, blood/ ABORTION, THREATENED, blood/ FEMALE/ HUMAN/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY TRIMESTER, FIRST/ *PREGNANCY/ PREGNANCY, ECTOPIC, blood/ *PROGESTERONE, blood

3196. **Raekallio J, Mäkinen PL:** Biochemical reconstruction of three cases of death--results of international cooperation. Forensic Sci 12(1):25-32, Jul-Aug 78
ADULT/ AUTOPSY/ CASE REPORT/ FEMALE/ FINLAND/ *FORENSIC MEDICINE/ *HISTAMINE, metabolism/ HOMICIDE/ HUMAN/ INTERNATIONAL COOPERATION/ MALE/ POSTMORTEM CHANGES/ *SEROTONIN, metabolism/ SUICIDE/ TIME FACTORS/ *WOUNDS AND INJURIES, metabolism

3197. **Raeside DE, Anderson DW, Galloway DC:** A study of the dose to the thyroid and the eye in computed tomography of the brain. Radiology 129(3):814-5, Dec 78
*EYE, radiation effects/ HUMAN/ RADIATION DOSAGE/ THERMOLUMINESCENT DOSIMETRY/ *THYROID GLAND, radiation effects/ *TOMOGRAPHY, COMPUTERIZED AXIAL

3198. **Rafaelsen OJ, Mellerup ET:** Circadian rhythms in depressive disorders. pp. 409-17.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
BODY TEMPERATURE, drug effects/ CALCIUM, blood/ *CIRCADIAN RHYTHM/ CIRCADIAN RHYTHM, drug effects/ *DEPRESSION, physiopathology/ *EMOTIONS, physiology/ HUMAN/ HYDROCORTISONE, secretion/ LITHIUM, pharmacodynamics/ MAGNESIUM, blood/ MONOGRAPH/ PHOSPHATES, blood/ PSYCHOSES, INVOLUTIONAL, physiopathology/ PSYCHOSES, MANIC-DEPRESSIVE, physiopathology/ REACTION TIME/ REMISSION/

SALIVATION/ TIME FACTORS

3199. **Rager K, Arnold E, Hauschild A, et al:** Effect of bilateral cryptorchidism on the in vitro transformation of progesterone by testicular tissue at different stages of sexual maturation. J Steroid Biochem 6(11-12):1537-41, Nov-Dec 75
AGING/ ANDROGENS, biosynthesis/ ANIMAL/ *CRYPTORCHISM, metabolism/ KINETICS/ MALE/ *PROGESTERONE, metabolism/ RATS/ *SEX MATURATION/ TESTIS, growth & development/ *TESTIS, metabolism

3200. **Rajfer J, Walsh PC:** Testicular descent. Birth Defects 13(2):107-22, 1977 (52 ref.)
ANDROGENS, physiology/ CRYPTORCHISM, embryology/ GESTATIONAL AGE/ GONADOTROPINS, physiology/ HUMAN/ MALE/ MORPHOGENESIS/ REVIEW/ *TESTIS, embryology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3201. **Rajfer J, Coffey DS:** Sex steroid imprinting of the immature prostate. Long-term effects. Invest Urol 16(3):186-90, Nov 78
AGE FACTORS/ ANIMAL/ *ANIMALS, NEWBORN, physiology/ ESTRADIOL, administration & dosage/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ PREGNANCY/ PROSTATE, drug effects/ PROSTATE, growth & development/ *PROSTATE, physiology/ PUBERTY/ RATS/ *SEX HORMONES, physiology/ *SEX MATURATION/ SEX MATURATION, drug effects/ STANOLONE, pharmacodynamics/ TESTOSTERONE, blood/ TESTOSTERONE, pharmacodynamics

3202. **Rajfer J, Coffey DS, Walsh PC:** Effects of hormones in the newborn period on the development of the penis. Surg Forum 28:570-3, 1977
*ANDROGENS, pharmacodynamics/ ANDROGENS, physiology/ ANIMAL/ ANIMALS, NEWBORN/ CASTRATION/ ESTRADIOL, pharmacodynamics/ MALE/ *PENIS, growth & development/ PENIS, physiology/ RATS/ STANOLONE, pharmacodynamics/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3203. **Rakoczy A, Zaleska T, Jakubowski W, et al:** Badania ultradźwiękowe w diagnostyce różnicowej guza jamy brzusznej. Pol Przegl Radiol 42(3):237-40, May-Jun 78 (Eng. Abstr.) **(Pol)**
*ABDOMINAL NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ *PHEOCHROMOCYTOMA, diagnosis/ *ULTRASONICS, diagnostic use

3204. **Ralambofiringa A:** ote sur les manifestations du cycle oestral et sur la reproduction des femelles N'Dama. Rev Elev Med Vet Pays Trop 31(1):91-4, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ *CATTLE, physiology/ ENGLISH ABSTRACT/ *ESTRUS/ FEMALE/ PREGNANCY/ *REPRODUCTION

3205. **Rális Z:** Experimental production of local osteomalacia. Experientia 34(9):1203-4, 15 Sep 78
ANIMAL/ *DISEASE MODELS, ANIMAL/ FEMALE/ HUMAN/ MIDDLE AGE/ OSTEOMALACIA, pathology/ *OSTEOMALACIA, physiopathology/ OSTEONECROSIS, pathology/ OSTEONECROSIS, physiopathology/ RABBITS

3206. **Rall HJ, Soto Ferreira G, Janssens KY:** Effect of medroxyprogesterone acetate contraception on cytoplasmic estrogen receptor content of the human cervix uteri. Int J Fertil 23(1):51-6, 1978
ADULT/ *CERVIX UTERI, metabolism/ COMPARATIVE STUDY/ CYTOPLASM, metabolism/ FEMALE/ HUMAN/ HYSTERECTOMY/ MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, blood/ *MEDROXYPROGESTERONE, pharmacodynamics/ MIDDLE AGE/ PARITY/ PREGNANCY/ *RECEPTORS, ESTROGEN, metabolism/ TIME FACTORS

3207. **Ramaley JA:** The adrenal rhythm and puberty onset in the female rat. Life Sci 23(21):2079-87, 20 Nov 78 (37 ref.)
*ADRENAL GLANDS, physiology/ AGING/ ANIMAL/ *BIOLOGICAL CLOCKS/ CIRCADIAN RHYTHM/ CORTICOSTERONE, administration & dosage/ CORTICOSTERONE, blood/ CORTICOSTERONE, pharmacodynamics/ FEMALE/ LIGHT/ OVULATION/ PROLACTIN, blood/ RATS/ REVIEW/ *SEX MATURATION/ SEX MATURATION, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3208. **Rambar AC, MacKenzie RG:** Urolithiasis in adolescents. Am J Dis Child 132(11):1117-20, Nov 78
ADOLESCENCE/ ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ BLADDER EXSTROPHY, complications/ BLADDER, NEUROGENIC, complications/ CHILD/ FEMALE/ HUMAN/ KIDNEY CALCULI, etiology/ KIDNEY, transplantation/ MALE/ POSTOPERATIVE COMPLICATIONS/ RETROSPECTIVE STUDIES/ TRANSPLANTATION, HOMOLOGOUS/ *URINARY CALCULI/ URINARY CALCULI, etiology

3209. **Ramos-Niembro F, Alarcón-Segovia D, Hernández-Ortíz J:** Articular manifestations of mixed connective tissue disease. Arthritis Rheum 22(1):43-51, Jan 79
ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ARTHRITIS, RHEUMATOID, diagnosis/ AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, therapeutic use/ CHILD/ FEMALE/ HUMAN/ JOINT DISEASES, drug therapy/ *JOINT DISEASES, etiology/ JOINT DISEASES, radiography/ MALE/ MIDDLE AGE/ *MIXED CONNECTIVE TISSUE DISEASE, diagnosis/ MIXED CONNECTIVE TISSUE DISEASE, drug therapy/ MIXED CONNECTIVE TISSUE DISEASE, radiography/ MUSCULAR DISEASES, diagnosis/ MUSCULAR DISEASES, drug therapy/ MUSCULAR DISEASES, radiography/ RAYNAUD'S DISEASE/ RHEUMATOID FACTOR, analysis/ SCLERODERMA, SYSTEMIC, diagnosis/ SCLERODERMA, SYSTEMIC, drug therapy/ SCLERODERMA, SYSTEMIC, radiography/ SYNOVITIS, diagnosis/ SYNOVITIS, drug therapy/ SYNOVITIS, etiology

3210. **Ramp WK, McNeil RW:** Selective stimulation of net calcium efflux from chick embryo tibiae by parathyroid hormone in vitro. Calcif Tissue Res 25(3):227-32, 18 Aug 78
ANIMAL/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CHICK EMBRYO/ LACTATES, metabolism/ ORGAN CULTURE/ *PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3211. **Ramsay DJ:** Beta-adrenergic thirst and its relation to the renin-angiotensin system. Fed Proc 37(13):2689-93, Nov 78
ANIMAL/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRINKING, drug effects/ INJECTIONS, INTRAVENTRICULAR/ ISOPROTERENOL, administration & dosage/ *ISOPROTERENOL, pharmacodynamics/ RENIN, blood/ SARALASIN, pharmacodynamics/ *THIRST, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, blood

3212. **Ramzy I, Geraghty R, Lefcoe MS, et al:** Chronic eosinophilic pneumonia. Diagnosis by fine needle aspiration. Acta Cytol (Baltimore) 22(5):366-9, Sep-Oct 78
ADULT/ *BIOPSY, NEEDLE/ CASE REPORT/ CHRONIC DISEASE/ CYTODIAGNOSIS/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *LOEFFLER'S SYNDROME, diagnosis/ LOEFFLER'S SYNDROME, drug therapy/ LOEFFLER'S SYNDROME, radiography/ MALE/ PREDNISONE, therapeutic use

3213. **Rani CS, Moudgal NR:** Examination of the role of follicle stimulating hormone in estrogen biosynthesis in vivo and in vitro in the ovary of the cyclic hamster. Steroids 32(4):435-51, Nov 78
ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ DIESTRUS/ ESTRADIOL, biosynthesis/ ESTRADIOL, blood/ FEMALE/ *FSH, physiology/ HAMSTERS/ IMMUNE SERUMS/ *LH, physiology/

OVARY, metabolism/ *OVARY, physiology/ PROESTRUS/ TESTOSTERONE, metabolism

3214. **Ransohoff J, Lieberman A:** Surgical therapy of primary malignant brain tumors. Clin Neurosurg 25:403–11, 1978
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ BRAIN NEOPLASMS, radiography/ *BRAIN NEOPLASMS, surgery/ CARMUSTINE, therapeutic use/ FEMALE/ *GLIOMA, surgery/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL, therapy/ POSTOPERATIVE COMPLICATIONS, etiology/ RADIOTHERAPY DOSAGE/ TOMOGRAPHY, COMPUTERIZED AXIAL

3215. **Rao CV, Sanfilippo J, Carman FR Jr:** Gonadotropin receptors in human corpora lutea of term pregnancies. Am J Obstet Gynecol 132(5):581–3, 1 Nov 78
*CORPUS LUTEUM, ultrastructure/ FEMALE/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ MENSTRUATION/ PREGNANCY TRIMESTER, SECOND/ *PREGNANCY/ *RECEPTORS, HORMONE/ RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3216. **Rao GH, Gerrard JM, Eaton JW, et al:** The role of iron in prostaglandin synthesis: ferrous iron mediated oxidation of arachidonic acid. Prostaglandins Med 1(1):55–70, Jul 78
ANTIMETABOLITES, pharmacodynamics/ *ARACHIDONIC ACIDS, metabolism/ BENZOFURANS, metabolism/ FATTY ACIDS, metabolism/ FERROUS COMPOUNDS, metabolism/ *FERROUS COMPOUNDS, pharmacodynamics/ *IRON, pharmacodynamics/ *IRON, physiology/ OXIDATION-REDUCTION, drug effects/ OXYGEN, physiology/ *PROSTAGLANDINS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3217. **Rao SR, Arora P:** Insect sex chromosomes: Part I--Differential response to 5-bromodeoxyuridine of the two X chromosomes in females of the mole cricket Gryllotalpa fossor (Scudder). Indian J Exp Biol 16(8): 870–2, Aug 78
ANIMAL/ *BROMODEOXYURIDINE, pharmacodynamics/ FEMALE/ *ORTHOPTERA, genetics/ *SEX CHROMOSOMES, drug effects/ *X CHROMOSOME, drug effects

3218. **Rapoport B, Adams RJ:** Bioassay of TSH using dog thyroid cells in monolayer culture. Metabolism 27(12):1732–42, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL ASSAY/ CELLS, CULTURED/ COMPARATIVE STUDY/ DOGS/ HUMAN/ KINETICS/ RADIOIMMUNOASSAY, methods/ *THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ *THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3219. **Rapp JP, Tan SY, Margolius HS:** Plasma mineralocorticoids, plasma renin, and urinary kallikrein in salt-sensitive and salt-resistant rats. Endocr Res Commun 5(1):35–41, 1978
ALDOSTERONE, blood/ ANIMAL/ BLOOD PRESSURE/ BODY WEIGHT/ CORTICOSTERONE, blood/ DESOXYCORTICOSTERONE, blood/ DRUG RESISTANCE/ HYPERTENSION, blood/ HYPERTENSION, familial & genetic/ *KALLIKREIN, urine/ MALE/ *MINERALOCORTICOIDS, blood/ RATS/ *RENIN, blood/ SODIUM CHLORIDE, pharmacodynamics/ *SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE/ 18-HYDROXYDESOXYCORTICOSTERONE, blood

3220. **Rappaport R, Prevot C, Czernichow P:** Somathormone et activité somatomédine plasmatique au cours des amaigrissements graves de l'anorexie mentale chez l'enfant. Ann Endocrinol (Paris) 39(3):259–60, 1978 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ *ANOREXIA NERVOSA, physiopathology/ BODY WEIGHT/ CHILD/ EMACIATION, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ *SOMATOMEDIN, blood/ *SOMATOTROPIN, secretion

3221. **Rappay G:** Phasenkontrast-Mikrokinematographie: eine vorteilhafte Methode in der Hand des Zytochemikers. Untersuchungen an kultivierten Hypophysenzellen. Acta Histochem [Suppl] (Jena) 15:373–7, 1975 **(Ger)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL MOVEMENT, drug effects/ CELLS, CULTURED/ COLCHICINE, pharmacodynamics/ CULTURE MEDIA/ CYTOCHALASIN B, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ *MICROSCOPY, PHASE CONTRAST/ MOTION PICTURES/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics

3222. **Raskin P, Stevenson MR, Barilla DE, et al:** The hypercalciuria of diabetes mellitus: its amelioration with insulin. Clin Endocrinol (Oxf) 9(4):329–35, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ BLOOD SUGAR, analysis/ *CALCIUM, urine/ DIABETES MELLITUS, drug therapy/ *DIABETES MELLITUS, urine/ FEMALE/ GLYCOSURIA, metabolism/ HUMAN/ *INSULIN, therapeutic use/ MALE/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3223. **Rasmussen CR, Gardocki JF, Plampin JN, et al:** 2-Pyrrolidinylideneureas, a new class of central nervous system agents. J Med Chem 21(10):1044–54, Oct 78
ANIMAL/ ANTICONVULSANTS, chemical synthesis/ *CENTRAL NERVOUS SYSTEM AGENTS, chemical synthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPNOTICS AND SEDATIVES, chemical synthesis/ LETHAL DOSE 50/ MICE/ MUSCLE RELAXANTS, CENTRAL, chemical synthesis/ PYRROLIDINES, chemical synthesis/ PYRROLIDINES, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ THIOUREA, analogs & derivatives/ THIOUREA, chemical synthesis/ THIOUREA, pharmacodynamics/ TRANQUILIZING AGENTS, MINOR, chemical synthesis/ *UREA, analogs & derivatives/ UREA, chemical synthesis/ UREA, pharmacodynamics

3224. **Rasmussen JE:** Sutton's summer prurigo of the elbows. Acta Derm Venereol (Stockh) 58(6):547–9, 1978
ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ ELBOW/ FEMALE/ HUMAN/ MALE/ *PRURIGO/ PRURIGO, drug therapy/ RECURRENCE/ SEASONS/ SUNLIGHT/ SYNDROME

3225. **Rasmusson B:** Magnesium and phosphate in the serum of patients with medullary carcinoma of the thyroid. Clin Chim Acta 89(2):279–83, 16 Oct 78
CALCITONIN, blood/ HUMAN/ *MAGNESIUM, blood/ PARATHYROID HORMONE, blood/ *PHOSPHATES, blood/ *THYROID NEOPLASMS, blood

3226. **Rasmusson B, Roesdahl K, Lindgreen P:** Parathyroid hormone and calcitonin in serum of patients with mammary carcinoma. Acta Radiol [Ther] (Stockh) 17(4):269–76, 1978
ADULT/ AGED/ BONE NEOPLASMS, blood/ *BREAST NEOPLASMS, blood/ *CALCITONIN, blood/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ *PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY

3227. **Rass TI, Buniatian AF, Kornev BM, et al:** Tirozin, 11-oksikortikosteroidy i kortizol v krovi bol'nykh bronkhial'noĭ astmoĭ. Ter Arkh 50(11):98–101, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ AGED/ *ASTHMA, blood/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYDROCORTISONE, deficiency/ MALE/ MIDDLE AGE/ *TYROSINE, blood/ *11-HYDROXYCORTICOSTEROIDS, blood/ 11-HYDROXYCORTICOSTEROIDS, deficiency

3228. **Rassin DK, Sturman JA, Gualt GE:** Taurine and other free amino acids in milk of man and other mammals. Early Hum Dev 2(1):1–13, Apr 78
ALANINE, analysis/ *AMINO ACIDS, analysis/ ANIMAL/ BRAIN, growth & development/ CATS/ CATTLE/ DOGS/ ETHANOLAMINES, analysis/ GLUTAMATES, analysis/ GLUTAMINE, analysis/ GLYCINE, analysis/ HUMAN/ INFANT NUTRITION/ INFANT/ INFANT, NEWBORN/

LACTATION/ *MAMMALS/ MICE/ *MILK, analysis/ *MILK, HUMAN, analysis/ MONKEYS/ RATS/ SPECIES SPECIFICITY/ *TAURINE, analysis/ TAURINE, physiology

3229. **Rastogi RB, Lapierre YD, Singhal RL:** Synaptosomal uptake of norepinephrine and 5-hydroxytryptamine and synthesis of catecholamines during benzodiazepine treatment. Can J Physiol Pharmacol 56(5):777–84, Oct 78
ANIMAL/ *BENZODIAZEPINE TRANQUILIZERS, pharmacodynamics/ BRAIN, drug effects/ *BRAIN, metabolism/ CATECHOLAMINES, biosynthesis/ *CATECHOLAMINES, metabolism/ DIAZEPAM, pharmacodynamics/ HOMOVANILLIC ACID, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ METHOXYHYDROXYPHENYLGLYCOL, metabolism/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ *SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRYPTOPHAN, metabolism

3230. **Rastogi RB, Lapierre YD, Singhal RL:** Some neurochemical correlates of 'rebound' phenomenon observed during withdrawal after long-term exposure to 1, 4-benzodiazepines. Prog Neuropsychopharmacol 2(1):43–54, 1978
ANIMAL/ *BENZODIAZEPINE TRANQUILIZERS, pharmacodynamics/ BRAIN CHEMISTRY, drug effects/ *BRAIN, drug effects/ BRAIN, metabolism/ *BROMAZEPAM, pharmacodynamics/ *DIAZEPAM, pharmacodynamics/ DOPAMINE, metabolism/ *DRUG WITHDRAWAL SYMPTOMS, physiopathology/ HOMOVANILLIC ACID, analysis/ MALE/ METHOXYHYDROXYPHENYLGLYCOL, analysis/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ 3,4-DIHYDROXYPHENYLACETIC ACID, analysis

3231. **Rasweiler JJ 4th:** Unilateral oviductal and uterine reactions in the little bulldog bat, Noctilio albiventris. Biol Reprod 19(3):467–92, Oct 78
ANIMAL/ *CHIROPTERA, anatomy & histology/ CHIROPTERA, physiology/ *FALLOPIAN TUBES, anatomy & histology/ FALLOPIAN TUBES, physiology/ GLYCOGEN, metabolism/ LATERALITY/ MALE/ OVARY, physiology/ PREGNANCY/ *REPRODUCTION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, anatomy & histology/ UTERUS, physiology

3232. **Rattner BA, Michael SD, Brinkley HJ:** Plasma gonadotropins, prolactin and progesterone at the time of implantation in the mouse: effects of hypoxia and restricted dietary intake. Biol Reprod 19(3):558–65, Oct 78
ANIMAL/ *ANOXIA, blood/ COMPARATIVE STUDY/ *FASTING/ FEMALE/ *FSH, blood/ *LH, blood/ MICE/ *NIDATION/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY/ *PROGESTERONE, blood/ PROGESTERONE, therapeutic use/ *PROLACTIN, blood/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3233. **Rawe SE, Perot PL Jr:** Pressor response resulting from experimental contusion injury to the spinal cord. J Neurosurg 50(1):58–63, Jan 79
ADRENALECTOMY/ ANIMAL/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ CATS/ *CONTUSIONS, physiopathology/ ISOPROTERENOL, pharmacodynamics/ METARAMINOL, pharmacodynamics/ METHYLTYROSINES, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ RESERPINE, pharmacodynamics/ SPINAL CORD INJURIES, etiology/ *SPINAL CORD INJURIES, physiopathology/ SPINAL CORD, surgery/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3234. **Rawlings NC, Ward WR:** Correlations of maternal and fetal endocrine events with uterine pressure changes around parturition in the ewe. J Reprod Fertil 54(1):1–8, Sep 78
ANIMAL/ *ESTROGENS, blood/ FEMALE/ *FETAL BLOOD, analysis/ GLUCOCORTICOIDS, blood/ *LABOR/ PREGNANCY/ PRESSURE/ PROGESTERONE, blood/ PROSTAGLANDINS F, blood/ SHEEP, blood/ SHEEP, embryology/ *SHEEP, physiology/ UTERINE CONTRACTION/ *UTERUS, physiology

3235. **Rawlings NC, Pant HC, Ward WR:** The effect of passive immunization against oestrogens on the onset of parturition in the ewe. J Reprod Fertil 54(2):363–7, Nov 78
ANIMAL/ ESTRADIOL, immunology/ *ESTROGENS, blood/ FEMALE/ IMMUNE SERUMS, pharmacodynamics/ *LABOR/ PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, immunology/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS E, immunology/ SHEEP, blood/ *SHEEP, physiology

3236. **Raymond JP:** Testostérone et sexualité au cours des insuffisances antéhypophysaires. Probl Actuels Endocrinol Nutr (21):83–5, 1977 **(Fre)**
FEMALE/ FRIGIDITY, etiology/ HUMAN/ *HYPOPITUITARISM, complications/ IMPOTENCE, etiology/ MALE/ SEX BEHAVIOR, physiology/ *SEX DISORDERS, etiology/ *TESTOSTERONE, deficiency

3237. **Raynaud JP:** Receptors in breast cancer: an introduction. Ann NY Acad Sci 286:87–9, 11 Mar 77
*BREAST NEOPLASMS, metabolism/ FEMALE/ HUMAN/ *NEOPLASMS, HORMONE-DEPENDENT, metabolism/ RECEPTORS, ANDROGEN/ RECEPTORS, ESTROGEN/ *RECEPTORS, HORMONE/ RECEPTORS, PROGESTERONE/ RESEARCH DESIGN

3238. **Raziuddin M, Khan TR, Singh SB:** Studies on the neuroendocrine system of the grasshopper, Poecilocerus pictus (Fabr.) II. the Corpora cardiaca. Folia Morphol (Praha) 26(4):332–7, 1978
ANIMAL/ *ENDOCRINE GLANDS, anatomy & histology/ *GRASSHOPPERS, anatomy & histology/ *NERVOUS SYSTEM, anatomy & histology

3239. **Razumov SA, Gal'pern IL, Korovin KF:** Petushinye boi kak model' émotsional'nogo stressa. Fiziol Zh SSSR 64(10):1372–81, Oct 78 (Eng. Abstr.) **(Rus)**
*AGGRESSION/ *AGONISTIC BEHAVIOR/ ANIMAL/ *CHICKENS/ *DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ EPINEPHRINE, blood/ HEART RATE/ MALE/ NOREPINEPHRINE, blood/ SEX BEHAVIOR, ANIMAL, physiology/ *STRESS, PSYCHOLOGICAL/ STRESS, PSYCHOLOGICAL, physiopathology/ 11-HYDROXYCORTICOSTEROIDS, blood

3240. **Redding TW, Kastin AJ, Nikolics K, et al:** Disapearance and excretion of labeled alpha-MSH in man. Pharmacol Biochem Behav 9(2):207–12, Aug 78
HUMAN/ MALE/ *MSH, metabolism/ MSH, urine/ TIME FACTORS

3241. **Redmond O, Tuffery AR:** Mitotic rate of the rat's thyroid gland during hypertrophy induced by an antithyroid agent (carbimazole). J Anat 127(2):353–62, Oct 78
ANIMAL/ BODY WEIGHT/ *CARBIMAZOLE, pharmacodynamics/ FEMALE/ *HYPERTROPHY, chemically induced/ *MITOSIS/ MITOSIS, drug effects/ OXYGEN CONSUMPTION, drug effects/ RATS/ THYROID GLAND, metabolism/ *THYROID GLAND, pathology

3242. **Reeve TS:** Endocrinology and the surgeon [editorial] Aust NZ J Surg 48(3):235–6, Jun 78
*ENDOCRINE DISEASES, surgery/ HUMAN/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, surgery/ POSTOPERATIVE COMPLICATIONS

3243. **Refsum H:** Kalsiumionets mulige rolle i patogenesen ved hjertearytmier. Tidsskr Nor Laegeforen 98(30):1511–3, 30 Oct 78 (Eng. Abstr.) **(Nor)**
ACTION POTENTIALS/ ANIMAL/ *ARRHYTHMIA, etiology/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ HEART CONDUCTION SYSTEM, metabolism/ HUMAN/ IONS/ *MYOCARDIUM, metabolism

3244. **Rehncrona S, Siesjö BK, Westerberg E:** Adenosine and cyclic AMP in cerebral cortex of rats in hypoxia, status epilepticus and hypercapnia. Acta Physiol Scand 104(4):453–63, Dec 78
ADENINE NUCLEOTIDES, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE, metabolism/ ANIMAL/

*ANOXIA, metabolism/ *CEREBRAL CORTEX, metabolism/ CEREBRAL ISCHEMIA, metabolism/ *CONVULSIONS, metabolism/ *HYPERCAPNIA, metabolism/ MALE/ PARTIAL PRESSURE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3245. **Reichman JH, Kerr LP, Whitaker LA:** Rib grafting in facial reconstruction: an experimental approach. Surg Forum 28:535–6, 1977
ANIMAL/ *BONE AND BONES, transplantation/ CALCIFICATION, PHYSIOLOGIC/ *FACE, surgery/ RABBITS/ *RIBS/ *SURGERY, PLASTIC/ TRANSPLANTATION, AUTOLOGOUS/ WOUND HEALING

3246. **Reidy MA, Bowyer DE:** Scanning electron-microscope studies of the endothelium of aortic allografts in the rabbit: effect of azathioprine, prednisolone and promethazine on early cellular invasion. J Pathol 124(1):1–5, Jan 78
ANIMAL/ *AORTA, transplantation/ AORTA, ultrastructure/ *AZATHIOPRINE, pharmacodynamics/ *CELL MOVEMENT, drug effects/ CELL NUMBER/ *ENDOTHELIUM, drug effects/ ENDOTHELIUM, ultrastructure/ LEUKOCYTES, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ *PREDNISOLONE, pharmacodynamics/ *PROMETHAZINE, pharmacodynamics/ RABBITS/ TRANSPLANTATION, ALLOGENEIC

3247. **Reimann F, Berker F, Gökmen E, et al:** Das Verhalten der Sella turcica bei jugendlichen Patienten mit schwerer Eisenmangelkrankheit. ROEFO 129(5):598–604, Nov 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ *ANEMIA, HYPOCHROMIC, physiopathology/ CHILD/ *DEFICIENCY DISEASES, complications/ DEFICIENCY DISEASES, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ GROWTH DISORDERS, drug therapy/ GROWTH DISORDERS, etiology/ HUMAN/ IRON, deficiency/ IRON, therapeutic use/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, anatomy & histology/ SELLA TURCICA, anatomy & histology/ *SELLA TURCICA, physiopathology/ SELLA TURCICA, radiography

3248. **Reimer RR, Hoover R, Fraumeni JF Jr, et al:** Second primary neoplasms following ovarian cancer. J Natl Cancer Inst 61(5):1195–7, Nov 78
ALKYLATING AGENTS, adverse effects/ BLADDER NEOPLASMS, occurrence/ BREAST NEOPLASMS, occurrence/ COLONIC NEOPLASMS, occurrence/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ LEUKEMIA, occurrence/ LYMPHOMA, occurrence/ MIDDLE AGE/ NEOPLASMS, MULTIPLE PRIMARY, etiology/ *NEOPLASMS, MULTIPLE PRIMARY, occurrence/ NEOPLASMS, RADIATION-INDUCED, etiology/ *OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, therapy/ RISK/ UNITED STATES/ UTERINE NEOPLASMS, occurrence

3249. **Reimers TJ, Phemister RD, Niswender GD:** Radioimmunological measurement of follicle stimulating hormone and prolactin in the dog. Biol Reprod 19(3):673–9, Oct 78
ANIMAL/ COMPARATIVE STUDY/ DOGS/ ESTRADIOL, blood/ ESTRUS/ FEMALE/ *FSH, blood/ LACTATION/ LH, blood/ MALE/ PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PREGNANCY/ PROESTRUS/ PROGESTERONE, blood/ *PROLACTIN, blood/ PSEUDOPREGNANCY/ *RADIOIMMUNOASSAY/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ 2-BROMOERGOCRYPTINE, pharmacodynamics

3250. **Reinharz AC, Pavel S, Vallotton MB:** Evidence for in vitro release of neurophysin by the rat pineal gland. Experientia 34(9):1232–3, 15 Sep 78
ANIMAL/ CELLS, CULTURED/ *NEUROPHYSINS, metabolism/ *PINEAL BODY, metabolism/ RADIOIMMUNOASSAY/ RATS

3251. **Reinwein D:** Jod-induzierte Hyperthyreose. Dtsch Med Wochenschr 103(44):1730, 3 Nov 78 **(Ger)**
CEREBRAL ANGIOGRAPHY/ CHOLECYSTOGRAPHY/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, chemically induced/ *IODINE, adverse effects/ MIDDLE AGE

3252. **Remfry J:** Control of feral cat populations by long-term administration of megestrol acetate. Vet Rec 103(18):403–4, 28 Oct 78
ANIMAL/ *CATS, physiology/ FEMALE/ *MEGESTROL, pharmacodynamics/ *POPULATION CONTROL/ PREGNANCY/ UTERUS, drug effects

3253. **Renckens BA, Schrijen JJ, Swarts HG, et al:** Role of calcium in exocrine pancreatic secretion. IV. Calcium movements in isolated acinar cells of rabbit pancreas. Biochim Biophys Acta 544(2):338–50, 1 Dec 78
AMYLASES, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CARBACHOL, pharmacodynamics/ FEMALE/ KINETICS/ LACTATE DEHYDROGENASE, metabolism/ MALE/ PANCREAS, cytology/ PANCREAS, drug effects/ *PANCREAS, metabolism/ RABBITS

3254. **Rendu F, Breton-Gorius J, Trugnan G, et al:** Studies on a new variant of the Hermansky-Pudlak syndrome: qualitative, ultrasturctural, and functional abnormalities of the platelet-dense bodies associated with a phospholipase A defect. Am J Hematol 4(4):387–99, 1978
ADULT/ ARACHIDONIC ACIDS, metabolism/ *BLOOD PLATELET DISORDERS, blood/ *BLOOD PLATELETS, ultrastructure/ CASE REPORT/ FEMALE/ HUMAN/ MEGAKARYOCYTES, ultrastructure/ *PHOSPHOLIPASE, deficiency/ RESERPINE, pharmacodynamics/ SEROTONIN ANTAGONISTS/ SEROTONIN, metabolism/ SYNDROME/ *VARIATION (GENETICS)

3255. **Rengo F, Trimarco B, Sacca L, et al:** Release of prostaglandin-like material by depressor stimulation in rabbits. J Pharm Pharmacol 30(11):726–7, Nov 78
ANIMAL/ *BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ ELECTRIC STIMULATION/ MALE/ *NERVOUS SYSTEM, physiology/ PROSTAGLANDINS B, blood/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ PROSTAGLANDINS, blood/ *PROSTAGLANDINS, metabolism/ RABBITS/ TIME FACTORS

3256. **Renshaw DC:** Sex and drugs. S Afr Med J 54(8):322–6, 19 Aug 78
ALCOHOL, ETHYL, pharmacodynamics/ AMPHETAMINE, pharmacodynamics/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ APHRODISIACS, pharmacodynamics/ CANNABIS/ COCAINE, pharmacodynamics/ CYPROTERONE, pharmacodynamics/ HALLUCINOGENS, pharmacodynamics/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ HORMONES, pharmacodynamics/ HUMAN/ HYPNOTICS AND SEDATIVES, pharmacodynamics/ LEVODOPA, pharmacodynamics/ LITHIUM, pharmacodynamics/ PARASYMPATHOLYTICS, pharmacodynamics/ *SEX BEHAVIOR, drug effects/ TRANQUILIZING AGENTS, pharmacodynamics

3257. **Reny A, Bretagne MC, Friot JM, et al:** Osteite orbitaire de l'enfant. Bull Soc Ophtalmol Fr 77(11–12):953–5, Nov–Dec 77 (Eng. Abstr.) **(Fre)**
CASE REPORT/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ EXOPHTHALMOS, radiography/ *FOREIGN BODY REACTION, complications/ FOREIGN BODY REACTION, radiography/ HUMAN/ MALE/ NASAL CAVITY/ *ORBIT/ ORBIT, radiography/ *OSTEITIS, etiology/ OSTEITIS, radiography/ OSTEOLYSIS, radiography

3258. **Requena J:** Effect of magnesium on calcium efflux in dialyzed squid axon. Biochim Biophys Acta 512(2):452–8, 22 Sep 78
ADENOSINE TRIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ AXONS, drug effects/ *AXONS, metabolism/ BIOLOGICAL TRANSPORT, drug effects/ *CALCIUM, metabolism/ KINETICS/ *MAGNESIUM, pharmacodynamics/ SQUID

3259. **Requena J:** Calcium efflux from squid axons under constant sodium electrochemical gradient. J Gen Physiol 72(4):443–70, Oct 78

ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ *AXONS, metabolism/ *CALCIUM, metabolism/ ELECTROCHEMISTRY/ *SODIUM, pharmacodynamics/ *SQUID, metabolism/ TIME FACTORS

3260. **Rether B, Belarbi A, Beck G:** Translation of tyrosine aminotransferase mRNA from hepatoma cells in a wheat germ cell-free system. FEBS Lett 93(2):194–5, 15 Sep 78
CELL LINE/ CELL-FREE SYSTEM/ CYTOSOL, metabolism/ DEXAMETHASONE, pharmacodynamics/ *HEPATOMA, EXPERIMENTAL, metabolism/ KINETICS/ POLYRIBOSOMES, metabolism/ SOLUBILITY/ SPERMINE, pharmacodynamics/ *TRANSLATION, GENETIC/ TRANSLATION, GENETIC, drug effects/ *TYROSINE AMINOTRANSFERASE, genetics/ WHEAT

3261. **Reti LL, Rome RM Jr, Brown JB, et al:** Urinary oestrogen and pregnanediol excretion, endometrial and ovarian pathology and body weight in women with postmenopausal bleeding. Br J Obstet Gynaecol 85(11):857–61, Nov 78
AGED/ BODY WEIGHT/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, pathology/ *ESTROGENS, urine/ FEMALE/ HORMONES, pharmacodynamics/ HUMAN/ *MENOPAUSE/ MIDDLE AGE/ *OVARY, pathology/ *PREGNANEDIOL, urine/ UTERINE HEMORRHAGE, pathology/ *UTERINE HEMORRHAGE, urine/ UTERINE NEOPLASMS, pathology/ UTERINE NEOPLASMS, urine

3262. **Reubi JC, Emson PC, Jessell TM, et al:** Effects of GABA, dopamine, and substance P on the release of newly synthesized 3H-5-hydroxytryptamine from rat substantia nigra in vitro. Naunyn Schmiedebergs Arch Pharmacol 304(3):271–5, 16 Oct 78
ANIMAL/ DOPAMINE, metabolism/ *DOPAMINE, pharmacodynamics/ *GABA, pharmacodynamics/ IN VITRO/ MALE/ POTASSIUM, pharmacodynamics/ RATS/ *SEROTONIN, metabolism/ *SUBSTANCE P, pharmacodynamics/ SUBSTANTIA NIGRA, drug effects/ *SUBSTANTIA NIGRA, metabolism/ TIME FACTORS

3263. **Reuter AM, Ketelslegers JM, Hendrick JC, et al:** Radioimmunoassay of protein hormones: principles and methodology. Horm Res 9(6):404–21, 1978
ANTIBODY FORMATION/ ANTIGENS/ CROSS REACTIONS/ FEMALE/ *FSH, blood/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ IMMUNOSORBENT TECHNICS/ *LH, blood/ PREGNANCY/ *PROLACTIN, blood/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ *THYROTROPIN, blood

3264. **Rexroad CE, Barb CR:** Contractile response of the uterus of the estrous ewe to adrenergic stimulation. Biol Reprod 19(2):297–305, Sep 78
*ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ *ESTRUS/ FEMALE/ *ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ *UTERINE CONTRACTION, drug effects

3265. **Rexroad CE Jr:** Cycloheximide blockage of estradiol-17beta-induced contractions in ovariectomized ewes. Biol Reprod 19(3):648–52, Oct 78
ANIMAL/ CASTRATION/ *CYCLOHEXIMIDE, pharmacodynamics/ *ESTRADIOL, pharmacodynamics/ FEMALE/ NOREPINEPHRINE, metabolism/ PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS F, metabolism/ SHEEP/ *UTERINE CONTRACTION, drug effects/ UTERUS, drug effects/ UTERUS, physiology

3266. **Reyes HM, Wright JK, Rosenfield RL:** Prevention of hypocalcemia in children due to parathyroid infarction after thyroidectomy. Surg Gynecol Obstet 148(1):76–8, Jan 79
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERTHYROIDISM, surgery/ *HYPOCALCEMIA, etiology/ HYPOCALCEMIA, prevention & control/ HYPOPARATHYROIDISM, etiology/ *INFARCTION, etiology/ MALE/ *PARATHYROID GLANDS, blood supply/ *THYROIDECTOMY, adverse effects/ THYROIDECTOMY, methods

3267. **Reznik BIa, Nikitina AI:** Klinichni aspekty terapiï limfoblastnoho leïkozu u ditei. Pediatr Akush Ginekol (5):5–7, Sep–Oct 78 **(Ukr)**
CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, COMBINATION/ FEMALE/ HEMORRHAGE, drug therapy/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MALE/ MERCAPTOPURINE, therapeutic use/ PREDNISOLONE, therapeutic use/ REMISSION/ SYNDROME/ TIME FACTORS/ VINCRISTINE, therapeutic use

3268. **Rhinelander FW:** Reply to 'Acute effects of periosteal stripping and medullary reaming on regional bone blood flow' [letter] Clin Orthop (135):308–9, Sep 78
ANIMAL/ *BONE AND BONES, blood supply/ DOGS/ *FRACTURE FIXATION, INTRAMEDULLARY/ *PERIOSTEUM, surgery/ RABBITS/ REGIONAL BLOOD FLOW

3269. **Ribustini G, Carbone D:** Tumore del timo in una ragazza di 13 anni. Considerazioni anatomo-cliniche. Minerva Med 69(49):3407–12, 17 Oct 78 **(Ita)**
ADOLESCENCE/ CASE REPORT/ FEMALE/ HUMAN/ *THYMOMA/ *THYMUS NEOPLASMS

3270. **Richards JF:** Ornithine decarboxylase activity in lymphoid tissues of rats: effects of glucocorticoids. Life Sci 23(15):1619–23, 16 Oct 78
ANIMAL/ *CARBOXY-LYASES, metabolism/ CORTISONE, metabolism/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ *GLUCOCORTICOIDS, pharmacodynamics/ LYMPHOID TISSUE, drug effects/ *LYMPHOID TISSUE, enzymology/ *ORNITHINE DECARBOXYLASE, metabolism/ RATS/ TIME FACTORS

3271. **Richards JG:** Cytochemistry and autoradiography in the search for transmitter-specific neuronal pathways. pp. 1–14. In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.
ANIMAL/ AUTORADIOGRAPHY/ BIOGENIC AMINES, analysis/ BRAIN CHEMISTRY/ CHROMAFFIN GRANULES, analysis/ HISTOCYTOCHEMISTRY/ HUMAN/ MONOGRAPH/ NEURAL PATHWAYS, analysis/ *NEUROHUMORS, analysis/ NEURONS, analysis/ NUCLEOTIDES, analysis/ PERIPHERAL NERVES, analysis/ RESERPINE, analysis

3272. **Richards JS, Farookhi R:** Gonadotrophins and ovarian-follicular growth. Clin Obstet Gynaecol 5(2):363–73, Aug 78 (48 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ AMENORRHEA, etiology/ ANIMAL/ CELL DIFFERENTIATION/ CELL SURVIVAL/ DIABETES MELLITUS, blood/ ESTROGENS, physiology/ ESTRUS/ FEMALE/ FSH, physiology/ GONADOTROPINS, blood/ *GONADOTROPINS, physiology/ GONADOTROPINS, secretion/ *GRAAFIAN FOLLICLE, growth & development/ GRANULOSA CELLS, growth & development/ LH, physiology/ *OVARY, physiology/ RATS/ RECEPTORS, HORMONE, physiology/ REVIEW/ THECA CELLS, growth & development

3273. **Richards KL, Douglas SD:** Pathophysiological effects of Vibrio cholerae and enterotoxigenic Escherichia coli and their exotoxins on eucaryotic cells. Microbiol Rev 42(3):592–613, Sep 78 (218 ref.)
ADENYL CYCLASE, metabolism/ ANIMAL/ ANTIGENIC DETERMINANTS/ BACTERIAL TOXINS, immunology/ *BACTERIAL TOXINS, toxicity/ BACTERIAL VACCINES/ CELLS, CULTURED, drug effects/ CHOLERA, immunology/ CHOLERA, microbiology/ ENTEROTOXINS, immunology/ ENTEROTOXINS, toxicity/ ERYTHROCYTE MEMBRANE, enzymology/ ESCHERICHIA COLI INFECTIONS, immunology/ ESCHERICHIA COLI INFECTIONS, microbiology/ ESCHERICHIA COLI, immunology/ *ESCHERICHIA COLI, pathogenicity/ EXOTOXINS, immunology/ EXOTOXINS, toxicity/ HUMAN/ REVIEW/ VIBRIO CHOLERAE, immunology/ *VIBRIO CHOLERAE, pathogenicity

3274. **Richards W, Platzker A, Church JA, et al:** Steroid-dependent asthma treated with inhaled beclomethasone dipropionate in children. Ann Allergy 41(5):274–7, Nov 78
ADOLESCENCE/ *ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ *ASTHMA, drug therapy/ *BECLOMETHASONE, therapeutic use/ CHILD/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ MALE

3275. **Richards WL, Kilker RD, Serif GS:** Metabolite control of L-fucose utilization. J Biol Chem 253(23):8359–61, 10 Dec 78
ANIMAL/ DOGS/ *FUCOSE, metabolism/ KINETICS/ NUCLEOSIDE DIPHOSPHATE SUGARS, pharmacodynamics/ *PHOSPHOTRANSFERASES, ATP, metabolism/ SWINE/ *THYROID GLAND, enzymology

3276. **Richelson E, Prendergast FG, Divinetz-Romero S:** Muscarinic receptor-mediated cyclic GMP formation by cultured nerve cells—ionic dependence and effects of local anesthetics. Biochem Pharmacol 27(16):2039–48, 1978
*ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ CARBACHOL, pharmacodynamics/ CELLS, CULTURED/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ IONS, pharmacodynamics/ MICE/ NEURONS, drug effects/ *NEURONS, metabolism/ *RECEPTORS, CHOLINERGIC, physiology/ RECEPTORS, MUSCARINIC, drug effects/ *RECEPTORS, MUSCARINIC, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3277. **Ricken D, Flenker I:** Therapie des systemischen Lupus erythematodes und des Pseudo-LE-Syndroms. Dtsch Med Wochenschr 103(46):1821–3, 17 Nov 78 **(Ger)**
AGED/ AZATHIOPRINE, therapeutic use/ CHLOROQUINE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INDOMETHACIN, therapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PHENYLBUTAZONE, therapeutic use/ PREDNISONE, therapeutic use/ SALICYLATES, therapeutic use/ SEX FACTORS/ SYNDROME

3278. **Ricotta JJ, Schaff HV, Williams GM, et al:** Renal artery stenosis following transplantation: etiology, diagnosis, and prevention. Surgery 84(5):595–602, Nov 78
ADOLESCENCE/ AUSCULTATION/ CASE REPORT/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTENSION, RENAL, etiology/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ *RENAL ARTERY OBSTRUCTION, etiology/ RENAL ARTERY STENOSIS, diagnosis/ *RENAL ARTERY STENOSIS, etiology/ RENAL ARTERY STENOSIS, prevention & control/ RENIN, blood/ TRANSPLANTATION, HOMOLOGOUS

3279. **Riddick DH, Luciano AA, Kusmik WF, et al:** De novo synthesis of prolactin by human decidua. Life Sci 23(19):1913–21, 9 Nov 78
CHROMATOGRAPHY, GEL/ CYCLOHEXIMIDE, pharmacodynamics/ DECIDUA, drug effects/ *DECIDUA, metabolism/ FEMALE/ HUMAN/ IN VITRO/ PREGNANCY/ *PROLACTIN, biosynthesis/ PROTEINS, biosynthesis/ RADIOIMMUNOASSAY

3280. **Riemann JF:** Vorsorge in der Praxis: Was ist schädlich für die Leber? Fortschr Med 96(43):2197–202, 16 Nov 78 (Eng. Abstr.) **(Ger)**
ALCOHOLISM, complications/ ANABOLIC STEROIDS, adverse effects/ ARSENICALS, poisoning/ CALORIC INTAKE/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DIETARY CARBOHYDRATES/ DIETARY FATS/ ECHINOCOCCOSIS, HEPATIC, etiology/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, PORTAL, chemically induced/ LIVER ABSCESS, AMEBIC, etiology/ *LIVER DISEASES, prevention & control/ LIVER DISEASES, ALCOHOLIC, etiology/ MYCOTOXINS, poisoning/ OBESITY, complications/ PHYSICIANS, FAMILY/ POLYVINYL CHLORIDE, poisoning/ PYRROLIZIDINE ALKALOIDS, poisoning

3281. **Rifai A, Beierwaltes WH, Freitas JE, et al:** Adrenal scintigraphy in low renin essential hypertension. Clin Nucl Med 3(7):282–6, Jul 78
ADENOMA, complications/ ADENOMA, radionuclide imaging/ ADRENAL CORTEX NEOPLASMS, complications/ ADRENAL CORTEX NEOPLASMS, radionuclide imaging/ *ADRENAL GLANDS, radionuclide imaging/ ADULT/ BLOOD PRESSURE/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, radionuclide imaging/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ *HYPERTENSION, etiology/ HYPERTENSION, radionuclide imaging/ MALE/ MIDDLE AGE/ RENIN, blood/ SPIRONOLACTONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3282. **Rifka SM, Sherins RJ:** Current concepts in evaluation of the infertile male. Clin Obstet Gynaecol 5(2):481–97, Aug 78 (69 ref.)
ANDROGENS, therapeutic use/ BIOPSY/ FSH, blood/ GENITAL DISEASES, MALE, complications/ GENITALIA, MALE, abnormalities/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ HYPOGONADISM, drug therapy/ LH, blood/ MALE/ PHYSICAL EXAMINATION/ REVIEW/ SEMEN, analysis/ *STERILITY, MALE, diagnosis/ STERILITY, MALE, etiology/ STERILITY, MALE, therapy/ TESTIS, pathology/ TESTOSTERONE, blood/ TESTOSTERONE, therapeutic use/ VARICOCELE, surgery/ VAS DEFERENS, surgery

3283. **Riggs BL, Gallagher JC, DeLuca HF, et al:** A syndrome of osteoporosis, increased serum immunoreactive parathyroid hormone, and inappropriately low serum 1,25-dihydroxyvitamin D. Mayo Clin Proc 53(11):701–6, Nov 78
AGED/ ANTIGENS, analysis/ CALCIUM, blood/ CALCIUM, urine/ CASE REPORT/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ MENOPAUSE/ MIDDLE AGE/ *OSTEOPOROSIS, blood/ OSTEOPOROSIS, therapy/ OSTEOPOROSIS, urine/ *PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, immunology/ SYNDROME/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3284. **Říha J, Renda V, Minář J, et al:** Vliv hypodermatózy skotu na produkční ukazatele mléka u prvotelek. Vet Med (Praha) 23(10):597–605, Oct 78 (Eng. Abstr.) **(Cze)**
ANIMAL/ *CATTLE DISEASES, complications/ CATTLE/ DIPTERA/ ENGLISH ABSTRACT/ FEMALE/ *HYPODERMYIASIS, complications/ *LACTATION/ PARITY/ PREGNANCY COMPLICATIONS, INFECTIOUS, complications/ *PREGNANCY COMPLICATIONS, INFECTIOUS, veterinary/ PREGNANCY

3285. **Rijke AM, Jesser WA, Deck JD, et al:** Tissue ingrowth in porous acrylic cement. J Bioeng 2(3–4):333–9, Jun 78
*ACRYLATES/ ANIMAL/ *BONE AND BONES, cytology/ *BONE CEMENTS/ CRYSTALLIZATION/ DOGS/ SURFACE PROPERTIES/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3286. **Riley AL, Hagen TC, Stefaniak JE:** Effect of prolactin on glomerular filtration rate. Clin Sci Mol Med 55(4):335–9, Oct 78
ANIMAL/ BLOOD FLOW VELOCITY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *GLOMERULAR FILTRATION RATE, drug effects/ KIDNEY, blood supply/ MALE/ *PROLACTIN, pharmacodynamics/ 2-BROMOERGOCRYPTINE, diagnostic use

3287. **Rimon G, Hanski E, Braun S, et al:** Mode of coupling between hormone receptors and adenylate cyclase elucidated by modulation of membrane fluidity. Nature 276(5686):394–6, 23 Nov 78
ADENOSINE, pharmacodynamics/ *ADENYL CYCLASE, metabolism/ ANIMAL/ ENZYME ACTIVATION, drug effects/ EPINEPHRINE, pharmacodynamics/ ERYTHROCYTE MEMBRANE, metabolism/ KINETICS/ *MEMBRANE FLUIDITY/ MEMBRANE PROTEINS, metabolism/ MODELS, BIOLOGICAL/ PROTEIN BINDING/

*RECEPTORS, HORMONE, metabolism/ TURKEYS/ UNITED STATES GOV'T SUPPORTED

3288. **Rinaldi A, Velivasakis M, Latte B, et al:** Triplo-X constitution of mother explains apparent occurrence of two recombinants in sibship segregating at two closely X-linked loci (G6PD and deutan). Am J Hum Genet 30(4):339-45, Jul 78
*COLOR BLINDNESS, familial & genetic/ FEMALE/ *GENES, STRUCTURAL/ *GLUCOSEPHOSPHATE DEHYDROGENASE, genetics/ HUMAN/ ITALY/ LINKAGE (GENETICS)/ MALE/ PEDIGREE/ RECOMBINATION, GENETIC/ *SEX CHROMOSOMES/ *TRISOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

3289. **Ring J:** Zyklisches Adenosin-3-5-Monophosphat (c-AMP) und Allergie. Hautarzt 29(12):625-31, Dec 78 (Eng. Abstr.) **(Ger)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, immunology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANTIGEN-ANTIBODY REACTIONS/ ASTHMA, immunology/ BASOPHILS, immunology/ DERMATITIS, ATOPIC, immunology/ ENGLISH ABSTRACT/ HISTAMINE LIBERATION/ HUMAN/ *HYPERSENSITIVITY, immunology/ IMMUNITY, CELLULAR/ MAST CELLS, immunology/ NEURODERMATITIS, immunology

3290. **Ring ND, Nelham RL, Pearson FA:** Moulded supportive seating for the disabled. Prosthet Orthot Int 2(1):30-4, Apr 78
CEREBRAL PALSY, rehabilitation/ CHILD/ FOLLOW-UP STUDIES/ *HANDICAPPED/ HUMAN/ MUSCULAR DYSTROPHY, rehabilitation/ *ORTHOPEDIC EQUIPMENT/ OSTEOGENESIS IMPERFECTA, rehabilitation/ POSTURE/ RESPIRATION/ SCOLIOSIS, rehabilitation/ SPINA BIFIDA, rehabilitation/ *WHEELCHAIRS

3291. **Rinieris P, Christodoulou GN, Souvatzoglou A, et al:** Free-thyroxine index in mania and depression. Compr Psychiatry 19(6):561-4, Nov-Dec 78
ADOLESCENCE/ ADULT/ AGED/ *DEPRESSION, physiopathology/ FEMALE/ HUMAN/ MIDDLE AGE/ *PSYCHOSES, MANIC-DEPRESSIVE, physiopathology/ THYROID FUNCTION TESTS/ *THYROID GLAND, physiopathology/ *THYROXINE, blood

3292. **Rinne UK:** Recent advances in research on Parkinsonism. Acta Neurol Scand [Suppl] 57(69):77-113, 1978 (153 ref.)
ACETYLCHOLINESTERASE, metabolism/ ADULT/ APOMORPHINE, therapeutic use/ BENSERAZIDE, administration & dosage/ BRAIN, enzymology/ BRAIN, metabolism/ DEPRENYL, therapeutic use/ DOPA DECARBOXYLASE, metabolism/ DOPAMINE, metabolism/ DRUG THERAPY, COMBINATION/ GABA, metabolism/ HUMAN/ LEVODOPA, administration & dosage/ METHYLDOPAHYDRAZINE, administration & dosage/ NOREPINEPHRINE, metabolism/ *PARKINSON DISEASE/ PARKINSON DISEASE, drug therapy/ PARKINSON DISEASE, enzymology/ PARKINSON DISEASE, metabolism/ REVIEW/ SEROTONIN, metabolism/ SUBSTANCE P, metabolism/ TYROSINE HYDROXYLASE, metabolism/ 2-BROMOERGOCRYPTINE, therapeutic use

3293. **Ripa R:** I calcio-antagonisti nella terapia cardiologica. Minerva Med 69(48):3323-5, 13 Oct 78 **(Ita)**
*CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ CORONARY DISEASE, drug therapy/ CORONARY DISEASE, metabolism/ *HEART DISEASES, drug therapy/ HEART DISEASES, metabolism/ HUMAN/ *IPROVERATRIL, therapeutic use/ MYOCARDIUM, metabolism/ *NIFEDIPINE, therapeutic use/ *PYRIDINES, therapeutic use

3294. **Ripa R:** I calcio-antagonisti nella terapia cardiologica. Minerva Cardioangiol 26(11):757-9, Nov 78 **(Ita)**
*CALCIUM, antagonists & inhibitors/ CALCIUM, metabolism/ CORONARY DISEASE, drug therapy/ CORONARY DISEASE, metabolism/ *HEART DISEASES, drug therapy/ HEART DISEASES, metabolism/ HUMAN/ *IPROVERATRIL, therapeutic use/ *NIFEDIPINE, therapeutic use/ *PYRIDINES, therapeutic use/ SODIUM, metabolism

3295. **Rising TJ:** Effects of hepatic microsomal enzyme inducers of the endogenous substrates vitamin D3 and folate in rat. Biochem Pharmacol 28(1):63-7, 1979
ANIMAL/ ANTICONVULSANTS, pharmacodynamics/ BODY WEIGHT, drug effects/ *CHOLECALCIFEROLS, metabolism/ *ENZYME INDUCTION, drug effects/ *FOLIC ACID, metabolism/ FORMIMINOGLUTAMIC ACID, urine/ LIVER, drug effects/ MALE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, enzymology/ ORGAN WEIGHT, drug effects/ PHENOBARBITAL, pharmacodynamics/ PHENYLBUTYRATES, pharmacodynamics/ RATS/ UREA, analogs & derivatives/ UREA, pharmacodynamics

3296. **Rittenhouse-Simmons S, Deykin D:** The activation by Ca2+ of platelet phospholipase A2. Effects of dibutyryl cyclic adenosine monophosphate and 8-(N,N-diethylamino)-octyl-3,4,5-trimethoxybenzoate. Biochim Biophys Acta 543(4):409-22, 1 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ARACHIDONIC ACIDS, blood/ *BLOOD PLATELETS, enzymology/ CALCIUM, antagonists & inhibitors/ *CALCIUM, blood/ CATIONS, DIVALENT/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ GALLIC ACID, analogs & derivatives/ GALLIC ACID, pharmacodynamics/ HUMAN/ MAGNESIUM, pharmacodynamics/ *PHOSPHOLIPASE, blood/ THROMBIN, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3297. **Ritz E, Malluche HH, Krempien B, et al:** Pathogenesis of renal osteodystrophy: roles of phosphate and skeletal resistance to PTH. Adv Exp Med Biol 103:423-36, 1978 (22 ref.)
ANIMAL/ *BONE AND BONES, metabolism/ BONE AND BONES, pathology/ CALCIUM, blood/ DIHYDROXYCHOLECALCIFEROLS, blood/ GLOMERULAR FILTRATION RATE/ HUMAN/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY TUBULES, metabolism/ NEPHRECTOMY/ *PARATHYROID HORMONE, physiology/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ *RENAL OSTEODYSTROPHY, metabolism/ RENAL OSTEODYSTROPHY, pathology/ REVIEW

3298. **Rizk M, Walash MI:** Gas-liquid chromatographic analysis of lynestrenol in contraceptive tablets. Pharmazie 33(8):521-2, Aug 78
CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, THIN LAYER/ CONTRACEPTIVES, ORAL, analysis/ *LYNESTRENOL, analysis/ METHODS/ TABLETS

3299. **Robb GW, Amann RP, Killian GJ:** Daily sperm production and epididymal sperm reserves of pubertal and adult rats. J Reprod Fertil 54(1):103-7, Sep 78
AGE FACTORS/ ANIMAL/ BODY WEIGHT/ CELL NUMBER/ EPIDIDYMIS, cytology/ MALE/ ORGAN WEIGHT/ *RATS, physiology/ *SEX MATURATION/ *SPERMATOGENESIS/ TESTIS, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3300. **Robb RA, Jowsey J:** Quantitative measurement of fractional bone volume using digital scanning videodensitometry. Calcif Tissue Res 25(3):265-71, 18 Aug 78
AGE FACTORS/ BIOPSY/ *BONE AND BONES, anatomy & histology/ COMPUTERS/ *DENSITOMETRY, X-RAY, methods/ HUMAN/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3301. **Robberecht P, De Neef P, Lammens M, et al:** Specific binding of vasoactive intestinal peptide to brain membranes from the guinea pig. Eur J Biochem 90(1):147-54, 15 Sep 78
ANIMAL/ BINDING, COMPETITIVE/ *BRAIN, metabolism/ CATIONS, DIVALENT/ CATIONS, MONOVALENT/ CELL MEMBRANE, metabolism/ FEMALE/ *GASTROINTESTINAL HORMONES, metabolism/ GUANINE NUCLEOTIDES, pharmacodynamics/ GUINEA PIGS/ KINETICS/ *RECEPTORS, HORMONE, metabolism/ RIBONUCLEOTIDES, pharmacodynamics/ *VASOACTIVE INTESTINAL PEPTIDE, metabolism

3302. **Robberecht P, Deschodt-Lackman M, Morgat JL, et al:** The

interaction of caerulein with the rat pancreas. 3. Structural requirements for in vitro binding of caerulein-like peptides and its relationship to increased calcium outflux, adenylate cyclase activation, and secretion. Eur J Biochem 91(1):39–48, 2 Nov 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ *CAERULEIN, analogs & derivatives/ *CAERULEIN, metabolism/ *CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ ENZYME ACTIVATION/ KINETICS/ *PANCREAS, metabolism/ RATS/ *RECEPTORS, DRUG, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3303. **Roberge AG, Tremblay RR:** Metergoline: effects on serotonin metabolism in cat brain. Prog Neuropsychopharmacol 1(1-2):91-9, 1977
ANIMAL/ *BRAIN CHEMISTRY, drug effects/ BRAIN, drug effects/ BRAIN, enzymology/ CATS/ DOPA DECARBOXYLASE, metabolism/ *ERGOLINES, pharmacodynamics/ FEMALE/ MALE/ *METHERGOLINE, pharmacodynamics/ *SEROTONIN, analysis/ TRYPTOPHAN HYDROXYLASE, metabolism

3304. **Roberson GM, Barnes LD:** Separation of cyclic AMP and cyclic GMP from thymidine, electrolytes and polyvalent nucleotides in tissue samples. Biochim Biophys Acta 544(1):20–8, 15 Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ ALUMINUM OXIDE/ ANIMAL/ CHROMATOGRAPHY, methods/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ KIDNEY, analysis/ NUCLEOTIDES, isolation & purification/ RATS/ *THYMIDINE, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3305. **Roberts JL, Hanifin JM:** Athletic shoe dermatitis. Contact allergy to ethyl butyl thiourea. JAMA 241(3):275–6, 19 Jan 79
ADULT/ ALLERGENS, immunology/ CASE REPORT/ *DERMATITIS, CONTACT, etiology/ DERMATITIS, CONTACT, immunology/ *FOOT DERMATOSES, chemically induced/ HUMAN/ MALE/ PATCH TESTS/ *SHOES, adverse effects/ *THIOUREA, analogs & derivatives/ THIOUREA, adverse effects/ THIOUREA, immunology

3306. **Roberts MM, Rubens RD, King RJ, et al:** Oestrogen receptors and the response to endocrine therapy in advanced breast cancer. Br J Cancer 38(3):431–6, Sep 78
BREAST NEOPLASMS, analysis/ *BREAST NEOPLASMS, therapy/ CASTRATION/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ HYPOPHYSECTOMY/ PROSPECTIVE STUDIES/ *RECEPTORS, ESTROGEN, analysis

3307. **Robertson AL:** Role of vasoactive agents and hypertension in accelerated atherogenesis. pp. 288–300.
In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 I6222i 1977.
*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ AORTA, metabolism/ *ARTERIOSCLEROSIS, metabolism/ *ATHEROSCLEROSIS, metabolism/ CHOLESTEROL, blood/ CHYLOMICRONS, metabolism/ DIET, ATHEROGENIC/ DOGS/ *HYPERTENSION, complications/ HYPERTENSION, metabolism/ LIPOPROTEINS, metabolism/ MONOGRAPH/ MUSCLE, SMOOTH, metabolism/ *PROSTAGLANDINS E, pharmacodynamics/ RATS/ *SEROTONIN, pharmacodynamics

3308. **Robertson DB, McCarty JR, Jarratt M:** Treatment of psoriasis with 8-methoxypsoralen and sunlight. South Med J 71(11):1345–9, Nov 78
ADMINISTRATION, TOPICAL/ CHRONIC DISEASE/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ EVALUATION STUDIES/ HUMAN/ *METHOXSALEN, therapeutic use/ *PHOTOCHEMOTHERAPY/ *PSORIASIS, drug therapy/ *SUNLIGHT/ *TRIAMCINOLONE, therapeutic use

3309. **Robertson DM, Robertson D, Barrett CR:** Fracture toughness, critical crack length and plastic zone size in bone. J Biomech 11(8–9):359–64, 1978
ANIMAL/ *BONE AND BONES, anatomy & histology/ *CATTLE, anatomy & histology/ FEMUR, anatomy & histology/ *FRACTURES, pathology/ HARDNESS/ STRESS, MECHANICAL

3310. **Robertson RP, Guest RJ:** Reversal by methysergide of inhibition of insulin secretion by prostaglandin E in the dog. J Clin Invest 62(5):1014–9, Nov 78
ANIMAL/ BLOOD SUGAR, pharmacodynamics/ DOGS/ INDOMETHACIN, pharmacodynamics/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, secretion/ *METHYSERGIDE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS E, antagonists & inhibitors/ *PROSTAGLANDINS E, pharmacodynamics/ SEROTONIN ANTAGONISTS/ SEROTONIN, secretion/ UNITED STATES GOV'T SUPPORTED

3311. **Robins DM, Schimke RT:** Differential effects of estrogen and progesterone on ovalbumin mRNA utilization. J Biol Chem 253(24):8925–34, 25 Dec 78
ANIMAL/ CHICKENS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ KINETICS/ NUCLEIC ACID HYBRIDIZATION/ *OVALBUMIN, biosynthesis/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ POLYRIBOSOMES, drug effects/ POLYRIBOSOMES, metabolism/ *PROGESTERONE, pharmacodynamics/ *RNA, MESSENGER, metabolism/ *TAMOXIFEN, pharmacodynamics/ *TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3312. **Robinson AM, Girard JR, Williamson DH:** Evidence for a role of insulin in the regulation of lipogenesis in lactating rat mammary gland. Measurements of lipogenesis in vivo and plasma hormone concentrations in response to starvation and refeeding. Biochem J 176(1):343–6, 15 Oct 78
ANIMAL/ FEMALE/ GLUCAGON, blood/ INSULIN, blood/ INSULIN, metabolism/ *INSULIN, physiology/ *LACTATION/ *LIPIDS, biosynthesis/ *MAMMAE, metabolism/ PREGNANCY/ PROLACTIN, blood/ RATS/ STARVATION, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3313. **Robinson BV:** The pharmacology of phagocytosis. Rheumatol Rehabil Suppl:37–46, 1978 (41 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ CELL ADHESION, drug effects/ CHEMOTAXIS, drug effects/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ HUMAN/ IN VITRO/ MICROFILAMENTS, drug effects/ MICROFILAMENTS, physiology/ MICROTUBULES, drug effects/ MICROTUBULES, physiology/ PHAGOCYTES, drug effects/ PHAGOCYTES, metabolism/ PHAGOCYTES, physiology/ *PHAGOCYTOSIS, drug effects/ REVIEW

3314. **Robinson JS, Kingston EJ, Thorburn GD:** Physiological and endocrine factors in human fetal growth. Postgrad Med J 54 Suppl 1:51–61, 1978 (84 ref.)
ANIMAL/ FEMALE/ FETAL GROWTH RETARDATION, etiology/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ HYPOPHYSECTOMY/ MATERNAL-FETAL EXCHANGE/ *PITUITARY HORMONES, physiology/ PLACENTA, physiology/ PREGNANCY/ REVIEW/ SHEEP/ SOMATOMEDIN, physiology/ *THYROID HORMONES, physiology/ THYROIDECTOMY

3315. **Robinson RG:** A second brain tumour and irradiation. J Neurol Neurosurg Psychiatry 41(11):1005–12, Nov 78
ADULT/ ASTROCYTOMA, surgery/ BRAIN NEOPLASMS, etiology/ *BRAIN NEOPLASMS, radiotherapy/ BRAIN NEOPLASMS, surgery/ CASE REPORT/ CRANIOTOMY/ FEMALE/ GLIOBLASTOMA MULTIFORME, surgery/ HUMAN/ MALE/ MENINGIOMA, radiotherapy/ MENINGIOMA, surgery/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, etiology/ NEOPLASMS, MULTIPLE PRIMARY, surgery/ *NEOPLASMS, RADIATION-INDUCED, etiology/

NEOPLASMS, RADIATION-INDUCED, surgery/ PINEAL BODY, surgery/ TERATOID TUMOR, radiotherapy/ TERATOID TUMOR, surgery

3316. **Roca RA, Garófalo EG, Martino I, et al:** Effects of oxytocin antiserum and of indomethacin on hCG-induced ovulation in the rabbit. Biol Reprod 19(3):552-7, Oct 78
ANIMAL/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *IMMUNE SERUMS, pharmacodynamics/ *INDOMETHACIN, pharmacodynamics/ *OVULATION, drug effects/ *OXYTOCIN, immunology/ RABBITS

3317. **Rocha e Silva M Jr, Celso de Lima W, Castro de Souza EM:** Vasopressin secretion in response to haemorrhage: mathematical modelling of the factors involved. Pfluegers Arch 376(2):185-90, 6 Sep 78
ANIMAL/ BLOOD PRESSURE/ DOGS/ FEMALE/ *HEMORRHAGE, physiopathology/ MALE/ MODELS, BIOLOGICAL/ PLASMA VOLUME/ REGRESSION ANALYSIS/ VASOPRESSINS, blood/ *VASOPRESSINS, secretion

3318. **Roche J, Bonnet-Eymard J, Blanc D, et al:** Hypercalcémie sévère avec hypophosphorémie d'oigine thyrotoxique. Nouv Presse Med 7(34):3056, 7 Oct 78 **(Fre)**
AGED/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, etiology/ *HYPERTHYROIDISM, complications/ *PHOSPHORUS, blood

3319. **Rockel P, Hoffmann B, Kyrein HJ:** Beziehungen zwischen der Ovarfollikelgrösse, der Bindungskapazität uteriner Ostrogenrezeptoren sowie der Ostrogenkonzentrationen in Follikelflüssigkeit und Urin von Kälbern in Abhängigkeit von einer Ostrogenbehandlung. Berl Muench Tieraerztl Wochenschr 91(24):476-9, 1978 (Eng. Abstr.) **(Ger)**
ANIMAL/ BODY FLUIDS, metabolism/ CATTLE/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ *ESTROGENS, metabolism/ ESTROGENS, urine/ FEMALE/ *OVARY, anatomy & histology/ OVUM, anatomy & histology/ *RECEPTORS, ESTROGEN, metabolism

3320. **Röckert HO:** Effects of local anesthetics on the respiratory activity in vitro of cells in the dental pulp. Scand J Dent Res 86(5):425-7, Sep 78
*ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ DENTAL PULP, cytology/ DENTAL PULP, drug effects/ *DENTAL PULP, metabolism/ EPINEPHRINE, pharmacodynamics/ FELYPRESSIN, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ MALE/ *OXYGEN CONSUMPTION, drug effects/ PRILOCAINE, pharmacodynamics/ RATS

3321. **Rocki W, Małofiejew M:** O efekcie skurczowym izolowanego myometrium świni domowej (suis domestica) wywołanym oksytocyną. Ginekol Pol 49(11):949-53, Nov 78 (Eng. Abstr.) **(Pol)**
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ INDOMETHACIN, pharmacodynamics/ OXYTOCIN, antagonists & inhibitors/ *OXYTOCIN, pharmacodynamics/ SWINE/ *UTERINE CONTRACTION, drug effects

3322. **Rockwell DA, Winget CM, Rosenblatt LS, et al:** Biological aspects of suicide: circadian disorganization. J Nerv Ment Dis 166(12):851-8, Dec 78
ADAPTATION, PSYCHOLOGICAL/ ADULT/ BODY TEMPERATURE/ *CIRCADIAN RHYTHM/ CREATININE, urine/ DEPRESSION, psychology/ EPINEPHRINE, urine/ HEART RATE/ HUMAN/ MALE/ NOREPINEPHRINE, urine/ POTASSIUM, urine/ SODIUM, urine/ *SUICIDE, psychology/ 17-HYDROXYCORTICOSTEROIDS, urine

3323. **Rodbard D:** Statistical estimation of the minimal detectable concentration ('sensitivity') for radioligand assays. Anal Biochem 90(1):1-12, 1 Oct 78
DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, analysis/ MATHEMATICS/ MICROCHEMISTRY/ *RADIOIMMUNOASSAY/ *RADIOLIGAND ASSAY/ TESTOSTERONE, analysis

3324. **Rodríguez JA, López JM, Marusic ET, et al:** Relación entre las concentraciones de corticosterona y cortisol circulantes en situaciones de diferente actividad de ACTH. Rev Med Chil 106(6):415-9, Jun 78 (Eng. Abstr.) **(Spa)**
ADULT/ COMPARATIVE STUDY/ *CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ *CORTICOTROPIN, physiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROCORTISONE, blood/ HYPOPITUITARISM, physiopathology/ HYPOTHALAMUS, physiopathology/ MALE

3325. **Rodríguez MS:** A conspectus of research on folacin requirements of man. J Nutr 108(12):1983-2075, Dec 78
ADOLESCENCE/ ADULT/ AGED/ AGING/ ANIMAL/ CHILD/ CHILD, PRESCHOOL/ COENZYMES, metabolism/ FEMALE/ FETUS, metabolism/ FOLIC ACID DEFICIENCY, drug therapy/ FOLIC ACID DEFICIENCY, etiology/ FOLIC ACID DEFICIENCY, occurrence/ *FOLIC ACID/ FOLIC ACID, analogs & derivatives/ FOLIC ACID, analysis/ FOLIC ACID, metabolism/ FOLIC ACID, therapeutic use/ FOOD ANALYSIS/ FIGLU TEST/ HUMAN/ INFANT/ INFANT, LOW BIRTH WEIGHT/ INFANT, NEWBORN/ INFANT, PREMATURE/ LACTATION/ MALE/ MIDDLE AGE/ NUTRITION SURVEYS/ NUTRITIONAL REQUIREMENTS/ PREGNANCY/ PTEROYLPOLYGLUTAMIC ACIDS/ UNITED STATES GOV'T SUPPORTED

3326. **Rodriguez-Rigau LJ, Weiss DB, Zukerman Z, et al:** A possible mechanism for the detrimental effect of varicocele on testicular function in man. Fertil Steril 30(5):577-85, Nov 78
ADOLESCENCE/ ADULT/ ANDROGENS, biosynthesis/ CELL COUNT/ EPITHELIUM/ FSH, blood/ HUMAN/ LEYDIG CELLS, physiology/ LH, blood/ MALE/ SEMEN/ SPERM MOTILITY/ SPERMATOGENESIS/ *TESTIS, physiopathology/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VARICOCELE, complications/ *VARICOCELE, physiopathology

3327. **Rodway RG, Rahman SS:** Evidence for the common identity of rabbit ovarian 20alpha- and 17beta-hydroxysteroid dehydrogenases. J Endocrinol 78(3):459-60, Sep 78
ANIMAL/ ESTRADIOL/ FEMALE/ HYDROXYPREGNENOLONE/ NADP, biosynthesis/ *OVARY, enzymology/ RABBITS/ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism/ *20-HYDROXYSTEROID DEHYDROGENASES, metabolism

3328. **Roelandts J, Lenaerts F:** Paraneoplastische syndromen bij bronchuscarcinoom. Acta Tuberc Pneumol Belg 69(1):29-52, Jan-Mar 78 (124 ref.) (Eng. Abstr.) **(Dut)**
BONE DISEASES, etiology/ *CARCINOMA, BRONCHOGENIC, complications/ CARDIOVASCULAR DISEASES, etiology/ ENGLISH ABSTRACT/ HEMATOLOGIC DISEASES, etiology/ HUMAN/ JOINT DISEASES, etiology/ KIDNEY DISEASES, etiology/ *LUNG NEOPLASMS, complications/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ NEUROMUSCULAR DISEASES, etiology/ REVIEW/ SKIN DISEASES, etiology

3329. **Roffi J:** Etude par chromatographie gaz-liquides de l'élimination urinaire des 17 oxostéroïdes neutres chez le sénégalais adulte sain. Med Trop (Mars) 38(3):311-6, May-Jun 78 (Eng. Abstr.) **(Fre)**
ADULT/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, LIQUID/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ SENEGAL/ SEX FACTORS/ *17-KETOSTEROIDS, urine

3330. **Roffler RE, Satter LD, Hardie AR, et al:** Influence of dietary protein concentration on milk production by dairy cattle during early lactation. J Dairy Sci 61(10):1422-8, Oct 78
AGING/ ANIMAL FEED/ ANIMAL/ CATTLE/ *DIETARY PROTEINS, administration & dosage/ FEMALE/ *LACTATION/ LIPIDS, metabolism/ MILK PROTEINS, metabolism/ MILK, metabolism

3331. **Rohen JW:** Der Einfluss des Kallikrein-Kinin-Systems auf die Spermatogenese. Fortschr Androl 6:16-25, 1978 **(Ger)**
AGE FACTORS/ ANIMAL/ ANIMALS, NEWBORN/ ANIMALS, SUCKLING/ KALLIKREIN, administration & dosage/ *KALLIKREIN, physiology/ *KININS, physiology/ MALE/ RATS/ SERTOLI CELLS, physiology/

SERTOLI CELLS, ultrastructure/ SPERMATOCYTES, ultrastructure/ *SPERMATOGENESIS/ SPERMATOGONIA, ultrastructure/ TESTIS, drug effects

3332. **Röhle G, Breuer H:** External quality control for hormone determinations in the Federal Republic of Germany. Horm Res 9(6):450–4, 1978
GERMANY, WEST/ *HORMONES, analysis/ HUMAN/ QUALITY CONTROL/ SEX HORMONES, analysis/ STEROIDS, analysis/ THYROTROPIN, analysis/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

3333. **Rohlin M, Larsson A, Hammarström L:** In vitro interaction between 99Tcm-labeled pyrophosphate, 32P-labeled pyrophosphate and rat tissues. Eur J Nucl Med 3(4):249–55, 1978
ANIMAL/ AUTORADIOGRAPHY/ BONE AND BONES, radionuclide imaging/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ *PHOSPHORUS RADIOISOTOPES/ *PYROPHOSPHATES/ RATS/ *TECHNETIUM

3334. **Röhrborn W, von Figura K:** Human placenta alpha-N-acetylglucosaminidase: purification, characterization and demonstration of multiple recognition forms. Hoppe Seylers Z Physiol Chem 359(10):1353–62, Oct 78
ACETYLGLUCOSAMINIDASE, isolation & purification/ *ACETYLGLUCOSAMINIDASE, metabolism/ CARBOHYDRATES, analysis/ FEMALE/ GEL DIFFUSION TESTS/ *GLUCOSAMINIDASE, metabolism/ HUMAN/ ISOENZYMES, isolation & purification/ ISOENZYMES, metabolism/ KINETICS/ MOLECULAR WEIGHT/ NEURAMINIDASE/ *PLACENTA, enzymology/ PREGNANCY/ SUBSTRATE SPECIFICITY

3335. **Roine K, Saloniemi H:** Incidence of some diseases in connection with parturition in dairy cows. Acta Vet Scand 19(3):341–53, 1978
ANIMAL/ *CATTLE DISEASES, occurrence/ CATTLE/ DYSTOCIA, occurrence/ DYSTOCIA, veterinary/ FEMALE/ FINLAND/ PLACENTA DISORDERS, occurrence/ PLACENTA DISORDERS, veterinary/ PREGNANCY/ PUERPERAL DISORDERS, occurrence/ *PUERPERAL DISORDERS, veterinary/ PUERPERAL INFECTION, occurrence/ PUERPERAL INFECTION, veterinary/ UTERINE PROLAPSE, occurrence/ UTERINE PROLAPSE, veterinary

3336. **Roine K, Saloniemi H:** Incidence of infertility in dairy cows. Acta Vet Scand 19(3):354–67, 1978
ANIMAL HUSBANDRY/ ANIMAL/ *CATTLE DISEASES, occurrence/ CATTLE/ ENDOMETRITIS, occurrence/ ENDOMETRITIS, veterinary/ ESTRUS/ FEMALE/ OVARIAN CYSTS, occurrence/ OVARIAN CYSTS, veterinary/ OVULATION/ SEASONS/ STERILITY, FEMALE, occurrence/ *STERILITY, FEMALE, veterinary

3337. **Rojko JL, Hoover EA, Martin SL:** Histologic interpretation of cutaneous biopsies from dogs with dermatologic disorders. Vet Pathol 15(5):579–89, Sep 78
ADRENAL GLAND HYPERFUNCTION, pathology/ ADRENAL GLAND HYPERFUNCTION, veterinary/ ANIMAL/ DERMATITIS, ATOPIC, pathology/ DERMATITIS, ATOPIC, veterinary/ *DOG DISEASES, pathology/ DOGS/ HYPOTHYROIDISM, pathology/ HYPOTHYROIDISM, veterinary/ MITE INFESTATIONS, pathology/ MITE INFESTATIONS, veterinary/ PYODERMA, pathology/ PYODERMA, veterinary/ SEBORRHEA, pathology/ SEBORRHEA, veterinary/ *SKIN DISEASES, veterinary/ SKIN, anatomy & histology/ SKIN, pathology

3338. **Roman RJ, Kauker ML, Terragno NA, et al:** Inhibition of renal prostaglandin synthesis and metabolism by indomethacin in rats. Proc Soc Exp Biol Med 159(2):165–70, Nov 78
ANIMAL/ HYDROXYPROSTAGLANDIN DEHYDROGENASES, metabolism/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ KIDNEY CORTEX, drug effects/ KIDNEY MEDULLA, drug effects/ *KIDNEY, drug effects/ KIDNEY, metabolism/ MALE/ *PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3339. **Romano T:** Trauma notebook 14: Hemorrhagic shock – compensatory hormonal mechanisms in hemorrhagic shock. JEN 4(5):58, Sep–Oct 78
*HORMONES, physiology/ HUMAN/ *SHOCK, HEMORRHAGIC, physiopathology

3340. **Romeo Ulecia M, Alba Losada J, Sánchez García J:** Experiencia y resultados en el tratamiento del criptorquismo. Actas Urol Esp 2(6):287–90, Nov–Dec 78 (Eng. Abstr.) **(Spa)**
AGE FACTORS/ CATECHOLAMINES, administration & dosage/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHISM, drug therapy/ *CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MALE/ POSTOPERATIVE COMPLICATIONS/ *TESTIS, surgery

3341. **Romhányi I, Kelemen J:** Ein Fall von Binder-Syndrom (Dysostosis maxillo-nasalis) vergesellschaftet mit Minderwuchs und Fibula-Regelwidrigkeit. Dtsch Zahnaerztl Z 33(10):673–6, Oct 78 **(Ger)**
CASE REPORT/ CHILD/ *CRANIOFACIAL DYSOSTOSIS/ *DWARFISM/ *FIBULA, abnormalities/ HUMAN/ MALE/ SYNDROME

3342. **Romsos DR, Muiruri KL, Lin PY, et al:** Influence of dietary fat, fasting, and acute premature weaning on in vivo rates of fatty acid synthesis in lactating mice. Proc Soc Exp Biol Med 159(2):308–12, Nov 78
ADIPOSE TISSUE, metabolism/ ANIMAL/ COMPARATIVE STUDY/ *DIETARY FATS/ DIETARY FATS, administration & dosage/ *FASTING/ *FATTY ACIDS, biosynthesis/ FEMALE/ *LACTATION/ LIVER, metabolism/ MALE/ MAMMAE, metabolism/ MICE/ ORGAN SPECIFICITY/ PREGNANCY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WEANING

3343. **Roncoroni AJ, Herrera MR, Rosenberg M:** Timectomía en la miastenia grave. Medicina (B Aires) 38(1):9–19, Jan–Feb 78 (Eng. Abstr.) **(Spa)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ *MYASTHENIA GRAVIS, surgery/ *THYMECTOMY/ THYMECTOMY, mortality/ THYMOMA, complications/ THYMOMA, surgery/ THYMUS GLAND, radiography/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, surgery

3344. **Ronnekleiv OK, Ojeda SR, McCann SM:** Undernutrition, puberty and the development of estrogen positive feedback in the female rat. Biol Reprod 19(2):414–24, Sep 78
ANIMAL/ BODY WEIGHT, drug effects/ CORPUS LUTEUM, physiology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FSH, blood/ *LH, blood/ *NUTRITION/ ORGAN WEIGHT, drug effects/ RATS/ *SEX MATURATION/ SEX MATURATION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UTERUS, drug effects

3345. **Ronzoni Bernardi MG:** Ricerche genetiche sull'epoca di manifestazione della pubertà. Minerva Med 69(46):3172–4, 30 Sep 78 **(Ita)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ CHILD/ FEMALE/ HUMAN/ MALE/ PEDIGREE/ *PUBERTY/ PUBERTY, PRECOCIOUS/ SEX FACTORS

3346. **Rooks JB:** Estrogen treatment of teenage girls in the United States: description of the treated population. Pediatrics 62(6 Pt 2):1098–103, Dec 78
ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL, therapeutic use/ *ESTROGENS, therapeutic use/ ETHINYL ESTRADIOL, therapeutic use/ FAMILY PLANNING/ FEMALE/ HUMAN/ LACTATION/ MARRIAGE/ MESTRANOL, therapeutic use/ PREGNANCY/ SEX/ UNITED STATES

3347. **Roop DR, Nordstrom JL, Tsai SY, et al:** Transcription of structural and intervening sequences in the ovalbumin gene and identification of potential ovalbumin mRNA precursors. Cell 15(2):671–85, Oct 78

ANIMAL/ CELL NUCLEUS, metabolism/ CHICKENS/ ESTROGENS, pharmacodynamics/ FEMALE/ *GENES, STRUCTURAL/ MOLECULAR WEIGHT/ NUCLEIC ACID HYBRIDIZATION/ NUCLEIC ACID PRECURSORS, genetics/ *OVALBUMIN, genetics/ OVIDUCTS/ *RNA, HETEROGENEOUS NUCLEAR, genetics/ *RNA, MESSENGER, genetics/ *TRANSCRIPTION, GENETIC/ TRANSCRIPTION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3348. **Roos RW:** High-pressure liquid chromatographic analysis of estrogens in pharmaceuticals by measurement of their dansyl derivatives. J Pharm Sci 67(12):1735-9, Dec 78
CHROMATOGRAPHY, HIGH SPEED LIQUID/ DANSYL COMPOUNDS, analysis/ ESTRADIOL, analysis/ *ESTROGENS, analysis/ *ESTROGENS, SYNTHETIC, analysis/ ESTRONE, analysis/ ETHINYL ESTRADIOL, analysis/ METHODS/ SOLUTIONS, analysis/ SUSPENSIONS, analysis/ TABLETS, analysis

3349. **Rose JD:** Distribution and properties of diencephalic neuronal responses to genital stimulation in the female cat. Exp Neurol 61(2):231-44, 1 Sep 78
ANIMAL/ BRAIN MAPPING/ CATS/ *DIENCEPHALON, physiology/ ELECTROENCEPHALOGRAPHY/ ESTRUS/ FEMALE/ *GENITALIA, FEMALE, innervation/ HYPOTHALAMUS, physiology/ THALAMIC NUCLEI, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGINA, innervation

3350. **Rosen N, Schneck J, Bloom BR, et al:** Inhibition of plasminogen activator secretion by cyclic AMP in a macrophage-like cell line. J Cyclic Nucleotide Res 4(5):345-58, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CELL LINE/ CHOLERA TOXIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ MACROPHAGES, drug effects/ *MACROPHAGES, enzymology/ MURAMIDASE, metabolism/ PHAGOCYTOSIS, drug effects/ *PLASMINOGEN ACTIVATORS, secretion/ PROTEIN KINASE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3351. **Rosenbaum AH, Maruta T, Jiang NS, et al:** Endocrine testing in tardive dyskinesias: preliminary report. Am J Psychiatry 136(1):102-3, Jan 79
ADULT/ AGED/ DEPRESSION, drug therapy/ DEPRESSION, metabolism/ *DYSKINESIA, DRUG-INDUCED, metabolism/ FEMALE/ HUMAN/ *HYDROCORTISONE, urine/ MALE/ MIDDLE AGE/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ *THYROTROPIN, blood/ TRANQUILIZING AGENTS, MAJOR, adverse effects

3352. **Rosenfeld GB, Lebenthal E, Branski D, et al:** Cholestatic hepatitis with renal tubular acidosis, vitamin D resistant rickets and growth failure. Monogr Hum Genet 10:171-7, 1978
ACIDOSIS, RENAL TUBULAR, complications/ *ACIDOSIS, RENAL TUBULAR, pathology/ ADOLESCENCE/ CASE REPORT/ CHOLESTASIS, complications/ *CHOLESTASIS, pathology/ GROWTH DISORDERS, complications/ *GROWTH DISORDERS, pathology/ HEPATITIS, complications/ *HEPATITIS, pathology/ HUMAN/ MALE/ RICKETS, VITAMIN D RESISTANT, complications/ *RICKETS, VITAMIN D RESISTANT, pathology/ SYNDROME

3353. **Rosenow EC 3d:** Drug-induced pulmonary disease. J Pract Nurs 29(1):23-6, 43, Jan 79
ADRENAL CORTEX HORMONES, adverse effects/ ANALGESICS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ CONTRACEPTIVES, ORAL, adverse effects/ *DRUG THERAPY, adverse effects/ HUMAN/ *LUNG DISEASES, chemically induced

3354. **Rosenquist JB, Baylink DJ, Berger JS:** Alveolar atrophy and decreased skeletal mass of the radius. Int J Oral Surg 7(5):479-81, Oct 78
ABSORPTION/ ADULT/ AGE FACTORS/ *ALVEOLAR PROCESS/ ALVEOLOPLASTY/ ATROPHY/ *BONE AND BONES, metabolism/ *CALCIUM, metabolism/ HUMAN/ MALE/ MANDIBLE/ MANDIBULAR DISEASES, metabolism/ MIDDLE AGE/ RADIUS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3355. **Rosenqvist U:** Effect of thyroidectomy on intracellular amount and distribution of exchangeable $Ca2+$ in isolated rat liver cells. Mol Cell Endocrinol 12(1):111-7, Oct 78
ANIMAL/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ IN VITRO/ IODINE, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ RATS/ *THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3356. **Rosenthal M:** Sharp-Syndrom (mixed connective tissue disease) bei Kindern. Helv Paediatr Acta 33(3):251-8, Aug 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ ANTINUCLEAR FACTORS, analysis/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IGG/ IGM/ MALE/ *MIXED CONNECTIVE TISSUE DISEASE/ PROGNOSIS/ RHEUMATOID FACTOR, analysis

3357. **Rosenwaks Z, Urban MD, Wentz AC, et al:** Endometrial pathology and its relation to estrogen therapy in patients with hypogonadism. Pediatrics 62(6 Pt 2):1184-8, Dec 78
ADENOCARCINOMA, chemically induced/ ADOLESCENCE/ ADULT/ *ENDOMETRIUM, pathology/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ HYPERPLASIA/ *HYPOGONADISM, drug therapy/ KARYOTYPING/ MIDDLE AGE/ UTERINE NEOPLASMS, chemically induced

3358. **Rosner IA, Goldberg VM, Getzy L, et al:** Effects of estrogen on cartilage and experimentally induced osteoarthritis. Arthritis Rheum 22(1):52-8, Jan 79
ANIMAL/ CARTILAGE, ARTICULAR, drug effects/ *CARTILAGE, ARTICULAR, metabolism/ CARTILAGE, ARTICULAR, pathology/ *ESTRADIOL, therapeutic use/ FEMALE/ FEMUR, drug effects/ FEMUR, metabolism/ FEMUR, pathology/ *KNEE JOINT/ KNEE JOINT, metabolism/ KNEE JOINT, pathology/ *OSTEOARTHRITIS, drug therapy/ OSTEOARTHRITIS, metabolism/ OSTEOARTHRITIS, pathology/ *PROTEOGLYCANS, biosynthesis/ PROTEOGLYCANS, metabolism/ RABBITS/ TIBIA, drug effects/ TIBIA, metabolism/ TIBIA, pathology

3359. **Rosoff L Jr:** Chronic hepatitis. Compr Ther 4(9):33-9, Sep 78
AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ *HEPATITIS/ HEPATITIS, drug therapy/ HEPATITIS, etiology/ HEPATITIS, pathology/ HUMAN/ LIVER, pathology/ PENICILLAMINE, therapeutic use/ PREDNISOLONE, therapeutic use/ PREDNISONE, therapeutic use

3360. **Ross GT, Hillier SG:** Luteal maturation and luteal phase defect. Clin Obstet Gynaecol 5(2):391-409, Aug 78 (91 ref.)
AMENORRHEA, physiopathology/ *CORPUS LUTEUM MAINTENANCE/ *CORPUS LUTEUM, growth & development/ CORPUS LUTEUM, physiopathology/ ESTRADIOL, physiology/ FEMALE/ FSH, physiology/ GRAAFIAN FOLLICLE, analysis/ GRANULOSA CELLS, drug effects/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ IN VITRO/ LACTATION DISORDERS, physiopathology/ LH, physiology/ MENSTRUATION/ OVARIAN DISEASES, drug therapy/ OVARIAN DISEASES, physiopathology/ OVARY, physiopathology/ OVULATION/ PROLACTIN, physiology/ PROSTAGLANDINS, physiology/ REVIEW

3361. **Rossavik IK:** Relation between total uterine impulse, method of delivery and one-minute Apgar score. Br J Obstet Gynaecol 85(11):847-51, Nov 78
*APGAR SCORE/ *CERVIX UTERI, physiology/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *LABOR/ LABOR, drug effects/ MANOMETRY/ OXYTOCIN, pharmacodynamics/ PARITY/ PREGNANCY/ *UTERINE CONTRACTION

3362. **Rössler R, Kalbitzer S:** Spezielle Probleme bei

Hypophysentumoren. Sieben ausgewählte Beobachtungen II. Med Welt 29(44):1722–7, 3 Nov 78 **(Ger)**
ADENOMA, complications/ ADENOMA, metabolism/ ADULT/ CORTICOTROPIN, metabolism/ CRANIOPHARYNGIOMA, pathology/ DIABETES INSIPIDUS, complications/ EOSINOPHILIC GRANULOMA, complications/ FEMALE/ GLYCOGENOSIS 3, etiology/ HAMARTOMA, pathology/ HUMAN/ HYPOPITUITARISM, etiology/ *PITUITARY NEOPLASMS/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, metabolism/ PITUITARY NEOPLASMS, pathology/ PREGNANCY

3363. **Roth A, Cerlek S, Dominis M, et al:** Liver changes induced by cytostatic drugs in patients with non Hodgkin's lymphomas. Acta Hepatogastroenterol (Stuttg) 25(5):353–9, Oct 78
ADRENAL CORTEX HORMONES, therapeutic use/ *ANTINEOPLASTIC AGENTS, therapeutic use/ FEMALE/ HEPATITIS, pathology/ HUMAN/ LIVER NEOPLASMS, drug therapy/ *LIVER NEOPLASMS, pathology/ *LIVER, pathology/ LYMPHOMA, drug therapy/ *LYMPHOMA, pathology/ MALE/ MECHLORETHAMINE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCRISTINE, therapeutic use

3364. **Roth-Schechter BF, Mandel P:** Glial cell reactions and aberrations: drug effects. pp. 403–12.
In: Schoffeniels E, et al., ed. Dynamic properties of glia cells. Oxford, Pergamon Press, 1978. WL 102.3 D997 1977.
CELLS, CULTURED/ DRUG DEPENDENCE, metabolism/ DRUG TOLERANCE/ GUANYL CYCLASE, metabolism/ HEXOKINASE, metabolism/ MONOGRAPH/ *MORPHINE, pharmacodynamics/ *NEUROGLIA, drug effects/ NEUROGLIA, metabolism/ NEURONS, metabolism/ OXYGEN CONSUMPTION, drug effects/ *PENTOBARBITAL, pharmacodynamics/ PHOSPHOFRUCTOKINASE, metabolism

3365. **Rothberg H, Varney JK:** Raynaud's phenomenon after vinblastine-bleomycin chemotherapy. J Med Soc NJ 75(12):845–6, Nov 78
ADULT/ BLEOMYCIN, adverse effects/ *BLEOMYCIN, therapeutic use/ CASE REPORT/ HUMAN/ MALE/ NEOPLASM METASTASIS/ *RAYNAUD'S DISEASE, chemically induced/ TERATOID TUMOR, drug therapy/ TESTICULAR NEOPLASMS, drug therapy/ *VINBLASTINE, adverse effects/ VINBLASTINE, therapeutic use

3366. **Rotrosen J, Miller AD, Mandio D, et al:** Reduced PGE1 stimulated 3H-cAMP accumulation in platelets from schizophrenics. Life Sci 23(20):1989–96, 13 Nov 78
ACUTE DISEASE/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CAFFEINE, pharmacodynamics/ CHRONIC DISEASE/ HUMAN/ IN VITRO/ *PROSTAGLANDINS E, pharmacodynamics/ *SCHIZOPHRENIA, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3367. **Roudebush CP, Asteris GT, DeGroot LJ:** Natural history of radiation-associated thyroid cancer. Arch Intern Med 138(11):1631–4, Nov 78
ADENOMA, etiology/ ADENOMA, pathology/ ADOLESCENCE/ ADULT/ *CARCINOMA, PAPILLARY, etiology/ CARCINOMA, PAPILLARY, pathology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GOITER, radiotherapy/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ *NEOPLASMS, RADIATION-INDUCED/ NEOPLASMS, RADIATION-INDUCED, pathology/ PARATHYROID NEOPLASMS, etiology/ PARATHYROID NEOPLASMS, pathology/ *RADIOTHERAPY, adverse effects/ RECURRENCE/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X-RAYS

3368. **Roulier R, Mattei A, Duvivier J, et al:** Measurement of gonadotrophins, testosterone, delta4 androstenedione and dihydrotesterone in idiopathic oligospermia. Clin Endocrinol (Oxf) 9(4):303–11, Oct 78
ADULT/ *ANDROSTENEDIONE, blood/ *FSH, blood/ HUMAN/ *LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ *OLIGOSPERMIA, blood/ OLIGOSPERMIA, physiopathology/ *STANOLONE, blood/ *TESTOSTERONE, blood

3369. **Roulston JE, Macgregor GA, Adam T, et al:** Measurement of plasma renin activity as a valid estimation of plasma angiotensin status. Ann Clin Biochem 15(5):250–2, Sep 78
ANGIOTENSIN I, blood/ *ANGIOTENSIN II, blood/ HUMAN/ RADIOIMMUNOASSAY/ *RENIN, blood

3370. **Rouse P:** Premenstrual tension: a study using the Moos Menstrual Questionnaire. J Psychosom Res 22(3):215–22, 1978
ADOLESCENCE/ ADULT/ AFFECT/ AGE FACTORS/ CONTRACEPTION BEHAVIOR/ CONTRACEPTIVES, ORAL, pharmacodynamics/ EDEMA, etiology/ FEMALE/ HUMAN/ MENSTRUATION/ MIDDLE AGE/ PAIN, etiology/ *PREMENSTRUAL TENSION, diagnosis/ *QUESTIONNAIRES

3371. **Roy S:** Ultrastructure of capillaries in chromophobe adenoma. Neurol India 26(2):58–62, Jun 78
*ADENOMA, CHROMOPHOBE, blood supply/ ADENOMA, CHROMOPHOBE, ultrastructure/ *CAPILLARIES, ultrastructure/ HUMAN/ PITUITARY GLAND, blood supply/ *PITUITARY NEOPLASMS, blood supply/ PITUITARY NEOPLASMS, ultrastructure

3372. **Roy S:** Cytoplasmic filamentous masses in chromophobe adenoma of the human pituitary gland. J Pathol 125(3):151–4, Jul 78
ACROMEGALY, complications/ ADENOMA, CHROMOPHOBE, complications/ *ADENOMA, CHROMOPHOBE, ultrastructure/ ADULT/ *CYTOPLASM, ultrastructure/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ PITUITARY NEOPLASMS, complications/ *PITUITARY NEOPLASMS, ultrastructure

3373. **Rożek M:** The effect of the S-triazine herbicides Gesatop 50 and Gesagard 50 on oogenesis of Pterostichus cupreus L., Pterostichus melanarius Ill., and Agonum dorsale Pnt. (Coleoptera : Carabidae). Folia Biol (Krakow) 26(3):171–9, 1978
ANIMAL/ *CHEMOSTERILANTS/ *COLEOPTERA/ COLEOPTERA, growth & development/ FEMALE/ *HERBICIDES, TRIAZINE, pharmacodynamics/ *OOGENESIS, drug effects/ OVARY, drug effects/ *PROMETRYNE, pharmacodynamics/ *SIMAZINE, pharmacodynamics

3374. **Rozenbaum H:** Précautions à observer avant de prescrire un contraceptif oral. Concours Med 100(35):5519–23, 30 Sep 78 **(Fre)**
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN

3375. **Rozental' RL, Babarykin DA, Demidov GI, et al:** Kal'tsevyĭ obmen posle transplantatsii pochki. Ter Arkh 50(11):80–4, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERCALCEMIA, etiology/ *KIDNEY, transplantation/ MALE/ MIDDLE AGE/ OSTEOLYSIS, etiology/ POSTOPERATIVE COMPLICATIONS, etiology/ TRANSPLANTATION, ALLOGENEIC

3376. **Rubenfeld S:** Euthyroid sick syndrome [letter] N Engl J Med 299(25):1414, 21 Dec 78
DIAGNOSIS, DIFFERENTIAL/ HUMAN/ *HYPOTHYROIDISM, diagnosis/ SYNDROME/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3377. **Ruberg M, Rotsztejn WH, Arancibia S, et al:** Stimulation of prolactin release by vasoactive intestinal peptide (VIP). Eur J Pharmacol 51(3):319–20, 1 Oct 78
ANIMAL/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ IN VITRO/ LH, metabolism/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ *PITUITARY GLAND, ANTERIOR, metabolism/ *PROLACTIN, metabolism/ RATS/ STIMULATION, CHEMICAL/ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

3378. **Rubin W, Cosio L:** The use of epon embedding with the Falck-Hillarp technique to preserve the serotonin-associated fluorescence of endocrine and mast cells in the rat stomach. J Histochem Cytochem 26(11):1026–30, Nov 78
ANIMAL/ *ENDOCRINE GLANDS, cytology/ *HISTOLOGICAL TECHNICS, methods/ *MAST CELLS, cytology/ MICROSCOPY, FLUORESCENCE/ PRESERVATION, BIOLOGICAL/ RATS/ *SEROTONIN, metabolism/ *STOMACH, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3379. **Rubinstein K:** Management of retinal oedema. Trans Ophthalmol Soc UK 97(4):662–4, Sep 77
ADRENAL CORTEX HORMONES, therapeutic use/ EDEMA, etiology/ *EDEMA, therapy/ HUMAN/ LASER COAGULATION/ LIGHT COAGULATION/ *RETINAL DISEASES, therapy/ TIME FACTORS

3380. **Rubinstein L, Moguilevsky J, Leiderman S:** The effect of oral contraceptives on the gonadotropin response to LHRH. Obstet Gynecol 52(5):571–4, Nov 78
ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ DEPRESSION, CHEMICAL/ ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ *FSH, metabolism/ HUMAN/ *LH, metabolism/ *LH-FSH RELEASING HORMONE, diagnostic use/ MENSTRUATION, LUTEAL PHASE/ MESTRANOL, pharmacodynamics/ NORETHINDRONE, pharmacodynamics/ NORGESTREL, pharmacodynamics/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3381. **Ruckhäberle KE, Bilek K, Scheuner G, et al:** Beziehungen zwischen HPL-Bestimmung im mütterlichen Serum und Zustand des zugehörigen plazentaren Zottentrophoblasten. Zentralbl Gynaekol 100(19):1245–53, 1978 (Eng. Abstr.) **(Ger)**
ALKALINE PHOSPHATASE, blood/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ OXYTOCINASE, blood/ *PLACENTA, cytology/ PLACENTA, physiology/ *PLACENTAL LACTOGEN, blood/ PREGNANCY/ *TROPHOBLAST

3382. **Rudorff KH, Herrmann J, Strohmeyer G, et al:** Schilddrüsenfunktions-parameter bei Lebererkrankungen. Med Welt 29(48):1888–92, 1 Dec 78 **(Ger)**
HUMAN/ *LIVER DISEASES, physiopathology/ THYROID FUNCTION TESTS/ *THYROID GLAND, physiopathology

3383. **Ruigrok TJ, Boink AB, Spies F, et al:** Energy dependence of the calcium paradox. J Mol Cell Cardiol 10(11):991–1002, Nov 78
ADENINE NUCLEOTIDES, metabolism/ ANIMAL/ ANOXIA, metabolism/ *CALCIUM, pharmacodynamics/ CREATINE KINASE, metabolism/ ENERGY METABOLISM/ *HEART, drug effects/ IN VITRO/ KINETICS/ MALE/ *MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ MYOCARDIUM, ultrastructure/ PERFUSION/ RATS/ THIOCYANATES, pharmacodynamics

3384. **Ruiter T:** Met bronstinductie driemaal aflammen in twee jaar. Tijdschr Diergeneeskd 103(24):1334–8, 15 Dec 78 (Eng. Abstr.) **(Dut)**
ANIMAL HUSBANDRY/ ANIMAL/ BREEDING/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ MALE/ NETHERLANDS/ *OVULATION INDUCTION, veterinary/ PREGNANCY/ *PREGNANCY, ANIMAL/ *SHEEP

3385. **Ruiz Velasco V, Zaldívar Guerra A, Villanueva Gasca A:** Utilidad de la estimulación única con LH-RH en la amenorrea con hipoestrogenismo. Ginecol Obstet Mex 44(264):275–84, Oct 78 (Eng. Abstr.) **(Spa)**
*AMENORRHEA, drug therapy/ ENGLISH ABSTRACT/ *ESTROGENS, deficiency/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INJECTIONS, INTRAVENOUS/ *LH-FSH RELEASING HORMONE, therapeutic use/ STIMULATION, CHEMICAL

3386. **Rumbaugh RC, Kramer RE, Colby HD:** Dose-dependent actions of thyroxine on hepatic drug metabolism in male and female rats. Biochem Pharmacol 27(16):2027–31, 1978
ANIMAL/ BODY WEIGHT, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DRUGS, metabolism/ FEMALE/ HYPOPHYSECTOMY/ LIVER, drug effects/ LIVER, enzymology/ *LIVER, metabolism/ MALE/ MIXED FUNCTION OXIDASES, metabolism/ ORGAN WEIGHT, drug effects/ RATS/ SEX FACTORS/ THYROIDECTOMY/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

3387. **Rundgren M, Fyhrquist F:** A study of permanent adipsia induced by medial forebrain lesions. Acta Physiol Scand 103(4):463–71, Aug 78
ANIMAL/ ARGIPRESSIN, blood/ BLOOD PRESSURE/ DRINKING/ ELECTRIC STIMULATION/ ELECTROCOAGULATION/ FEMALE/ GOATS/ HEART RATE/ HEAT/ *HYPOTHALAMUS, surgery/ HYPOTHALAMUS, ANTERIOR, physiology/ *HYPOTHALAMUS, ANTERIOR, surgery/ OSMOLAR CONCENTRATION/ PREOPTIC AREA, physiology/ *PREOPTIC AREA, surgery/ RENIN, blood/ SODIUM, blood/ *THIRST, physiology

3388. **Rundgren M, Fyhrquist F:** Transient water diuresis and syndrome of inappropriate antidiuretic hormone secretion (SIADH) induced by forebrain lesions of different location. Acta Physiol Scand 103(4):421–9, Aug 78
ANIMAL/ ARGIPRESSIN, blood/ DIENCEPHALON, physiology/ *DIENCEPHALON, surgery/ *DIURESIS/ ELECTROCOAGULATION/ FEMALE/ GOATS/ INAPPROPRIATE ADH SYNDROME, blood/ *INAPPROPRIATE ADH SYNDROME, etiology/ INAPPROPRIATE ADH SYNDROME, urine/ OSMOLAR CONCENTRATION/ SODIUM, blood/ SODIUM, urine/ TELENCEPHALON, physiology/ *TELENCEPHALON, surgery/ THIRST

3389. **Rundo J:** The radioactive properties and biological behavior of 224Ra (ThX) and its daughters. Health Phys 35(1):13–20, Jul 78
ACTINIUM/ ANIMAL/ BONE AND BONES, radiation effects/ HALF-LIFE/ HUMAN/ LEAD/ MICE/ RADIOCHEMISTRY/ RADIOISOTOPES/ *RADIUM/ RADIUM, administration & dosage/ RATS/ THORIUM DIOXIDE, administration & dosage/ THORIUM/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED

3390. **Runeberg L:** Paraneoplastiset ilmiöt kliinikon kannalta. Duodecim 94(22):1373–4, 1978 **(Fin)**
HUMAN/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, diagnosis

3391. **Runeberg L, Toivonen I, Laxén F:** Ektooppinen ADH -oireyhtymä. Duodecim 94(22):1385–9, 1978 **(Fin)**
*BRONCHIAL NEOPLASMS, secretion/ HORMONES, ECTOPIC, biosynthesis/ HORMONES, ECTOPIC, secretion/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES/ SODIUM, blood/ VASOPRESSINS, biosynthesis/ *VASOPRESSINS, secretion

3392. **Ruoslahti E, Engvall E, Pekkala A, et al:** Developmental changes in carbohydrate moiety of human alpha-fetoprotein. Int J Cancer 22(5):515–20, 15 Nov 78
*ALPHA FETOPROTEINS/ ALPHA FETOPROTEINS, analysis/ ALPHA FETOPROTEINS, isolation & purification/ *AMNIOTIC FLUID, analysis/ CARBOHYDRATES, analysis/ CHROMATOGRAPHY, AFFINITY/ CONCANAVALIN A, diagnostic use/ FEMALE/ *FETAL BLOOD, analysis/ GEL DIFFUSION TESTS/ HUMAN/ INFANT, NEWBORN/ LIVER NEOPLASMS, metabolism/ LIVER, metabolism/ MESONEPHROMA, metabolism/ OVARIAN NEOPLASMS, metabolism/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ RADIOIMMUNOASSAY/ TERATOID TUMOR, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3393. **Rusin VIa, Barashkov VA:** Adaptatsiia belykh krys k kholodu v usloviiakh éksperimental'nogo giper- i gipotireoza. Fiziol Zh SSSR 64(10):1463–7, Oct 78 (Eng. Abstr.) **(Rus)**

*ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ *COLD/ ENGLISH ABSTRACT/ *HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, physiopathology/ RATS

3394. **Russell RG, Kanis JA, Smith R, et al:** Physiological and pharmacological aspects of 24,25-dihydroxycholecalciferol in man. Adv Exp Med Biol 103:487-503, 1978 (52 ref.)
BONE DEVELOPMENT, drug effects/ BONE RESORPTION, drug effects/ CALCIFICATION, PHYSIOLOGIC, drug effects/ CALCITONIN, metabolism/ CALCIUM, metabolism/ CARTILAGE, drug effects/ CARTILAGE, metabolism/ DIHYDROXYCHOLECALCIFEROLS, biosynthesis/ DIHYDROXYCHOLECALCIFEROLS, blood/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINAL ABSORPTION, drug effects/ PARATHYROID GLANDS, drug effects/ PARATHYROID GLANDS, metabolism/ REVIEW

3395. **Ruzicka T, Goerz G:** Beobachtungen bei der Pyodermite végétante Hallopeau. Z Hautkr 54(1):24-32, 1 Jan 79 **(Ger)**
AGED/ AZATHIOPRINE, therapeutic use/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ IGA/ PARAPROTEINEMIAS, complications/ *PYODERMA, diagnosis/ PYODERMA, drug therapy/ PYODERMA, pathology/ SKIN, pathology/ SYNDROME

3396. **Ryan JJ, Hoffmann B:** Trenbolone acetate: experiences with bound residues in cattle tissues. J Assoc Off Anal Chem 61(5):1274-9, Sep 78
ANIMAL/ CATTLE/ *ESTRENES, metabolism/ FEMALE/ LIVER, metabolism/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ SOLUBILITY/ TISSUE DISTRIBUTION/ TRENBOLONE, analogs & derivatives/ TRENBOLONE, analysis/ *TRENBOLONE, metabolism

3397. **Ryan MT, Baraff G:** Testosterone-induced proton release and inhibition of tryptic hydrolysis of albumin. Biochim Biophys Acta 543(3):364-72, 18 Oct 78
ALCOHOL, ETHYL, pharmacodynamics/ CALCIUM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROLYSIS/ PROTONS/ *SERUM ALBUMIN, metabolism/ *TESTOSTERONE, pharmacodynamics/ TRYPSIN INHIBITORS/ TRYPSIN, metabolism

3398. **Rybkin AI, Shiliaev RR:** Nekotorye osobennosti metabolizma eritrotsitov u detei pervogo goda zhizni s rakhitom. Pediatriia (10):32-3, Oct 78 **(Rus)**
AGE FACTORS/ *ERYTHROCYTES, metabolism/ GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ GLUCOSEPHOSPHATES/ HUMAN/ INFANT/ PHOSPHATES, blood/ *RICKETS, blood

3399. **Rysánek K, Přikryl P, Kunovská V, et al:** Závislost mezi tělesnou zátěží, sympatickou aktivitou a prostaglandiny skupiny A + E a F u zdravých osob. Cas Lek Cesk 117(36):1113-7, 8 Sep 78 (Eng. Abstr.) **(Cze)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ CATECHOLAMINES, blood/ DOPAMINE BETA-HYDROXYLASE, blood/ ENGLISH ABSTRACT/ *EXERTION/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROSTAGLANDINS A, blood/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, blood/ *SYMPATHETIC NERVOUS SYSTEM, physiology

3400. **Ryu K, Chung SO, Yang YH, et al:** Urinary estriol determinations in normal and pathological pregnancies. Yonsei Med J 18(2):123-9, 1977
*ESTRIOL, urine/ FEMALE/ FETAL DEATH, urine/ HUMAN/ PRE-ECLAMPSIA, urine/ *PREGNANCY COMPLICATIONS, urine/ *PREGNANCY/ UTERINE HEMORRHAGE, urine

3401. **Rząsa J:** Effects of arginine vasotocin and prostaglandin E1 on the hen uterus. Prostaglandins 16(3):357-72, Sep 78
ANIMAL/ CHICKENS/ FEMALE/ INDOMETHACIN, pharmacodynamics/ OVIPOSITION, drug effects/ PRESSURE/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDINS E, biosynthesis/ *PROSTAGLANDINS E, pharmacodynamics/ STIMULATION, CHEMICAL/ *UTERINE CONTRACTION, drug effects/ UTERUS, drug effects/ UTERUS, metabolism/ *VASOTOCIN, pharmacodynamics

S

3402. **Saad SF, Shehata MM:** Effect of gonadectomy and sex hormone treatment on pantothenic acid content in the liver of the rats. Mater Med Pol 10(3):188-90, Jul-Sep 78
ANIMAL/ *CASTRATION/ FEMALE/ *LIVER, analysis/ MALE/ OVARY, physiology/ PANTOTHENIC ACID/ RATS/ SEX FACTORS/ *SEX HORMONES, pharmacodynamics/ TESTIS, physiology

3403. **Sacco F, Benedetti Panici P, Villani L, et al:** Il significato del dosaggio contemporaneo degli antigeni tumore associati in pazienti affette da neoplasie di vario tipo dell'apparato genitale. Minerva Ginecol 30(10):811-6, Oct 78 (Eng. Abstr.) **(Ita)**
ALPHA FETOPROTEINS, analysis/ *ANTIGENS, NEOPLASM/ ANTIGENS, NEOPLASM, analysis/ CARCINOEMBRYONIC ANTIGEN, analysis/ ENDOMETRIUM/ ENGLISH ABSTRACT/ FEMALE/ *GENITAL NEOPLASMS, FEMALE, immunology/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ PLACENTAL LACTOGEN, analysis/ UTERINE NEOPLASMS, immunology/ VULVAR NEOPLASMS, immunology

3404. **Sack J, Katznelson D, Czerniak P, et al:** Early detection of thyroid dyshormonogenesis in a breast-fed infant using a filter paper screening method. Monogr Hum Genet 10:185-7, 1978
BREAST FEEDING/ CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYPOTHYROIDISM, congenital/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, drug therapy/ MALE/ PAPER/ PREGNANCY/ THYROTROPIN, blood/ THYROXINE, blood/ THYROXINE, therapeutic use

3405. **Sack J, Katznelson D, Kraiem Z, et al:** Management of congenital hypoaldosteronism. Monogr Hum Genet 10:181-4, 1978
*ALDOSTERONE, deficiency/ BODY HEIGHT/ CASE REPORT/ CORTICOTROPIN, diagnostic use/ DESOXYCORTICOSTERONE, therapeutic use/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ MALE/ *METABOLISM, INBORN ERRORS, drug therapy/ PREGNANES, blood

3406. **Sackmann-Muriel F, Svarch E, Eppinger-Helft M, et al:** Evaluation of intensification and maintenance programs in the treatment of acute lymphoblastic leukemia. Cancer 42(4):1730-40, Oct 78
ADOLESCENCE/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ CENTRAL NERVOUS SYSTEM DISEASES, prevention & control/ CHILD/ CYCLOPHOSPHAMIDE, administration & dosage/ CYTARABINE, administration & dosage/ DAUNOMYCIN, administration & dosage/ DEXAMETHASONE, administration & dosage/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, therapy/ MALE/ MERCAPTOPURINE, administration & dosage/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PROGNOSIS/ RADIOTHERAPY, HIGH ENERGY/ REMISSION/ RISK/ TIME FACTORS/ VINCRISTINE, administration & dosage

3407. **Sadler WA, Lynskey CP, Legge M:** Radioimmunoassay of thyroxine in dried blood spots. Aust Paediatr J 14(3):154-62, Sep 78
COMPARATIVE STUDY/ HUMAN/ *HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, blood/ INFANT, NEWBORN, DISEASES, diagnosis/ *RADIOIMMUNOASSAY/ *THYROXINE, blood

3408. **Sadove AM, Kuettner KE:** Inhibition of mammary carcinoma invasiveness with cartilage-derived inhibitor. Surg Forum

28:499–501, 1977
BREAST NEOPLASMS, enzymology/ *BREAST NEOPLASMS, pathology/ *CARTILAGE/ CLOSTRIDIOPEPTIDASE A, metabolism/ *COLLAGEN, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ HEPARIN, pharmacodynamics/ HUMAN/ *NEOPLASM INVASIVENESS/ *PROTEASE INHIBITORS, pharmacodynamics/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3409. **Saegusa K, Arimizu N, Uchiyama G, et al:** [Clinical uses of I-123 produced by 127I(p, 5n) 123Xe to 123I reaction in NIRS (author's transl)] Kaku Igaku 15(5):751–4, Aug 78 **(Jpn)**
AGED/ COMPARATIVE STUDY/ HUMAN/ *IODINE RADIOISOTOPES/ IODINE RADIOISOTOPES, diagnostic use/ *IODINE/ MALE/ PROTONS/ SPECTROMETRY, GAMMA/ *THYROID GLAND, radionuclide imaging/ *XENON RADIOISOTOPES

3410. **Saez JM, Evain D, Gallet D:** Role of cyclic AMP and protein kinase on the steroidogenic action of ACTH, prostaglandin E1 and dibutyryl cyclic AMP in normal adrenal cells and adrenal tumor cells from humans.
J Cyclic Nucleotide Res 4(4):311–21, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ *ADRENAL CORTEX NEOPLASMS, metabolism/ *ADRENAL GLANDS, metabolism/ CELL MEMBRANE, enzymology/ *CORTICOTROPIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ HUMAN/ *HYDROCORTISONE, biosynthesis/ PROSTAGLANDINS E, pharmacodynamics/ *PROTEIN KINASE, metabolism

3411. **Safaralieva AR, Rozovskiĭ IS, Bogdanova EA, et al:** Osobennosti steroidogeneza u devushek s razlichnymi formami zaderzhki polovogo razvitiia. Akush Ginekol (Mosk) (10):34–8, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ SEX DIFFERENTIATION DISORDERS, familial & genetic/ *SEX DIFFERENTIATION DISORDERS, metabolism/ *STEROIDS, biosynthesis/ TESTOSTERONE, blood/ TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, metabolism/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

3412. **Sagar AJ, Narasinga Rao MS, Pandit MW:** Properties of silk proteins extracted in saturated lithium thiocyanate solution. Indian J Biochem Biophys 15(1):59–61, Feb 78
ANIMAL/ FIBROIN, isolation & purification/ LITHIUM/ OPTICAL ROTATORY DISPERSION/ *PROTEINS/ PROTEINS, isolation & purification/ SILKWORMS/ THIOCYANATES/ VISCOSITY

3413. **Sago AL, Montie JE, Novicki DE, et al:** Accuracy of preoperative studies in staging nonseminomatous germ cell testicular tumors. Urology 12(4):420–2, Oct 78
HUMAN/ LYMPH NODES, pathology/ LYMPHOGRAPHY/ MALE/ NEOPLASM STAGING/ NEOPLASMS, EMBRYONAL AND MIXED, diagnosis/ *NEOPLASMS, EMBRYONAL AND MIXED, pathology/ RETROSPECTIVE STUDIES/ TESTICULAR NEOPLASMS, diagnosis/ *TESTICULAR NEOPLASMS, pathology/ UROGRAPHY

3414. **Saida K, Sato T, Nakajima H:** [Thyroxine deiodination activity of the peripheral lymphocytes] Horumon To Rinsho 26(11):1150–4, Nov 78 **(Jpn)**
ADOLESCENCE/ ADULT/ HUMAN/ *IODIDES, blood/ *LYMPHOCYTES, metabolism/ MIDDLE AGE/ RECEPTORS, HORMONE, metabolism/ *THYROXINE, blood

3415. **Saidapur SK:** Steroidogenic cellular sites in the cat ovary: a histochemical study. Gen Comp Endocrinol 35(4):475–80, Aug 78
ANIMAL/ CATS/ CORPUS LUTEUM, enzymology/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ ISOCITRATE DEHYDROGENASE, metabolism/ LIPIDS, metabolism/ NADP DIAPHORASE, metabolism/ NADP, metabolism/ OVARY, cytology/ OVARY, enzymology/ *OVARY, metabolism/ PREGNANCY/ 17-HYDROXYSTEROID DEHYDROGENASES, metabolism/ 3-HYDROXYSTEROID DEHYDROGENASES, metabolism

3416. **Saito H, Shitomi K, Hurukawa Y, et al:** [Cadmium nephropathy--chornic cadmium poisoning, renal lesions in so-called 'Itai-itai' disease, and osteomalacia] Nippon Rinsho 36(10):3431–8, Oct 78 **(Jpn)**
AGED/ BONE AND BONES, pathology/ CADMIUM POISONING, complications/ *CADMIUM POISONING, pathology/ FEMALE/ HUMAN/ *KIDNEY DISEASES, chemically induced/ *KIDNEY, pathology/ MALE/ MIDDLE AGE/ *OSTEOMALACIA, chemically induced

3417. **Saito Y, Matsuoka N, Shirai K, et al:** Effects of adrenergic blocking agents on lipolysis and adenyl cyclase activity induced by vasoactive intestinal polypeptide (VIP). Endocrinol Jpn 25(4):403–5, Aug 78
*ADENYL CYCLASE, metabolism/ ADIPOSE TISSUE, enzymology/ *ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ *GASTROINTESTINAL HORMONES, pharmacodynamics/ *LIPIDS, metabolism/ MALE/ *PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *VASOACTIVE INTESTINAL PEPTIDE, pharmacodynamics

3418. **Saito Y, Nakauchi M, Yoshida H, et al:** [Detection of heterozygote of congenital adrenal hyperplasia] Horumon To Rinsho 26(11):1126–9, Nov 78 **(Jpn)**
*ADRENAL GLAND HYPERFUNCTION, familial & genetic/ ADULT/ CHILD/ CORTICOTROPIN, diagnostic use/ *CORTODOXONE, blood/ FEMALE/ HETEROZYGOTE/ HUMAN/ *HYDROXYPROGESTERONES, blood/ ISOMERISM/ MALE/ *17-HYDROXYCORTICOSTEROIDS, blood

3419. **Saitoh Y, Irie Y, Hosokawa T, et al:** Evaluation of a new beta-adrenoceptor agonist, procaterol, based on metabolic responses in rats. Biochem Pharmacol 27(21):2531–5, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADRENAL MEDULLA, drug effects/ *ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ *AMINO ALCOHOLS, pharmacodynamics/ ANIMAL/ BLOOD SUGAR, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCERIN, blood/ HYDROXYQUINOLINES, pharmacodynamics/ INSULIN, blood/ LACTATES, blood/ MALE/ *METABOLISM, drug effects/ RATS/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

3420. **Sakakura M, Yoshioka M, Takebe K:** The effect of prednisolone and metyrapone on FSH release induced by the administration of LRH. Endocrinol Jpn 25(4):335–9, Aug 78
ADMINISTRATION, ORAL/ ADULT/ FEMALE/ *FSH, blood/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ LH-FSH RELEASING HORMONE, administration & dosage/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ *METYRAPONE, pharmacodynamics/ MIDDLE AGE/ *PREDNISOLONE, pharmacodynamics/ 17-HYDROXYCORTICOSTEROIDS, urine

3421. **Sakatoku J:** [Diagnosis and treatment of male infertility (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(9):1147, Sep 78 **(Jpn)**
ANIMAL/ HUMAN/ MALE/ RATS/ *STERILITY, MALE, diagnosis/ STERILITY, MALE, drug therapy/ TESTOSTERONE, therapeutic use

3422. **Saksela E:** Paraneoplastisten ilmiöiden solubiologinen tausta. Duodecim 94(22):1374–6, 1978 **(Fin)**
ANIMAL/ FROGS/ HORMONES, ECTOPIC, biosynthesis/ HORMONES, ECTOPIC, secretion/ HUMAN/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism

3423. **Saksena SK, Lau IF:** Prostaglandin F2alpha induced termination of pregnancy and its reversal by prolactin or progesterone in rats. Prostaglandins Med 1(3):201–6, Sep 78
*ABORTIFACIENT AGENTS/ *ABORTIFACIENT AGENTS, NON-STEROIDAL/ ANIMAL/ DELAYED-ACTION PREPARATIONS/ FEMALE/

GESTATIONAL AGE/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ *PROLACTIN, pharmacodynamics/ PROSTAGLANDINS F, administration & dosage/ PROSTAGLANDINS F, antagonists & inhibitors/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS

3424. **Saksena SK, Lau IF, Chang MC:** Effects of prostaglandin-F2alpha on some reproductive parameters of fertile male rats. Prostaglandins Med 1(2):107-15, Aug 78
ANIMAL/ DRUG IMPLANTS/ FERTILITY, drug effects/ GENITALIA, MALE, drug effects/ MALE/ ORGAN WEIGHT, drug effects/ PROGESTERONE, blood/ PROSTAGLANDINS F, administration & dosage/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ *REPRODUCTION, drug effects/ SPERMATOZOA, drug effects/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3425. **Salakhova NS, Saipov TD, Turakulova FIa, et al:** Metabolizm tireoidnykh gormonov i funktsional'naia aktivnost' shchitovidnoĭ zhelezy materi i ploda. Ontogenez 9(6):594-600, 1978 (Eng. Abstr.) **(Rus)**
ANIMAL/ BLOOD PROTEINS, metabolism/ COMPARATIVE STUDY/ DIIODOTYROSINE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ IODINE, blood/ LIVER, metabolism/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ PROTEIN BINDING/ RATS/ *THYROID GLAND, physiology/ *THYROID HORMONES, metabolism/ THYROXINE, metabolism

3426. **Saland LC:** Effects of reserpine administration on the fine structure of the rat pars intermedia. Cell Tissue Res 194(1):115-23, 9 Nov 78
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ FREEZE FRACTURING/ GOLGI APPARATUS, ultrastructure/ MALE/ *PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, ultrastructure/ RATS/ *RESERPINE, pharmacodynamics

3427. **Salariya EM, Easton PM, Cater JI:** Duration of breast-feeding after early initiation and frequent feeding. Lancet 2(8100):1141-3, 25 Nov 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ *BREAST FEEDING/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, administration & dosage/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ *LACTATION/ MOTHER-CHILD RELATIONS/ PREGNANCY/ TIME FACTORS/ WEANING

3428. **Saller CF, Stricker EM:** Decreased gastrointestinal motility in rats after parenteral injection of p-chlorophenylalanine. J Pharm Pharmacol 30(10):646-7, Oct 78
P-CHLOROPHENYLALANINE, administration & dosage/ *P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BRAIN CHEMISTRY, drug effects/ DEPRESSION, CHEMICAL/ *GASTROINTESTINAL MOTILITY, drug effects/ GASTROINTESTINAL SYSTEM, drug effects/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, SUBCUTANEOUS/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3429. **Salomon Y, Amir Y, Azulai R, et al:** Modulation of adenylate cyclase activity by sulfated glycosaminoglycans. I. Inhibition by heparin of gonadotrophin-stimulated ovarian adenylate cyclase. Biochim Biophys Acta 544(2):262-72, 1 Dec 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ ENZYME ACTIVATION, drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, metabolism/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GONADOTROPINS, EQUINE, pharmacodynamics/ *HEPARIN, pharmacodynamics/ KINETICS/ LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, enzymology/ RATS/ RECEPTORS, HORMONE, drug effects/ RECEPTORS, HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED

3430. **Salzman EW:** Platelets, prostaglandins, and cyclic nucleotides. pp. 227-38.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (52 ref.)
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ASPIRIN, pharmacodynamics/ *BLOOD PLATELETS, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ MONOGRAPH/ PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ REVIEW

3431. **Samoĭlov VO, Solov'ev VN, Kozhemiakin LA, et al:** Rol' sistemy tsAMF v mekhanizmakh vkusovoĭ retseptsii. Dokl Akad Nauk SSSR 241(6):1478-80, 1978 **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ CAFFEINE, pharmacodynamics/ FLAVOPROTEINS, metabolism/ FROGS/ NAD, metabolism/ TASTE BUDS, drug effects/ TASTE BUDS, metabolism/ *TASTE BUDS, physiology/ *TASTE, physiology

3432. **Sampson J, Town C, Gross J:** Cyclic AMP and the control of aggregative phase gene expression in Dictyostelium discoideum. Dev Biol 67(1):54-64, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ DICTYOSTELIUM, drug effects/ *DICTYOSTELIUM, physiology/ GLYCOGEN PHOSPHORYLASE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ KINETICS/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3433. **Sanborn BM, Steinberger A, Meistrich ML, et al:** Androgen binding sites in testis cell fractions as measured by a nuclear exchange assay. J Steroid Biochem 6(11-12):1459-65, Nov-Dec 75
ANIMAL/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ ESTRADIOL, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ PROGESTERONE, pharmacodynamics/ RATS/ RECEPTORS, ANDROGEN, drug effects/ *RECEPTORS, ANDROGEN, metabolism/ *RECEPTORS, STEROID, metabolism/ SPERMATOZOA, physiology/ TESTIS, drug effects/ *TESTIS, metabolism/ TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3434. **Sánchez Casado E, Juárez Fernández C, Martínez González JL, et al:** Consideraciones en torno al problema de la hipokalemia por glucocorticoides. A propósito de una observación personal. Rev Clin Esp 150(3-4):197-200, Aug 78 **(Spa)**
ADMINISTRATION, ORAL/ ADOLESCENCE/ BETAMETHASONE, administration & dosage/ *BETAMETHASONE, adverse effects/ CASE REPORT/ DERMATITIS, drug therapy/ HUMAN/ *HYPOKALEMIA, chemically induced/ MALE

3435. **Sane SY:** Thecoma of the ovary with uterine myomatosis. J Postgrad Med 24(3):193-4, Jul 78
CASE REPORT/ FEMALE/ HUMAN/ *LEIOMYOMA, complications/ MIDDLE AGE/ *OVARIAN NEOPLASMS, complications/ *THECA CELL TUMOR, complications/ *UTERINE NEOPLASMS, complications

3436. **Sanford CF, Griffin EE, Wildenthal K:** Synthesis and degradation of myocardial protein during the development and regression of thyroxine-induced cardiac hypertrophy in rats. Circ Res 43(5):688-94, Nov 78
AMINO ACIDS, metabolism/ ANIMAL/ BODY WEIGHT/ CYCLOHEXIMIDE, pharmacodynamics/ HEART ENLARGEMENT, chemically induced/ *HEART ENLARGEMENT, metabolism/ *HYPERTHYROIDISM/ HYPERTHYROIDISM, chemically induced/ *HYPERTHYROIDISM, complications/ MALE/ *MUSCLE PROTEINS, biosynthesis/ MUSCLE PROTEINS, metabolism/ *MYOCARDIUM, metabolism/ ORGAN WEIGHT/ PERFUSION/ RATS/ *THYROXINE/ THYROXINE, administration & dosage/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3437. **Sankalé M, Sow AM, Diop B, et al:** Les hyperthyroïdies du noir Africain (a propos de 87 cas personnels observés a Dakar). Afr J Med Med Sci 7(2):71-8, Jun 78 **(Fre)**

ADOLESCENCE/ ADULT/ AFRICA/ AGE FACTORS/ AGED/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GOITER, occurrence/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *HYPERTHYROIDISM, occurrence/ HYPERTHYROIDISM, therapy/ HYPOTHYROIDISM, occurrence/ INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ NEGROID RACE/ PREGNANCY/ SENEGAL/ THYROXINE, blood/ UGANDA

3438. **Sankalé M, Sow AM, Tounkara-Faye S:** La pathologie cortico-surrénalienne chez le noir africain (a propos de 29 cas, dont sept personnels). Afr J Med Med Sci 7(2):93-8, Jun 78 **(Fre)**
*ADDISON'S DISEASE, occurrence/ ADOLESCENCE/ ADRENAL CORTEX DISEASES, diagnosis/ *ADRENAL CORTEX DISEASES, occurrence/ ADRENAL GLAND HYPERFUNCTION, occurrence/ ADRENAL GLAND HYPOFUNCTION, occurrence/ ADULT/ AFRICA/ *CUSHING'S SYNDROME, occurrence/ FEMALE/ HUMAN/ HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ NEGROID RACE/ SENEGAL/ TUBERCULOSIS, complications

3439. **Sankalé M, Sow AM, Bao O, et al:** Le syndrome de Sheehan en Afrique noire (a propos de neuf cas, dont cinq personnels). Afr J Med Med Sci 7(2):65-9, Jun 78 **(Fre)**
ADRENAL CORTEX HORMONES, therapeutic use/ AFRICA/ AGE FACTORS/ FEMALE/ HEMORRHAGE, POSTPARTUM, complications/ HUMAN/ HYPOGLYCEMIA, complications/ HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, drug therapy/ *HYPOPITUITARISM, occurrence/ NEGROID RACE/ PARITY/ PREGNANCY/ SENEGAL/ THYROXINE, therapeutic use

3440. **Sankalé M, Sow AM, Tounkara-faye S:** La pathologie cortico-surrénalienne chez le Noir africain (à propos de 29 cas, dont 7 personnels).
Bull Soc Med Afr Noire Lang Fr 23(3):252-61, 1978 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ *ADRENAL GLAND DISEASES, occurrence/ *ADRENAL GLAND HYPERFUNCTION, occurrence/ ADRENAL GLAND HYPOFUNCTION, occurrence/ ADULT/ AFRICA/ *BLACKS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE

3441. **Sankalé M, Sow AM, Diop B, et al:** Les hyperthyroïdies chez le Noir africain (à propos de 87 cas personnels observés au Sénégal). Bull Soc Med Afr Noire Lang Fr 23(3):223-32, 1978 (Eng. Abstr.) **(Fre)**
ADOLESCENCE/ ADULT/ *BLACKS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ *HYPERTHYROIDISM, occurrence/ HYPERTHYROIDISM, therapy/ MALE/ MIDDLE AGE/ SENEGAL

3442. **Sann L, David L, Bernheim J, et al:** Hypophosphatemia and hyperparathyroidism in a case of Bartter's syndrome.
Helv Paediatr Acta 33(3):299-310, Aug 78
ADOLESCENCE/ ALKALOSIS, etiology/ *BARTTER'S DISEASE, complications/ CASE REPORT/ HUMAN/ *HYPERALDOSTERONISM, complications/ *HYPERPARATHYROIDISM, complications/ HYPOKALEMIA, etiology/ *HYPOPHOSPHATASIA, complications/ MALE/ POTASSIUM CHLORIDE, therapeutic use/ RENIN, blood/ SODIUM CHLORIDE, therapeutic use/ SPIRONOLACTONE, therapeutic use/ VITAMIN D, therapeutic use

3443. **Sann L, Ruitton A, Mathieu M, et al:** Effect of intravenous hydrocortisone administration on glucose homeostasis in small for gestational age infants. Acta Paediatr Scand (1):113-8, Jan 79
ALANINE, pharmacodynamics/ BLOOD SUGAR, analysis/ *GLUCONEOGENESIS, drug effects/ *GLUCOSE, metabolism/ HOMEOSTASIS, drug effects/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, therapeutic use/ *HYPOGLYCEMIA, drug therapy/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, drug therapy/ *INFANT, SMALL FOR GESTATIONAL AGE/ INJECTIONS, INTRAVENOUS/ LACTATES, blood/ PREGNANCY/ PYRUVATES, blood

3444. **Santaniello E, Hadd HE, Caspi E:** Preparation of 19-hydroxypregnenolone 3-acetate and 3-methyl ether.
J Steroid Biochem 6(11-12):1505-8, Nov-Dec 75
CHEMISTRY/ CHROMATOGRAPHY, GAS/ *HYDROXYPREGNENOLONE, analogs & derivatives/ HYDROXYPREGNENOLONE, chemical synthesis/ ISOMERISM/ NUCLEAR MAGNETIC RESONANCE/ SPECTROPHOTOMETRY, INFRARED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3445. **Santer RM, Lever JD, Davies TW:** X-ray microanalysis in biogenic amine detection in the sympatho-chromaffin system. pp. 29-36.
In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.
ADRENAL MEDULLA, analysis/ ANIMAL/ *BIOGENIC AMINES, analysis/ *ELECTRON PROBE MICROANALYSIS/ ELECTRON PROBE MICROANALYSIS, methods/ LEVODOPA, pharmacodynamics/ MONOGRAPH/ RATS/ *SYMPATHETIC NERVOUS SYSTEM, analysis

3446. **Santiago-Delpín EA, Vivoni V, Suárez A, et al:** Protection of organs during experimental ischemia.
Surg Gynecol Obstet 147(5):740-4, Nov 78
AMPICILLIN, pharmacodynamics/ AMPICILLIN, therapeutic use/ ANIMAL/ CHLORPHENIRAMINE, pharmacodynamics/ CHLORPHENIRAMINE, therapeutic use/ DOGS/ HINDLIMB, blood supply/ HINDLIMB, drug effects/ HINDLIMB, surgery/ *INTESTINE, SMALL, blood supply/ INTESTINE, SMALL, drug effects/ *ISCHEMIA/ ISCHEMIA, prevention & control/ METHYLPREDNISOLONE, pharmacodynamics/ METHYLPREDNISOLONE, therapeutic use/ MODELS, BIOLOGICAL/ *ORGAN PRESERVATION/ PHENYTOIN, pharmacodynamics/ PHENYTOIN, therapeutic use/ RABBITS/ RATS/ REIMPLANTATION/ *TISSUE PRESERVATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3447. **Santruček M, Dolejší V:** Duální klasifikace nemocí.
Circ Shock 117(34):1057-60, 25 Aug 78 (Eng. Abstr.) **(Cze)**
BACTERIAL INFECTIONS, classification/ *DISEASE, classification/ ENDOCRINE DISEASES, classification/ ENGLISH ABSTRACT/ HUMAN/ INTERNATIONAL COOPERATION/ NEOPLASMS, classification

3448. **Saper CB, Swanson LW, Cowan WM:** The efferent connections of the anterior hypothalamic area of the rat, cat and monkey.
J Comp Neurol 182(4):575-99, 15 Dec 78
ANIMAL/ BRAIN MAPPING/ CATS/ COMPARATIVE STUDY/ *HYPOTHALAMUS, anatomy & histology/ *HYPOTHALAMUS, ANTERIOR, anatomy & histology/ MONKEYS/ NEURAL PATHWAYS/ NEURONS, EFFERENT/ RATS/ SPECIES SPECIFICITY/ SQUIRREL MONKEYS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3449. **Sárkány J:** A nemek közötti különbségek néhány biológiai vonatkozásáról. Orv Hetil 119(47):2855-61, 19 Nov 78 **(Hun)**
BIRTH RATE/ BIRTH WEIGHT/ COMPARATIVE STUDY/ DEMOGRAPHY/ EUROPE/ FEMALE/ FETAL DEATH/ GENOTYPE/ HUMAN/ HUNGARY/ INFANT MORTALITY/ INFANT, NEWBORN/ MALE/ MORTALITY/ PHENOTYPE/ SEX DIFFERENTIATION/ *SEX FACTORS/ SEX HORMONES, physiology/ UNITED STATES

3450. **Sarna GS, Bradbury MW, Cremer JE, et al:** Brain metabolism and specific transport at the blood-brain barrier after portocaval anastomosis in the rat. Brain Res 160(1):69-83, 5 Jan 79
AMMONIA, blood/ ANIMAL/ BLOOD SUGAR, metabolism/ *BLOOD-BRAIN BARRIER/ *BRAIN, metabolism/ BUTYRATES, blood/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ FATTY ACIDS, VOLATILE, blood/ HIPPOCAMPUS, metabolism/ HYPOTHALAMUS, metabolism/ MALE/ *PORTACAVAL ANASTOMOSIS/ PYRUVATES, blood/ RATS

3451. **Saroff J, Kirdani RY, Chu TM, et al:** Measurements of prolactin

and androgens in patients with prostatic disease.
Surg Forum 28:568–9, 1977
ADULT/ AGED/ *ANDROGENS, blood/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PROLACTIN, blood/ *PROSTATIC DISEASES, blood/ PROSTATIC HYPERTROPHY, blood/ PROSTATIC NEOPLASMS, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3452. **Sarosiek J, Bernacka K, Maciejewska J, et al:** Chłoniak złośliwy z zajęciem mięśnia sercowego i wytrzeszczem postępującym.
Pol Tyg Lek 33(49):1891–2, 4 Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ *EXOPHTHALMOS, pathology/ *HEART NEOPLASMS, pathology/ HUMAN/ *LYMPHOMA, pathology/ MALE/ *ORBITAL NEOPLASMS, pathology

3453. **Sarzala MG, Michalak M:** Studies on the heterogeneity of sarcoplasmic reticulum vesicles. Biochim Biophys Acta 513(2):221–35, 2 Nov 78
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ CALCIUM, metabolism/ CELL-FREE SYSTEM/ LIPIDS, analysis/ MEMBRANE PROTEINS, analysis/ MUSCLE PROTEINS, analysis/ MUSCLES, ultrastructure/ PHOSPHOLIPASE, metabolism/ RABBITS/ SARCOPLASMIC RETICULUM, analysis/ SARCOPLASMIC RETICULUM, metabolism/ *SARCOPLASMIC RETICULUM, ultrastructure/ TRINITROBENZENESULFONIC ACID

3454. **Sasaki M, Keenan TW:** Membranes of mammary gland--XVIII. 2-Deoxy-D-glucose and 5-thio-D-glucose decrease lactose content, inhibit secretory maturation and depress protein synthesis and secretion in lactating rat mammary gland.
Int J Biochem 9(8):579–88, 1978
ANIMAL/ DEOXYGLUCOSE, pharmacodynamics/ FEMALE/ *GLUCOSE, analogs & derivatives/ GLUCOSE, pharmacodynamics/ *LACTATION/ LACTATION, drug effects/ *LACTOSE, metabolism/ MAMMAE, drug effects/ *MAMMAE, metabolism/ MAMMAE, secretion/ MAMMAE, ultrastructure/ *MILK PROTEINS, biosynthesis/ MILK PROTEINS, secretion/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3455. **Sasaki T, Matsubara K, Ohno A, et al:** [The clinical application and evaluation of radiological examinations for the various lesions of the adrenal gland (author's transl)]
Rinsho Hoshasen 23(12):1373–9, Nov 78 (Eng. Abstr.) **(Jpn)**
*ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND DISEASES, radionuclide imaging/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, radionuclide imaging/ ADULT/ CUSHING'S SYNDROME, radiography/ CUSHING'S SYNDROME, radionuclide imaging/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, radiography/ HYPERALDOSTERONISM, radionuclide imaging/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, radiography/ PHEOCHROMOCYTOMA, radionuclide imaging

3456. **Sasaki Y, Kodaira R, Nozawa R, et al:** Inhibitory effect of 8-substituted adenosine derivatives on Ca++ and modulator protein-dependent phosphodiesterase activity.
Biochem Biophys Res Commun 84(2):277–84, 29 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/ *ADENOSINE, analogs & derivatives/ ADENOSINE, pharmacodynamics/ *CALCIUM/ CALCIUM, pharmacodynamics/ CIRCULAR DICHROISM/ PROTEIN BINDING/ PROTEIN CONFORMATION/ STRUCTURE-ACTIVITY RELATIONSHIP/ *3',5'-CYCLIC AMP PHOSPHODIESTERASE/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3457. **Sassard J, Vincent M, Renaud B, et al:** Un modèle d'hypertension artérielle génétiquement déterminée. Rôle de la fonction thyroïdienne. Ann Endocrinol (Paris) 39(3):243–4, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ *DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ *HYPERTENSION, familial & genetic/ HYPERTENSION, physiopathology/ MALE/ RATS/ RATS, INBRED STRAINS/ REFERENCE STANDARDS/ *THYROID GLAND, physiopathology

3458. **Sassier P, Bergeron M:** Specific inhibition of cell proliferation in the mouse intestine by an aqueous extract of rabbit colon.
Cell Tissue Kinet 11(6):641–50, Nov 78
ANIMAL/ CELL DIVISION/ *COLON/ COLON, cytology/ COLON, metabolism/ DNA, biosynthesis/ INTESTINAL MUCOSA/ *JEJUNUM, cytology/ JEJUNUM, metabolism/ KIDNEY/ MICE/ RABBITS/ TESTIS/ *TISSUE EXTRACTS, pharmacodynamics

3459. **Sataline L, Pelliccia O:** Inflammatory oncotaxis [letter]
JAMA 240(22):2434, 24 Nov 78
*ADENOCARCINOMA, pathology/ ADULT/ CASE REPORT/ CHOLECYSTECTOMY, adverse effects/ *CICATRIX, complications/ CICATRIX, pathology/ CYSTADENOMA, MUCINOUS, pathology/ FEMALE/ GALLBLADDER NEOPLASMS, pathology/ HUMAN/ INFLAMMATION/ INTESTINAL NEOPLASMS, pathology/ *NEOPLASMS, etiology/ NEOPLASMS, MULTIPLE PRIMARY/ OVARIAN NEOPLASMS, pathology

3460. **Sato E, Miyamoto H, Ishibashi T, et al:** Identification, purification and immunohistochemical detection of the inhibitor from porcine ovarian follicular fluid to compensatory ovarian hypertrophy in mice.
J Reprod Fertil 54(2):263–7, Nov 78
ANIMAL/ CHROMATOGRAPHY, GEL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ EXTRACELLULAR SPACE, analysis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GRAAFIAN FOLLICLE, analysis/ MICE/ OVARY, drug effects/ *OVARY, physiology/ SWINE

3461. **Sato M, Hikasa N, Otsuki S:** [Effects of nomifensine and imipramine on amygdaloid kindled convulsion--inhibitory effects of dopamine on epileptic seizure (author's transl)]
Seishin Shinkeigaku Zasshi 80(7):425–8, Jul 78 **(Jpn)**
AMYGDALOID BODY, physiology/ ANIMAL/ CATS/ *CONVULSIONS, physiopathology/ *DOPAMINE, physiology/ ELECTRIC STIMULATION/ *IMIPRAMINE, pharmacodynamics/ *ISOQUINOLINES, pharmacodynamics/ *NOMIFENSINE, pharmacodynamics

3462. **Saudek CD, Brach EL:** Cholesterol metabolism in diabetes. I. The effect of diabetic control on sterol balance. Diabetes 27(11):1059–64, Nov 78
ADULT/ AGED/ BILE ACIDS AND SALTS, metabolism/ BLOOD SUGAR, metabolism/ BODY WEIGHT/ *CHOLESTEROL, blood/ CHYLOMICRONS, blood/ DIABETES MELLITUS, drug therapy/ *DIABETES MELLITUS, metabolism/ FECES, analysis/ FEMALE/ HUMAN/ INSULIN, therapeutic use/ MALE/ MIDDLE AGE/ STEROIDS, metabolism/ TRIGLYCERIDES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3463. **Saur K, Dambe LT, Schweiberer L:** Experimentelle Untersuchungen zum Einbau autologer Spongiosa in die Compacta des Röhrenknochens.
Arch Orthop Trauma Surg 92(2–3):211–9, 30 Aug 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ BONE MATRIX, physiology/ CALCIFICATION, PHYSIOLOGIC/ DOGS/ ENGLISH ABSTRACT/ FEMUR, blood supply/ *FEMUR, surgery/ MICROCIRCULATION/ *RADIUS, transplantation/ TRANSPLANTATION, AUTOLOGOUS/ WOUND HEALING

3464. **Savage MO, Grant DB:** The incomplete male.
Arch Dis Child 53(9):701–3, Sep 78 (21 ref.)
FEMALE/ GONADOTROPINS, deficiency/ HERMAPHRODITISM, drug therapy/ *HERMAPHRODITISM, etiology/ HUMAN/ MALE/ RECEPTORS, ANDROGEN, physiology/ REVIEW/ TESTICULAR FEMINIZATION/ TESTIS, enzymology/ TESTOSTERONE 5-ALPHA-REDUCTASE, deficiency/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, therapeutic use

3465. **Savina EA:** Morfologicheskoe issledovanie nadpochechnikov krys posle poleta na biosputnikakh 'Kosmos-605' i 'Kosmos-782'. Arkh Anat Gistol Embriol 75(9):30–6, Sep 78 (Eng. Abstr.) **(Rus)**
ACUTE DISEASE/ ADRENAL CORTEX,

metabolism/ *ADRENAL GLANDS, pathology/ ADRENAL MEDULLA, metabolism/ ANIMAL/ CATECHOLAMINES, metabolism/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ LIPIDS, metabolism/ RATS/ *SPACE FLIGHT/ *STRESS, etiology/ TIME FACTORS/ WEIGHTLESSNESS

3466. **Savitskiĭ GA:** Analiz rezul'tatov dlitel'noĭ terapii éstrogenami bol'nykh s disgeneziei gonad. Akush Ginekol (Mosk) (10):41–4, 1978 (Eng. Abstr.) **(Rus)**
BREAST, drug effects/ CASTRATION/ CLINICAL RESEARCH/ DRUG EVALUATION/ ENGLISH ABSTRACT/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PSEUDOHERMAPHRODITISM, drug therapy/ TIME FACTORS/ *TURNER'S SYNDROME, drug therapy/ UTERUS, drug effects

3467. **Saxén E, Franssila K, Bjarnason O, et al:** Observer variation in histologic classification of thyroid cancer.
Acta Pathol Microbiol Scand [A] 86A(6):483–6, Nov 78
*ADENOCARCINOMA, pathology/ *CARCINOMA, pathology/ *CARCINOMA, PAPILLARY, pathology/ FEMALE/ HUMAN/ ICELAND/ MALE/ SCANDINAVIA/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, pathology

3468. **Scarpa F, Malaponte E:** La laparoscopia e la biopsia ovarica come studio della funzione ovarica nelle amenorree primarie e secondarie. Minerva Ginecol 30(10):871–80, Oct 78 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ ADULT/ *AMENORRHEA, diagnosis/ AMENORRHEA, pathology/ *BIOPSY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, pathology/ *OVARIAN FUNCTION TESTS/ OVARY, pathology/ *PERITONEOSCOPY

3469. **Schacht CJ, Foote RH:** Progesterone–induced asynchrony and embryo mortality in rabbits. Biol Reprod 19(3):534–9, Oct 78
ANIMAL/ *EMBRYO, drug effects/ EMBRYO, physiology/ FEMALE/ *FETAL DEATH, chemically induced/ NIDATION/ PREGNANCY/ *PROGESTERONE, pharmacodynamics/ PSEUDOPREGNANCY/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTEROGLOBIN, physiology/ *UTERUS, drug effects/ UTERUS, physiology

3470. **Schacht U, Leven M:** Synaptosomes and brain slices as in vitro models for the characterization of antidepressant drugs. pp. 17–35.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
AMPHETAMINE, pharmacodynamics/ ANIMAL/ *BRAIN, drug effects/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ DEXTROAMPHETAMINE, metabolism/ DOPAMINE, antagonists & inhibitors/ DOPAMINE, metabolism/ DOSE–RESPONSE RELATIONSHIP, DRUG/ HYPOTHALAMUS, metabolism/ IN VITRO/ *ISOQUINOLINES, pharmacodynamics/ METHYLPHENIDATE, pharmacodynamics/ MONOGRAPH/ NOMIFENSINE, metabolism/ *NOMIFENSINE, pharmacodynamics/ NOREPINEPHRINE, antagonists & inhibitors/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ *SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ *TISSUE CULTURE

3471. **Schade DS, Eaton RP:** The metabolic response to norepinephrine in normal versus diabetic man. Diabetologia 15(6):433–9, Dec 78
ADULT/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ DIABETES MELLITUS, blood/ *DIABETES MELLITUS, metabolism/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCAGON, blood/ GROWTH SUBSTANCES, blood/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, secretion/ KETONE BODIES, blood/ MALE/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ SECRETORY RATE, drug effects/ TRIGLYCERIDES, blood

3472. **Schams D, Gombe S, Schallenberger E, et al:** Relationships between short–term variations of LH, FSH, prolactin and testosterone in peripheral plasma of prepubertal bulls.
J Reprod Fertil 54(1):145–8, Sep 78
ANIMAL/ *CATTLE, blood/ *FSH, blood/ *LH, blood/ MALE/ PERIODICITY/ *PROLACTIN, blood/ *SEX MATURATION/ *TESTOSTERONE, blood

3473. **Schanbacher BD:** Fertility of rams chronically treated with gonadotropin releasing hormone during the nonbreeding season. Biol Reprod 19(3):661–5, Oct 78
ANIMAL/ EPIDIDYMIS, drug effects/ FEMALE/ *FERTILITY, drug effects/ MALE/ *PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ SEASONS/ SEX BEHAVIOR, ANIMAL, drug effects/ *SHEEP, physiology/ SPERMATOGENESIS, drug effects/ SPERMATOZOA, drug effects/ TESTIS, drug effects/ TESTOSTERONE, blood

3474. **Schane HP, Creange JE, Anzalone AJ, et al:** Interceptive activity of azastene in rhesus monkeys. Fertil Steril 30(3):343–7, Sep 78
*ABORTIFACIENT AGENTS, pharmacodynamics/ *ABORTIFACIENT AGENTS, STEROIDAL, pharmacodynamics/ *ANDROSTENOLS, pharmacodynamics/ ANIMAL/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYDROCORTISONE, blood/ ISOXAZOLES, pharmacodynamics/ MENSTRUATION, drug effects/ MONKEYS/ *PREGNANCY, ANIMAL, drug effects/ *PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ RHESUS MONKEYS

3475. **Schauer K:** Der 'kalte' Knoten im Schilddrüsenszintigramm––eine Operationsindikation? Zentralbl Chir 103(19):1282–5, 1978 **(Ger)**
ADENOCARCINOMA, radionuclide imaging/ ADULT/ AGED/ CARCINOMA, occurrence/ *CARCINOMA, radionuclide imaging/ CARCINOMA, surgery/ CARCINOMA, PAPILLARY, radionuclide imaging/ FEMALE/ GERMANY, EAST/ HUMAN/ MALE/ MIDDLE AGE/ SARCOMA, radionuclide imaging/ THYROID NEOPLASMS, occurrence/ *THYROID NEOPLASMS, radionuclide imaging/ THYROID NEOPLASMS, surgery

3476. **Schearer SB:** Current efforts to develop male hormonal contraception. Stud Fam Plann 9(8):229–31, Aug 78
*ANDROGENS, SYNTHETIC/ ANDROGENS, SYNTHETIC, adverse effects/ BODY WEIGHT/ *CONTRACEPTIVE AGENTS, MALE/ CONTRACEPTIVE AGENTS, MALE, adverse effects/ GYNECOMASTIA, etiology/ HUMAN/ MALE/ *PROGESTATIONAL HORMONES, SYNTHETIC/ PROGESTATIONAL HORMONES, SYNTHETIC, adverse effects/ SEX DISORDERS, etiology/ SPERMATOGENESIS/ TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, adverse effects

3477. **Schechter RJ:** Ptosis with contralateral lid retraction due to excessive innervation of the levator palpebrae superiorus. Ann Ophthalmol 10(10):1324–8, Oct 78
ADENOMA, CHROMOPHOBE, complications/ ADULT/ *BLEPHAROPTOSIS, etiology/ CASE REPORT/ DIPLOPIA, complications/ EYELID DISEASES, diagnosis/ *EYELID DISEASES, etiology/ *EYELIDS, innervation/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *MUSCLES, innervation/ MYASTHENIA GRAVIS, complications/ PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3478. **Schenk WG 3d, Moylan JA:** Effect of parenteral amino acid solution administration on calcium balance following trauma. Surg Forum 28:73–5, 1977
ADULT/ *AMINO ACIDS, administration & dosage/ AMINO ACIDS, therapeutic use/ CALCIUM, administration & dosage/ *CALCIUM, metabolism/ HUMAN/ HYPOCALCEMIA, etiology/ HYPOCALCEMIA, prevention & control/ MALE/ *PARENTERAL FEEDING/ *PARENTERAL HYPERALIMENTATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WOUNDS AND INJURIES, metabolism

3479. **Schenker JG, Weinstein D:** Ovarian hyperstimulation syndrome: a current survey. Fertil Steril 30(3):255–68, Sep 78 (100 ref.)
DOSE–RESPONSE RELATIONSHIP, DRUG/

FEMALE/ FSH, adverse effects/ *GONADOTROPINS, adverse effects/ GONADOTROPINS, CHORIONIC, adverse effects/ HUMAN/ LH, adverse effects/ MENOTROPINS, adverse effects/ *OVARIAN DISEASES, chemically induced/ OVARIAN DISEASES, classification/ OVARIAN DISEASES, pathology/ OVULATION, drug effects/ REVIEW/ SYNDROME

3480. **Scherer GE, Walkinshaw MD, Arnott S:** A computer aided oligonucleotide analysis provides a model sequence for RNA polymerase-promoter recognition in E.coli. Nucleic Acids Res 5(10):3759–73, Oct 78
BASE SEQUENCE/ BINDING SITES/ COMPUTERS/ *DNA, BACTERIAL, genetics/ ESCHERICHIA COLI, genetics/ *GENES, REGULATOR/ MODELS, BIOLOGICAL/ MUTATION/ NUCLEIC ACID CONFORMATION/ RECEPTORS, CYCLIC AMP, metabolism/ *RNA POLYMERASES, metabolism/ TRANSCRIPTION, GENETIC

3481. **Scherft JP:** The lamina limitans of the organic bone matrix: formation in vitro. J Ultrastruct Res 64(2):173–81, Aug 78
ANIMAL/ *BONE MATRIX, ultrastructure/ CALCIFICATION, PHYSIOLOGIC/ COMPARATIVE STUDY/ MICE/ ORGAN CULTURE/ *OSTEOGENESIS/ *RADIUS, embryology

3482. **Scherholz KP, Frommhold H, Barwig P:** Strahlenbelastung de Ovarien bei Bestrahlung der Paraaortalen, iliakalen und inguinalen Lymphknoten mit Telekobalt sowie mit Photonen der Energie 42 MeV. Strahlentherapie 154(12):844–51, Dec 78 (Eng. Abstr.) **(Ger)**
AORTA, ABDOMINAL/ CASTRATION/ COBALT RADIOISOTOPES/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ ILIAC ARTERY/ LYMPH NODES/ *OVARY, radiation effects/ *RADIOISOTOPE TELETHERAPY/ RADIOTHERAPY DOSAGE

3483. **Scherrer H, Seidah NG, Renjannet S, et al:** Biosynthesis of a ubiquitin-related peptide in rat brain and in human and mouse pituitary tumors. Biochem Biophys Res Commun 84(4):874–85, 30 Oct 78
AMINO ACID SEQUENCE/ ANIMAL/ *BRAIN, metabolism/ CORPUS STRIATUM, metabolism/ HUMAN/ HYPOTHALAMUS, metabolism/ MALE/ MICE/ *PEPTIDES, biosynthesis/ *PITUITARY NEOPLASMS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3484. **Scheve LG, Shannon LM:** The characterization of n-butanol-pseudosolubilized and trypsin-solubilized porcine thyroid iodide peroxidase. Biochim Biophys Acta 526(2):359–68, 12 Oct 78
ALCOHOLS, BUTYL/ ANIMAL/ *IODIDE PEROXIDASE, isolation & purification/ KINETICS/ LIPIDS, analysis/ MICROSOMES, enzymology/ *PEROXIDASES, isolation & purification/ SOLUBILITY/ SWINE/ TEMPERATURE/ *THYROID GLAND, enzymology/ TRYPSIN

3485. **Schiavi RC, Owen D, Fogel M, et al:** Pituitary-gonadal function in XYY and XXY men identified in a population survey. Clin Endocrinol (Oxf) 9(3):233–9, Sep 78
ADULT/ COMPARATIVE STUDY/ FERTILITY/ FSH, blood/ HUMAN/ *KLINEFELTER'S SYNDROME, physiopathology/ LH, blood/ MALE/ ORGAN WEIGHT/ *PITUITARY GLAND, physiopathology/ *SEX CHROMOSOME ABNORMALITIES, physiopathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *XYY KARYOTYPE, physiopathology

3486. **Schiff GM, Rauh JL, Young B, et al:** Rubella-vaccinated students. Follow-up in a public school system. JAMA 240(24):2635–7, 8 Dec 78
*ANTIBODIES, VIRAL, analysis/ CHILD/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ PUBERTY/ *RUBELLA VACCINE, administration & dosage/ RUBELLA VACCINE, therapeutic use/ RUBELLA VIRUS, immunology/ *RUBELLA, prevention & control/ SEX FACTORS/ TIME FACTORS

3487. **Schiff I, Wentworth B, Koos B, et al:** Effect of estriol administration on the hypogonadal woman. Fertil Steril 30(3):278–82, Sep 78
ADULT/ AGED/ CASTRATION/ ESTRIOL, administration & dosage/ ESTRIOL, pharmacodynamics/ *ESTRIOL, therapeutic use/ FEMALE/ FSH, blood/ HUMAN/ *HYPOGONADISM, drug therapy/ LH, blood/ MENOPAUSE, drug effects/ MIDDLE AGE/ VAGINA, drug effects

3488. **Schlienger JL, Jacques C, Demangeat C, et al:** Réponses anormales de TSH, PRL et GH après TRH au cours de la cirrhose évoluée. Ann Endocrinol (Paris) 39(3):245–7, 1978 (Eng. Abstr.) **(Fre)**
ENGLISH ABSTRACT/ HEPATIC COMA, physiopathology/ HUMAN/ *LIVER CIRRHOSIS, physiopathology/ *PITUITARY GLAND, physiopathology/ PROLACTIN, metabolism/ SOMATOTROPIN, metabolism/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, metabolism

3489. **Schiller PW, Yam CF, Prosmanne J:** Synthesis, opiate receptor affinity, and conformational parameters of [4-tryptophan]enkephalin analogues. J Med Chem 21(11):1110–6, Nov 78
AMINO ACID SEQUENCE/ ANIMAL/ CEREBELLUM, metabolism/ CHEMISTRY, PHYSICAL/ *ENDORPHINS, chemical synthesis/ ENERGY TRANSFER/ *ENKEPHALINS, chemical synthesis/ ENKEPHALINS, metabolism/ IN VITRO/ MALE/ MODELS, CHEMICAL/ MOLECULAR CONFORMATION/ RATS/ *RECEPTORS, NARCOTIC, metabolism/ SPECTROMETRY, FLUORESCENCE/ TRYPTOPHAN

3490. **Schillo KK, Alliston CW, Malven PV:** Plasma concentrations of luteinizing hormone and prolactin in the ovariectomized ewe during induced hyperthermia. Biol Reprod 19(2):306–13, Sep 78
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ *FEVER, blood/ HEMATOCRIT/ *LH, blood/ *PROLACTIN, blood/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3491. **Schimke RT, Pennequin P, Robins D, et al:** Effects of estrogen and progesterone on ovalbumin synthesis in the withdrawn oviduct. Ann NY Acad Sci 286:116–24, 11 Mar 77
ANIMAL/ BASE SEQUENCE/ CHICKENS/ CYCLOHEXIMIDE, pharmacodynamics/ *ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ KINETICS/ MODELS, BIOLOGICAL/ *OVALBUMIN, biosynthesis/ *OVIDUCTS, drug effects/ OVIDUCTS, metabolism/ POLYRIBOSOMES, drug effects/ POLYRIBOSOMES, metabolism/ *PROGESTERONE, pharmacodynamics/ RNA, MESSENGER, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3492. **Schindler G, Hippéli R, Longin F:** Multiples Phäochromozytom. ROEFO 129(4):454–60, Oct 78 (Eng. Abstr.) **(Ger)**
*ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, blood supply/ ADULT/ ANGIOGRAPHY/ CASE REPORT/ CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *NEOPLASMS, MULTIPLE PRIMARY, radiography/ *PHEOCHROMOCYTOMA, radiography

3493. **Schiødt AV, Kristensen O:** Neurologic complications after irradiation of malignant tumors of the testis. Acta Radiol Oncol Radiat Phys Biol 17(5):369–78, 1978
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ COBALT RADIOISOTOPES/ DYSGERMINOMA, mortality/ *DYSGERMINOMA, radiotherapy/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ MUSCULAR ATROPHY, etiology/ NEOPLASM METASTASIS/ PARALYSIS, etiology/ PARESTHESIA, etiology/ *RADIATION INJURIES/ RADIOISOTOPE TELETHERAPY, adverse effects/ RADIOTHERAPY DOSAGE/ *RADIOTHERAPY, HIGH ENERGY, adverse effects/ *SPINAL CORD DISEASES, etiology/ *SPINAL CORD, radiation effects/ TESTICULAR NEOPLASMS, mortality/ *TESTICULAR NEOPLASMS, radiotherapy

3494. **Schlabach TD, Regnier FE:** Techniques for detecting enzymes in high-performance liquid chromatography. J Chromatogr 158:347–64, 1 Oct 78
ANIMAL/ AUTOANALYSIS/

CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ CREATINE KINASE, blood/ *ENZYMES, blood/ ENZYMES, IMMOBILIZED, diagnostic use/ GLUCOSEPHOSPHATE DEHYDROGENASE, blood/ HEXOKINASE, blood/ HUMAN/ ISOENZYMES, blood/ LACTATE DEHYDROGENASE ISOENZYMES, blood/ LIVER, enzymology/ MALE/ RATS/ TESTIS, enzymology

3495. **Schlatterer B:** Das Huhn--ein biochemisch-endokrinologisches Modell. DTW 85(12):477-82, 5 Dec 78 (Eng. Abstr.)(Ger)
ANIMAL/ *CHICKENS, metabolism/ ENGLISH ABSTRACT/ ESTROGENS, metabolism/ FEMALE/ LIPIDS, metabolism/ LIPOPROTEINS, biosynthesis/ LIVER, metabolism/ MALE/ *MODELS, BIOLOGICAL/ OVIDUCTS, metabolism

3496. **Schlesinger RE, Berman ML, Ballon SC, et al:** The choice of an intestinal segment for a urinary conduit. Surg Gynecol Obstet 148(1):45-8, Jan 79
*CARCINOMA, surgery/ CERVIX NEOPLASMS, surgery/ COLON, surgery/ COLOSTOMY/ FEMALE/ *GENITAL NEOPLASMS, FEMALE, surgery/ HUMAN/ ILEUM, surgery/ MIDDLE AGE/ OVARIAN NEOPLASMS, surgery/ PELVIC EXENTERATION/ RECTAL NEOPLASMS, surgery/ *URINARY DIVERSION, methods/ UTERINE NEOPLASMS, surgery/ VAGINAL NEOPLASMS, surgery

3497. **Schlessinger J, Shechter Y, Cuatrecasas P, et al:** Quantitative determination of the lateral diffusion coefficients of the hormone-receptor complexes of insulin and epidermal growth factor on the plasma membrane of cultured fibroblasts. Proc Natl Acad Sci USA 75(11):5353-7, Nov 78
AZIDES, pharmacodynamics/ BINDING, COMPETITIVE/ CELL LINE/ CELL MEMBRANE, metabolism/ *EPIDERMAL GROWTH FACTORS, metabolism/ FIBROBLASTS, metabolism/ FLUORESCENT DYES/ *INSULIN, metabolism/ KINETICS/ *PEPTIDES, metabolism/ *RECEPTORS, HORMONE, metabolism/ *RECEPTORS, INSULIN, metabolism

3498. **Schlievert PM, Watson DW:** Group A streptococcal pyrogenic exotoxin: pyrogenicity, alteration of blood-brain barrier, and separation of sites for pyrogenicity and enhancement of lethal endotoxin shock. Infect Immun 21(3):753-63, Sep 78
*BACTERIAL TOXINS, pharmacodynamics/ BLOOD PLATELETS, drug effects/ BLOOD-BRAIN BARRIER, drug effects/ EXOTOXINS, administration & dosage/ EXOTOXINS, metabolism/ *EXOTOXINS, pharmacodynamics/ HYPOTHALAMUS, drug effects/ IMMUNITY/ LEUKOCYTE COUNT/ *PYROGENS/ *SHOCK, SEPTIC, chemically induced/ *STREPTOCOCCUS PYOGENES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3499. **Schlondorff D, Yoo P, Alpert BE:** Stimulation of adenylate cyclase in isolated rat glomeruli by prostaglandins. Am J Physiol 235(5):F458-64, Nov 78
*ADENYL CYCLASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ FLUORIDES, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ *KIDNEY GLOMERULUS, enzymology/ KIDNEY TUBULES, enzymology/ MALE/ *PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3500. **Schmidt JO, Blum MS:** The biochemical constituents of the venom of the harvester ant, Pogonomyrmex badius. Comp Biochem Physiol [C] 61C(1):239-47, 1978
ACID PHOSPHATASE, analysis/ ALKALINE PHOSPHATASE, analysis/ AMINO ACIDS, analysis/ ANIMAL/ *ANTS/ *ARTHROPOD VENOMS, analysis/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ *ENZYMES, analysis/ ESTERASES, analysis/ HEAT/ HISTAMINE, analysis/ HYALURONIDASE, analysis/ KININS, analysis/ LIPASE, analysis/ PEPTIDE HYDROLASES, analysis/ PHOSPHOLIPASE, analysis/ SEROTONIN, analysis

3501. **Schmidt MJ, Truex LL, Leonard NJ, et al:** Effect of lin-benzoadenosine and lin-benzoadenosine 3':5'-monophosphate on cyclic AMP-dependent protein kinase activity in vitro. J Cyclic Nucleotide Res 4(3):201-7, Jun 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *ADENOSINE, analogs & derivatives/ ADENOSINE, pharmacodynamics/ ANIMAL/ BRAIN, enzymology/ ENZYME ACTIVATION, drug effects/ MUSCLES, enzymology/ *PROTEIN KINASE, metabolism/ RABBITS/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3502. **Schmidt R, Pajewski M, Rosenblatt M:** Epiphysial dysplasia: a constant finding in the XXXXY syndrome. J Med Genet 15(4):282-7, Aug 78
BONE AND BONES, abnormalities/ CASE REPORT/ CHILD/ *EPIPHYSES, abnormalities/ HUMAN/ HYPOGONADISM, familial & genetic/ MALE/ *MENTAL RETARDATION, familial & genetic/ *SEX CHROMOSOME ABNORMALITIES/ *SEX CHROMOSOMES/ SYNDROME/ *X CHROMOSOME

3503. **Schmitt T, Luqman W, McCool C, et al:** Unresponsiveness to exogenous TSH in obesity. Int J Obes 1(2):185-90, 1977
ACHILLES TENDON, physiopathology/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BODY WEIGHT/ CHILD/ HUMAN/ IODINE RADIOISOTOPES, metabolism/ MIDDLE AGE/ *OBESITY, metabolism/ PROTEIN-BOUND IODINE TEST/ REFLEX/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3504. **Schneider HP:** Endocrine diagnosis in the climacteric female. Horm Res 9(6):365-78, 1978
ADULT/ ANDROSTENEDIONE, blood/ *CLIMACTERIC/ ESTRADIOL, blood/ ESTRONE, blood/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, blood/ MENOPAUSE/ MENSTRUATION/ OVARY, physiology/ *SEX HORMONES, blood/ TESTOSTERONE, blood

3505. **Schneider L, Rigaud M, Tabaste JL, et al:** HPL measurements: relationships with maternal weight gain in twin pregnancy. Prog Clin Biol Res 24 Pt C:123-8, 1978
*BODY WEIGHT/ FEMALE/ HUMAN/ ISOENZYMES, analysis/ PLACENTA, enzymology/ *PLACENTAL LACTOGEN, blood/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *PREGNANCY, MULTIPLE/ PROSPECTIVE STUDIES/ *TWINS/ TWINS, DIZYGOTIC/ TWINS, MONOZYGOTIC

3506. **Schnurmann D:** Les goitres simples. Soins 23(23):19-22, 5 Dec 78 (Fre)
*GOITER/ GOITER, ENDEMIC/ GOITER, NODULAR/ HUMAN

3507. **Schnurmann D:** Les hypothyroïdies. Soins 23(23):23-6, 28, 5 Dec 78 (Fre)
ADULT/ AGE FACTORS/ CHILD/ HUMAN/ *HYPOTHYROIDISM/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, therapy

3508. **Schölkens BA:** Antihypertensive effect of prostacyclin (PGI2) in experimental hypertension and its influence on plasma renin activity in rats. Prostaglandins Med 1(5):359-72, Nov 78
ANESTHESIA/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *ANTIHYPERTENSIVE AGENTS/ BLOOD PRESSURE, drug effects/ HYPERTENSION, enzymology/ HYPERTENSION, etiology/ *HYPERTENSION, physiopathology/ HYPERTENSION, RENAL, enzymology/ HYPERTENSION, RENAL, physiopathology/ MALE/ NOREPINEPHRINE, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RATS/ *RENIN, blood

3509. **Schorderet-Slatkine S:** Discussion paper: induction by progesterone and a 'maturation-promoting factor' of soluble proteins in Xenopus laevis oocytes in vitro. Ann NY Acad Sci 286:421-33, 11 Mar 77
ANIMAL/

CHLOROMERCURIPHENYLSULFONATE, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOPLASM, drug effects/ CYTOPLASM, metabolism/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ IN VITRO/ *OOCYTES, drug effects/ OOCYTES, metabolism/ *OOGENESIS, drug effects/ *OVUM, drug effects/ *PROGESTERONE, pharmacodynamics/ *PROTEINS, biosynthesis/ PROTEINS, pharmacodynamics/ SOLUBILITY/ XENOPUS

3510. **Schorer AE, Gerrard JM, White JG, et al:** Oral contraceptive use alters the balance of platelet prostaglandin and thromboxane synthesis. Prostaglandins Med 1(1):5–11, Jul 78
ADULT/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ MENSTRUATION/ MICROSOMES, drug effects/ MICROSOMES, metabolism/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, blood/ THROMBOXANES, biosynthesis/ *THROMBOXANES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3511. **Schorn D, Hoskinson J, Dickson RA:** Bone density and the carpal tunnel syndrome. Hand 10(2):184–6, Jun 78
ADULT/ AGED/ *BONE AND BONES, pathology/ *CARPAL TUNNEL SYNDROME, pathology/ CARPAL TUNNEL SYNDROME, surgery/ FEMALE/ HAND, physiopathology/ HUMAN/ MALE/ METACARPUS, pathology/ MIDDLE AGE

3512. **Schrader WT, Coty WA, Smith RG, et al:** Purification and properties of progesterone receptors from chick oviduct. Ann NY Acad Sci 286:64–80, 11 Mar 77
ANIMAL/ BINDING SITES/ CALCIUM, pharmacodynamics/ CHICKENS/ CHROMATIN, metabolism/ CYTOSOL, metabolism/ DNA, metabolism/ FEMALE/ MOLECULAR WEIGHT/ *OVIDUCTS, metabolism/ PROTEIN CONFORMATION/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, isolation & purification/ RECEPTORS, PROGESTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3513. **Schraibman IG:** Postoperative morbidity and mortality after bleomycin treatment [letter] Br Med J 2(6141):892–3, 23 Sep 78
*BLEOMYCIN, adverse effects/ BLEOMYCIN, therapeutic use/ HUMAN/ MALE/ *POSTOPERATIVE COMPLICATIONS, mortality/ *TESTICULAR NEOPLASMS, therapy

3514. **Schram JD:** Endometriosis after 'pelvic cleanout'. South Med J 71(11):1419–20, Nov 78
ADULT/ CASE REPORT/ *CASTRATION/ *ENDOMETRIOSIS, etiology/ *FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ *HYSTERECTOMY/ *PELVIC NEOPLASMS, etiology/ *POSTOPERATIVE COMPLICATIONS/ TIME FACTORS

3515. **Schreiber JR, Davajan V, Kletzky OA:** A case of intermittent ovarian failure. Am J Obstet Gynecol 132(6):698–9, 15 Nov 78
ADULT/ *AMENORRHEA, etiology/ CASE REPORT/ FEMALE/ FSH, blood/ GRAAFIAN FOLLICLE, physiopathology/ HUMAN/ *OVARIAN DISEASES, complications/ PROGESTERONE, diagnostic use

3516. **Schreiber V, Přibyl T, Jahodová J:** Restitution of endocrine changes after discontinuing chronic oestradiol administration in rats. Physiol Bohemoslov 27(6):505–13, 1978
ADRENAL GLANDS, drug effects/ ANIMAL/ CERULOPLASMIN, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ *PITUITARY GLAND, ANTERIOR, drug effects/ PROTEIN BINDING, drug effects/ RATS/ SEMINAL VESICLES, drug effects/ TESTIS, drug effects/ THYROXINE, metabolism/ UTERUS, drug effects

3517. **Schreiner RL, Skafish PR, Anand SK, et al:** Congenital nephrogenic diabetes insipidus in a baby girl. Arch Dis Child 53(11) Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ CASE REPORT/ *DIABETES INSIPIDUS, congenital/ DIABETES INSIPIDUS, urine/ FEMALE/ HUMAN/ INFANT/ *KIDNEY DISEASES, congenital/ KIDNEY DISEASES, urine/ VASOPRESSINS, diagnostic use

3518. **Schrey MP, Brown BL, Ekins RP:** Studies on the role of calcium and cyclic nucleotides in the control of TSH secretion. Mol Cell Endocrinol 11(3):249–64, Sep 78
*CALCIUM, physiology/ CELLS, CULTURED/ ION CHANNELS, physiology/ *NUCLEOTIDES, CYCLIC, physiology/ *PITUITARY GLAND, ANTERIOR, secretion/ POTASSIUM, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ *THYROTROPIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3519. **Schrijver G, Weinberger MH:** Hydrochlorothiazide and spironolactone in hypertension. Clin Pharmacol Ther 25(1):33–42, Jan 79
ADULT/ ALDOSTERONE, blood/ BLOOD PRESSURE, drug effects/ BLOOD SUGAR, metabolism/ BLOOD UREA NITROGEN/ CLINICAL RESEARCH/ CREATININE, blood/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, administration & dosage/ *HYDROCHLOROTHIAZIDE, therapeutic use/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ POTASSIUM, blood/ RENIN, blood/ SPIRONOLACTONE, administration & dosage/ *SPIRONOLACTONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URIC ACID, blood

3520. **Schuchardt WA Jr, Ponsky JL:** Familial polyposis and Gardner's syndrome. Surg Gynecol Obstet 148(1):97–103, Jan 79 (78 ref.)
ADOLESCENCE/ ADULT/ *BONE NEOPLASMS, familial & genetic/ CHILD/ COLONIC NEOPLASMS, diagnosis/ *COLONIC NEOPLASMS, familial & genetic/ DUODENAL NEOPLASMS, familial & genetic/ FEMALE/ HUMAN/ MALE/ MANDIBULAR NEOPLASMS, familial & genetic/ MIDDLE AGE/ OSTEOMA, familial & genetic/ POLYPS, diagnosis/ *POLYPS, familial & genetic/ REVIEW/ RISK/ *SKIN NEOPLASMS, familial & genetic/ SYNDROME/ THYROID NEOPLASMS, familial & genetic/ *TOOTH ABNORMALITIES, familial & genetic

3521. **Schuenemann B, Borghardt J, Falda Z, et al:** Reactions of blood pressure and body spaces to hemofiltration treatment. Trans Am Soc Artif Intern Organs 24:687–9, 1978
*BLOOD PRESSURE/ BODY WEIGHT/ *EXTRACELLULAR SPACE/ FILTRATION/ HEMATOCRIT/ HEMODIALYSIS/ HUMAN/ HYPERTENSION, etiology/ INULIN/ OSMOLAR CONCENTRATION/ RENIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3522. **Schuetz AW:** Induction of oocytic maturation and differentiation: mode of progesterone action. Ann NY Acad Sci 286:408–20, 11 Mar 77 (60 ref.)
AMPHIBIA/ ANIMAL/ CELL MEMBRANE, drug effects/ CELL NUCLEUS, drug effects/ CYTOPLASM, drug effects/ DESOXYCORTICOSTERONE, pharmacodynamics/ FEMALE/ FROGS/ IN VITRO/ *OOCYTES, drug effects/ OOCYTES, metabolism/ *OOGENESIS/ OOGENESIS, drug effects/ *OVUM, drug effects/ *PROGESTERONE, physiology/ RANA PIPIENS/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITELLOGENIN, metabolism

3523. **Schulak JA, Franklin W, Reckard CR:** Morphological and functional changes following intraportal islet allograft rejection: irreversibility with steroid pulse therapy. Surg Forum 28:296–9, 1977
ANIMAL/ DIABETES MELLITUS, EXPERIMENTAL, pathology/ *GRAFT REJECTION/ ISLANDS OF LANGERHANS, pathology/ *ISLANDS OF LANGERHANS, transplantation/ *LIVER, pathology/ LIVER, surgery/ MALE/ METHYLPREDNISOLONE, administration & dosage/ *METHYLPREDNISOLONE, therapeutic use/ RATS/ RATS, INBRED ACI/

TRANSPLANTATION, ALLOGENEIC

3524. **Schuler G, Plattner H, Aberer W, et al:** Particle segregation in chromaffin granule membranes by forced physical contact. Biochim Biophys Acta 513(2):244–54, 2 Nov 78
ANIMAL/ CALCIUM/ CATTLE/ CENTRIFUGATION/ CHEMISTRY, PHYSICAL/ *CHROMAFFIN GRANULES, physiology/ CHROMAFFIN GRANULES, ultrastructure/ *CHROMAFFIN SYSTEM, physiology/ EXOCYTOSIS/ FREEZE FRACTURING/ MEMBRANE FLUIDITY/ METHODS

3525. **Schultz H, Sell A, Nørgaard-Pedersen B, et al:** Serum alpha-fetoprotein and human chorionic gonadotropin as markers for the effect of postoperative radiation therapy and/or chemotherapy in testicular cancer. Cancer 42(5):2182–6, Nov 78
*ALPHA FETOPROTEINS, analysis/ ALPHA FETOPROTEINS, urine/ ANTINEOPLASTIC AGENTS, administration & dosage/ DRUG THERAPY, COMBINATION/ DYSGERMINOMA, blood/ *GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ MALE/ NEOPLASM METASTASIS, blood/ PROGNOSIS/ *TESTICULAR NEOPLASMS, blood/ TESTICULAR NEOPLASMS, therapy/ TESTICULAR NEOPLASMS, urine

3526. **Schultz J, Kleefeld G, du Moulin A:** Adenylate cyclase and phosphodiesterase from brain tissue: different stabilities during incubation of cerebral cortical slices. Experientia 34(11):1432–3, 15 Nov 78
*ADENYL CYCLASE, metabolism/ ANIMAL/ *CEREBRAL CORTEX, enzymology/ DRUG STABILITY/ GUINEA PIGS/ TIME FACTORS/ *3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3527. **Schultzberg M, Hökfelt T, Lundberg JM, et al:** Enkephalin-like immunoreactivity in nerve terminals in sympathetic ganglia and adrenal medulla and in adrenal medullary gland cells. Acta Physiol Scand 103(4):475–7, Aug 78
*ADRENAL MEDULLA, metabolism/ ANIMAL/ *ENDORPHINS, metabolism/ *ENKEPHALINS, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ *GANGLIA, AUTONOMIC, metabolism/ GUINEA PIGS/ MALE

3528. **Schulz G, Beyer J:** Grundlagen der antiphlogistischen und immunsuppressiven Therapie mit Cortico-steroiden. Dtsch Med Wochenschr 103(48):1925–30, 1 Dec 78 (41 ref.) **(Ger)**
*ADRENAL CORTEX HORMONES, therapeutic use/ CELL MEMBRANE, drug effects/ CORTICOTROPIN, therapeutic use/ CUSHING'S SYNDROME, chemically induced/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, adverse effects/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ LYSOSOMES, drug effects/ MACROPHAGES, drug effects/ PHAGOCYTOSIS, drug effects/ PREDNISOLONE, administration & dosage/ PREDNISONE, administration & dosage/ REVIEW

3529. **Schulz JI, Johnson JD, Freedman SO:** Double-blind trial comparing flunisolide and placebo for the treatment of perennial rhinitis. Clin Allergy 8(4):313–20, Jul 78
ADOLESCENCE/ ADULT/ AGED/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ FEMALE/ *FLUOCINOLONE ACETONIDE, analogs & derivatives/ FLUOCINOLONE ACETONIDE, adverse effects/ FLUOCINOLONE ACETONIDE, therapeutic use/ HAY FEVER, diagnosis/ *HAY FEVER, drug therapy/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ *PLACEBOS, therapeutic use/ SKIN TESTS/ TIME FACTORS

3530. **Schulz KD, Geiger W, del Pozo E, et al:** Pattern of sexual steroids, prolactin, and gonadotropic hormones during prolactin inhibition in normally cycling women. Am J Obstet Gynecol 132(5):561–6, 1 Nov 78
ADULT/ BODY TEMPERATURE/ *CORPUS LUTEUM, physiology/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ OVULATION/ PROGESTERONE, biosynthesis/ PROGESTERONE, blood/ PROLACTIN, blood/ *PROLACTIN, physiology/
*2-BROMOERGOCRYPTINE, pharmacodynamics

3531. **Schulz W:** Wechselbeziehung zwischen Knochen, Hämatopoese und Niere unter Berücksichtigung der Sexualhormone Teil 1: Knochen und Hämatopoese, Hämatopoese un Niere--Einfluss der Androgene, Androgen-Mangel und Anämie bzw. Ostrogen-Therapie und Anämie. Fortschr Med 96(45):2273–6, 1 Dec 78 **(Ger)**
ANDROGENS, pharmacodynamics/ ANEMIA, drug therapy/ ANEMIA, etiology/ *BONE AND BONES/ BONE MARROW DISEASES, complications/ ERYTHROPOIETIN, secretion/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ FOLIC ACID, therapeutic use/ *HEMATOPOIESIS/ HUMAN/ HYPERPARATHYROIDISM, complications/ *KIDNEY/ MALE/ MYELOFIBROSIS, etiology/ OSTEOPOROSIS, complications/ POLYCYTHEMIA, etiology/ *SEX HORMONES, pharmacodynamics/ UREMIA, complications

3532. **Schulz W:** Wechselbeziehung zwischen Knochen, Hämatopoese und Niere unter Berücksichtigung der Sexualhormone. (Teil)2: Endokrine Osteopathie und Sexualhormone. Fortschr Med 96(46):2329–35, 7 Dec 78 (Eng. Abstr.) **(Ger)**
ADULT/ AGED/ *BONE AND BONES, metabolism/ *BONE DISEASES, metabolism/ BONE RESORPTION/ ENGLISH ABSTRACT/ FEMALE/ *HEMATOPOIESIS/ HUMAN/ *KIDNEY, metabolism/ MENOPAUSE/ MIDDLE AGE/ OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, metabolism/ OVARY, metabolism/ *SEX HORMONES, metabolism/ SEX HORMONES, therapeutic use

3533. **Schulze W:** Licht- und elektronenmikroskopische Studien an den A-Spermatogonien von Männern mit intakter Spermatogenese und bei Patienten nach Behandlung mit Antiandrogenen. Andrologia 10(4):307–20, Jul-Aug 78 (Eng. Abstr.) **(Ger)**
ADULT/ *ANDROGEN ANTAGONISTS, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ SEMINIFEROUS EPITHELIUM, ultrastructure/ SEMINIFEROUS TUBULES, ultrastructure/ *SPERMATOGENESIS/ SPERMATOGONIA, drug effects/ SPERMATOGONIA, enzymology/ *SPERMATOGONIA, ultrastructure/ *SPERMATOZOA, ultrastructure

3534. **Schumm DE, Webb TE:** Effect of adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate on RNA release from isolated nuclei. J Biol Chem 253(23):8513–7, 10 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CELL NUCLEUS, drug effects/ *CELL NUCLEUS, metabolism/ FLUORIDES, pharmacodynamics/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HEPATOMA, EXPERIMENTAL, metabolism/ KINETICS/ LIVER REGENERATION/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MOLECULAR WEIGHT/ RATS/ *RNA, metabolism/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3535. **Schwabe C, Harmon SJ:** A comparative circular dichroism study of relaxin and insulin. Biochem Biophys Res Commun 84(2):374–80, 29 Sep 78
ANIMAL/ CATTLE/ CIRCULAR DICHROISM/ COMPARATIVE STUDY/ GUINEA PIGS/ *INSULIN/ PROTEIN BINDING/ PROTEIN CONFORMATION/ *RELAXIN/ SPECTROPHOTOMETRY, ULTRAVIOLET/ UNITED STATES GOV'T SUPPORTED, P.H.S./ ZINC

3536. **Schwalm JW, Kirk J, Secrest S, et al:** Effects of processing milk on concentrations of glucocorticoids in milk. J Dairy Sci 61(10):1517–8, Oct 78
FOOD HANDLING/ *GLUCOCORTICOIDS, analysis/ HEAT/ *MILK, analysis/ PROTEIN BINDING/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3537. **Schwartz RJ, Chang C, Schrader WT, et al:** Effect of progesterone receptors on transcription. Ann NY Acad Sci 286:147–60, 11 Mar 77 (48 ref.)
ANIMAL/ CHICKENS/ CHROMATIN, metabolism/

DNA, metabolism/ FEMALE/ IN VITRO/ MODELS, BIOLOGICAL/ OVALBUMIN, metabolism/ *OVIDUCTS, metabolism/ PROGESTERONE, pharmacodynamics/ *RECEPTORS, PROGESTERONE, metabolism/ REVIEW/ RNA POLYMERASES, metabolism/ RNA, biosynthesis/ RNA, MESSENGER, biosynthesis/ *TRANSCRIPTION, GENETIC/ TRANSCRIPTION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3538. **Schwarz BE, Milewich L, Gant NF, et al:** Progesterone binding and metabolism in human fetal membranes.
Ann NY Acad Sci 286:304–12, 11 Mar 77
AMNION, metabolism/ BINDING SITES/ CHORION, metabolism/ FEMALE/ *FETAL MEMBRANES, metabolism/ GESTATIONAL AGE/ HUMAN/ IN VITRO/ *LABOR/ LYSOSOMES, metabolism/ *MODELS, BIOLOGICAL/ PREGNANCY/ PROGESTERONE, biosynthesis/ PROGESTERONE, blood/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3539. **Schwarz U, Lämmle B, Six P, et al:** Autoimmune Polyendokrinopathie Bei IgA-Mangel.
Schweiz Med Wochenschr 108(48):1912–3, 2 Dec 78 (Eng. Abstr.) **(Ger)**
ADDISON'S DISEASE, drug therapy/ ADRENAL CORTEX/ ADULT/ AUTOANTIBODIES/ *AUTOIMMUNE DISEASES/ AUTOIMMUNE DISEASES, complications/ *DYSGAMMAGLOBULINEMIA, etiology/ *ENDOCRINE DISEASES, immunology/ ENGLISH ABSTRACT/ EPILEPSY, drug therapy/ FEMALE/ HUMAN/ HYDANTOINS, adverse effects/ HYDROCORTISONE, therapeutic use/ HYPOTHYROIDISM, drug therapy/ IGA/ THYROID GLAND

3540. **Schwarzmann G, Mraz W, Sattler J, et al:** Comparison of the interaction of mono- and oligovalent ligands with cholera toxin. Demonstration of aggregate formation at low ligand concentrations. Hoppe Seylers Z Physiol Chem 359(10):1277–86, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ CELL LINE/ *CHOLERA TOXIN/ CHOLERA TOXIN, pharmacodynamics/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ *GANGLIOSIDES/ GEL DIFFUSION TESTS/ LIGANDS/ MOLECULAR CONFORMATION/ *OLIGOSACCHARIDES/ PROTEIN BINDING

3541. **Scott RS, Espiner EA, Donald RA, et al:** Hormonal responses during treatment of acute diabetic ketoacidosis with constant insulin infusions. Clin Endocrinol (Oxf) 9(5):463–74, Nov 78
*ACIDOSIS, DIABETIC, drug therapy/ ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ ALDOSTERONE, blood/ FEMALE/ *GLUCAGON, blood/ HUMAN/ *HYDROCORTISONE, blood/ INSULIN, administration & dosage/ *INSULIN, therapeutic use/ *KETOSIS, DIABETIC, drug therapy/ MALE/ MIDDLE AGE/ RENIN, blood/ *SOMATOTROPIN, blood

3542. **Scott WC:** Pelvic abscess in association with intrauterine contraceptive device.
Trans Pac Coast Obstet Gynecol Soc 45:43–50, 1978
*ABSCESS, etiology/ ADULT/ HUMAN/ *INTRAUTERINE DEVICES, adverse effects/ MALE/ OVARIAN DISEASES, etiology/ *PELVIS

3543. **Scouteris M, Economacos G, Marcopoulos-Duriez M, et al:** Signes radiologiques des tumeurs de la surrénale.
Sem Hop Paris 54(25–28):839–45, 18–25 Sep 78 (Eng. Abstr.) **(Fre)**
ADENOCARCINOMA, radiography/ ADENOMA, radiography/ ADENOMA, radionuclide imaging/ ADOLESCENCE/ *ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLAND NEOPLASMS, radionuclide imaging/ ADULT/ *CUSHING'S SYNDROME, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, radiography/ KIDNEY, radionuclide imaging/ MALE/ MIDDLE AGE/ *PHEOCHROMOCYTOMA, radiography/ RETROPNEUMOPERITONEUM

3544. **Scriba P:** Warten auf die Struma-Prophylaxe. MMW 120(47):1549–50, 24 Nov 78 **(Ger)**
GERMANY, WEST/ HUMAN/ *HYPERTHYROIDISM, prevention & control/ *IODIDES, therapeutic use/ LEGISLATION, FOOD/ LEGISLATION, PHARMACY/ SODIUM CHLORIDE

3545. **Scully C:** The oral manifestations of systemic disease.
Anglo Contin Dent Soc (41):4–7, Dec 77
BACTERIAL INFECTIONS/ DEFICIENCY DISEASES/ DRUG THERAPY, adverse effects/ ENDOCRINE DISEASES/ HUMAN/ *MOUTH DISEASES/ MOUTH NEOPLASMS/ MYCOSES/ MYELOPROLIFERATIVE DISORDERS/ *ORAL MANIFESTATIONS/ VIRUS DISEASES

3546. **Seal US, Doe RP, Byar DP, et al:** Response of serum haptoglobin to hormone treatment and the relation of pretreatment values to mortality in patients with prostatic cancer. Cancer 42(4):1720–9, Oct 78
AGED/ DIETHYLSTILBESTROL, administration & dosage/ *DIETHYLSTILBESTROL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ESTROGENS, pharmacodynamics/ FIBRINOGEN, metabolism/ *HAPTOGLOBINS, metabolism/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MEDROXYPROGESTERONE, analogs & derivatives/ *MEDROXYPROGESTERONE, pharmacodynamics/ MIDDLE AGE/ NEOPLASM METASTASIS/ PREMARIN, pharmacodynamics/ PROGNOSIS/ *PROSTATIC NEOPLASMS, blood/ PROSTATIC NEOPLASMS, drug therapy/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3547. **Seale JP, Piper PJ:** Stimulation of arachidonic acid metabolism by human slow-reacting substances. Eur J Pharmacol 52(1):125–8, 1 Nov 78
A-23187, pharmacodynamics/ ANIMAL/ *ARACHIDONIC ACIDS, metabolism/ COMPARATIVE STUDY/ GUINEA PIGS/ HUMAN/ IN VITRO/ *LUNG, drug effects/ LUNG, metabolism/ PROSTAGLANDINS, metabolism/ *SLOW-REACTING SUBSTANCES, pharmacodynamics/ SRS-A, pharmacodynamics

3548. **Seaman WE, Blackman MA, Gindhart TD, et al:** beta-Estradiol reduces natural killer cells in mice. J Immunol 121(6):2193–8, Dec 78
ANIMAL/ CASTRATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ IMMUNITY, CELLULAR/ *IMMUNITY, NATURAL/ IMMUNOSUPPRESSION/ *KILLER CELLS, immunology/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ MICE, INBRED DBA/ MICE, INBRED NZB/ STANOLONE, pharmacodynamics/ THYMECTOMY/ TIME FACTORS

3549. **Seböková E, Kolena J:** Characterization of specific prostaglandin E receptor in isolated rat Leydig cells.
Endocrinol Exp (Bratisl) 12(3):147–56, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL/ BINDING, COMPETITIVE/ IN VITRO/ KINETICS/ LEYDIG CELLS, drug effects/ *LEYDIG CELLS, metabolism/ MALE/ *PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ RATS/ *RECEPTORS, HORMONE, metabolism/ *RECEPTORS, PROSTAGLANDIN, metabolism/ TESTOSTERONE, metabolism

3550. **Seeburg PH, Shine J, Martial JA, et al:** Synthesis of growth hormone by bacteria. Nature 276(5690):795–8, 21–28 Dec 78
BETA-LACTAMASES, genetics/ *DNA, RECOMBINANT/ ESCHERICHIA COLI, genetics/ GENES, STRUCTURAL/ LINKAGE (GENETICS)/ METHODS/ PLASMIDS/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, genetics/ SOMATOTROPIN, immunology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3551. **Seedat YK:** Nephrotic syndrome in the Africans and Indians of South Africa. A ten-year study.
Trans R Soc Trop Med Hyg 72(5):506–12, 1978
ADOLESCENCE/ ADULT/ BLACKS/ BLOOD CELL COUNT/ BLOOD PRESSURE/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ *ETHNIC

GROUPS/ FEMALE/ GLOMERULONEPHRITIS, pathology/ HUMAN/ INDIA, ethnology/ KIDNEY, pathology/ LIPOPROTEINS, blood/ LONGITUDINAL STUDIES/ MALE/ MIDDLE AGE/ *NEPHROTIC SYNDROME/ NEPHROTIC SYNDROME, etiology/ NEPHROTIC SYNDROME, immunology/ NEPHROTIC SYNDROME, pathology/ PREDNISONE, therapeutic use/ SOUTH AFRICA

3552. **Seely RJ, Glenn EM:** Salbutamol as a topical anti-inflammatory drug. Proc Soc Exp Biol Med 159(2):223-5, Nov 78
ADMINISTRATION, TOPICAL/ ALBUTEROL, administration & dosage/ *ALBUTEROL, pharmacodynamics/ ANIMAL/ *ANTI-INFLAMMATORY AGENTS, TOPICAL/ DERMATITIS, drug therapy/ EAR/ EDEMA, drug therapy/ HYDROCORTISONE, pharmacodynamics/ *INFLAMMATION, drug therapy/ RATS

3553. **Seemayer TA, Lapp WS, Bolande RP:** Thymic epithelial injury in graft-versus-host reactions following adrenalectomy. Am J Pathol 93(2):325-38, Nov 78
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ EPITHELIUM, cytology/ *GRAFT VS HOST REACTION/ LYMPHOCYTES, cytology/ LYSOSOMES, ultrastructure/ MACROPHAGES, cytology/ MICE/ *THYMUS GLAND, anatomy & histology

3554. **Seene TP, Macco RA, Oks MS, et al:** Izmeneniia v kore nadpochechnikov pri adaptatsii k raznym rezhimam dvigatel'noĭ aktivnosti. Fiziol Zh SSSR 64(10):1444-50, Oct 78 (Eng. Abstr.) **(Rus)**
ADAPTATION, PHYSIOLOGICAL/ ADRENAL CORTEX, analysis/ ADRENAL CORTEX, pathology/ *ADRENAL CORTEX, physiology/ ANIMAL/ COMPARATIVE STUDY/ *CORTICOSTERONE, analysis/ CYTOCHROMES, analysis/ ENGLISH ABSTRACT/ *EXERTION/ HYPERTROPHY/ MALE/ MITOCHONDRIA, analysis/ ORGAN WEIGHT/ PROTEINS, analysis/ RATS/ TIME FACTORS

3555. **Segal DH, Raeside JI:** Androgens in testes and adrenal glands of the fetal pig. J Steroid Biochem 6(10):1439-44, Oct 75
*ADRENAL GLANDS, metabolism/ *ANDROGENS, metabolism/ ANDROSTENEDIONE, metabolism/ ANIMAL/ FEMALE/ FETUS/ MALE/ ORGAN WEIGHT/ PREGNANCY/ SEX FACTORS/ *TESTIS, metabolism/ TESTOSTERONE, metabolism/ 5-ANDROSTENE-3,17-DIOL, metabolism

3556. **Segal JP, Stapleton JF, McClellan JR, et al:** Idiopathic cardiomyopathy: clinical features, prognosis and therapy. Curr Probl Cardiol 3(6):1-48, Sep 78
ADULT/ ARTERIOSCLEROSIS, complications/ BLOOD COAGULATION/ DIGITALIS GLYCOSIDES, therapeutic use/ ELECTROCARDIOGRAPHY/ EMBOLISM, complications/ FEMALE/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS, diagnosis/ MITRAL VALVE INSUFFICIENCY, complications/ MITRAL VALVE PROLAPSE, complications/ MYOCARDIAL DISEASES, complications/ *MYOCARDIAL DISEASES, etiology/ MYOCARDIAL DISEASES, therapy/ MYOCARDIUM, pathology/ PREDNISONE, therapeutic use/ PROGNOSIS/ RHEUMATIC HEART DISEASE, complications/ THORACIC RADIOGRAPHY

3557. **Segal SJ, Burgos M, Lyttle CR:** Progesterone-dependent messenger RNA: identification of the products of heterospecific activity in vivo. Ann NY Acad Sci 286:125-34, 11 Mar 77
ANIMAL/ AVIDIN, biosynthesis/ CHICKENS/ CILIA, ultrastructure/ FEMALE/ IN VITRO/ MICROSCOPY, ELECTRON, SCANNING/ OVIDUCTS, drug effects/ *OVIDUCTS, metabolism/ OVIDUCTS, ultrastructure/ PIGEONS/ POLY A/ *PROGESTERONE, pharmacodynamics/ RNA, MESSENGER, administration & dosage/ *RNA, MESSENGER, metabolism/ SPECIES SPECIFICITY/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XENOPUS

3558. **Segal SJ:** Contraceptives and the young: present status and future prospects. Pediatrics 62(6 Pt 2):1211-5, Dec 78
*ADOLESCENCE/ ADULT/ AGE FACTORS/ *CONTRACEPTIVE AGENTS/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ INTRAUTERINE DEVICES, COPPER/ MALE/ MARRIAGE/ SEX/ UNITED STATES

3559. **Seifert B, Liedtke MP, Brockmann J, et al:** Aborteinleitung in der Frühschwangerschaft mit Prostin F 2 alpha und 15 (S)-15-Methyl PGF 2 alpha. Zentralbl Gynaekol 100(19):1266-71, 1978 (Eng. Abstr.) **(Ger)**
*ABORTIFACIENT AGENTS, therapeutic use/ *ABORTIFACIENT AGENTS, STEROIDAL, therapeutic use/ *ABORTION, INDUCED, methods/ ADULT/ CONTRACEPTIVES, POSTCOITAL, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ MENSTRUATION, drug effects/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ PROSTAGLANDINS F, SYNTHETIC, administration & dosage/ PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ *PROSTAGLANDINS F, SYNTHETIC, therapeutic use

3560. **Seifert B, Liedtke MP, Bettzieche H:** Untersuchungen zur Funktion des Corpus luteum in der mittleren Lutealphase nach Behandlung mit Prostaglandinen. Zentralbl Gynaekol 100(17):1112-8, 1978 (Eng. Abstr.) **(Ger)**
CORPUS LUTEUM REGRESSION/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, metabolism/ CORPUS LUTEUM, ultrastructure/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ HUMAN/ PROGESTERONE, blood/ *PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics

3561. **Seigel RS, Seeger JF, Gabrielsen TO, et al:** Computed tomography in oculocraniosomatic disease (Kearns-Sayre syndrome). Radiology 130(1):159-64, Jan 79
ADOLESCENCE/ ADULT/ ATAXIA, complications/ BASAL GANGLIA DISEASES, complications/ BASAL GANGLIA DISEASES, radiography/ BRAIN DISEASES, complications/ *BRAIN DISEASES, radiography/ CALCINOSIS, complications/ *CALCINOSIS, radiography/ CHILD/ FEMALE/ HEARING LOSS, SENSORINEURAL, complications/ *HEART BLOCK, complications/ HEART BLOCK, radiography/ HUMAN/ HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, radiography/ MALE/ MIDDLE AGE/ *OPHTHALMOPLEGIA, complications/ OPHTHALMOPLEGIA, radiography/ PSEUDOHYPOPARATHYROIDISM, complications/ PSEUDOHYPOPARATHYROIDISM, radiography/ *RETINITIS PIGMENTOSA, complications/ RETINITIS PIGMENTOSA, radiography/ SYNDROME/ THALAMUS, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL

3562. **Seino M:** [Studies of urinary kallikrein in patients with various types of hypertension (relationship to renin-angiotension-aldosterone system (author's transl)] Nippon Jinzo Gakkai Shi 20(8):877-87, Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ALDOSTERONE, blood/ ANGIOTENSIN II, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, urine/ *KALLIKREIN, urine/ KIDNEY DISEASES, urine/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ RENIN, blood

3563. **Seleznev UM, Danilov SM, Preobradjensky SN, et al:** Glucocorticoid-binding proteins of rat heart cytosol and their possible role in the transfer of glucocorticoids into nuclei. J Mol Cell Cardiol 10(10):877-91, Oct 78
ADRENALECTOMY/ ANIMAL/ *CELL NUCLEUS, metabolism/ *CORTICOSTERONE, metabolism/ CYTOSOL, metabolism/ *DEXAMETHASONE, metabolism/ KINETICS/ MALE/ *MYOCARDIUM, metabolism/ RATS/ RECEPTORS, GLUCOCORTICOID, isolation & purification/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism

3564. **Seligson H, Seligson D:** Measurement of serum thyroxine-binding capacity. Clin Chim Acta 89(1):47-58, 2 Oct 78
BUFFERS/ HUMAN/ HYDROGEN-ION CONCENTRATION/ *THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood

3565. **Sells RA, Brookes L, Basu P, et al:** Methylprednisolone blood levels in cadaveric renal allograft recipients. Transplant Proc 10(3):651–3, Sep 78
*GRAFT SURVIVAL/ HUMAN/ IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ *METHYLPREDNISOLONE, blood/ METHYLPREDNISOLONE, therapeutic use

3566. **Selman K, Wallace RA:** An autoradiographic study of vitellogenesis in the squid, Loligo pealei. Tissue Cell 10(3):599–608, 1978
ANIMAL/ ENDOPLASMIC RETICULUM, ultrastructure/ GOLGI APPARATUS, metabolism/ GOLGI APPARATUS, ultrastructure/ *LIPOPROTEINS, biosynthesis/ *OOCYTES, metabolism/ *OVARY, metabolism/ OVARY, ultrastructure/ *OVUM, metabolism/ *SQUID, metabolism/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITELLOGENIN, biosynthesis

3567. **Semoff S, Fuller BB, Hadley ME:** Secretion of melanophore-stimulating hormone (MSH) in long-term cultures of pituitary neurointermediate lobes. Cell Tissue Res 194(1):55–69, 9 Nov 78
CULTURE MEDIA/ FROGS/ *MSH, secretion/ ORGAN CULTURE/ *PITUITARY GLAND, POSTERIOR/ PITUITARY GLAND, POSTERIOR, ultrastructure/ RANA PIPIENS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3568. **Sen S, Das PK:** Steroid-CPK test. A new diagnostic aid for muscular dystrophy and its carriers? Eur Neurol 17(5):258–64, 1978
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *CREATINE KINASE, blood/ *ENZYME TESTS/ FEMALE/ HUMAN/ HYDROCORTISONE, diagnostic use/ MALE/ *MUSCULAR DYSTROPHY, diagnosis/ MUSCULAR DYSTROPHY, familial & genetic

3569. **Senda K, Kaneko M:** [Bone scintigraphy in metabolic bone diseases (author's transl)] Rinsho Hoshasen 23(12):1421–2, Nov 78 **(Jpn)**
ADULT/ *BONE AND BONES, radionuclide imaging/ *BONE DISEASES, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, radionuclide imaging/ MALE/ MIDDLE AGE/ OSTEOMALACIA, radionuclide imaging

3570. **Sener A, Kawazu S, Hutton JC, et al:** The stimulus-secretion coupling of glucose-induced insulin release. Effect of exogenous pyruvate on islet function. Biochem J 176(1):217–32, 15 Oct 78
ANIMAL/ CALCIUM, metabolism/ DICHLOROACETATE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ GLUCOSE, metabolism/ *GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ *ISLANDS OF LANGERHANS, secretion/ LIPIDS, biosynthesis/ NUCLEOTIDES, metabolism/ OXIDATION-REDUCTION/ PYRUVATES, metabolism/ *PYRUVATES, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects

3571. **Senge T, Hülshoff T, Tunn U, et al:** Testosteronkonzentration im Serum nach subkapsulärer Orchiektomie. Urologe [A] 17(6):382–4, Nov 78 (Eng. Abstr.) **(Ger)**
AGED/ CASTRATION/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ MALE/ MIDDLE AGE/ *PROSTATIC NEOPLASMS, surgery/ *TESTIS, surgery/ *TESTOSTERONE, blood

3572. **Sengel RA:** A graph analysis of the relationship between population density and social pathology. Behav Sci 23(4):213–24, Jul 78
ANTIBODY FORMATION/ CORTICOTROPIN, physiology/ HUMAN/ INTERPERSONAL RELATIONS/ MODELS, PSYCHOLOGICAL/ MORBIDITY/ MORTALITY/ *POPULATION DENSITY/ PSYCHOPHYSIOLOGIC DISORDERS, physiopathology/ *SOCIAL BEHAVIOR DISORDERS, etiology/ SOCIAL BEHAVIOR DISORDERS, physiopathology/ STRESS, PSYCHOLOGICAL, physiopathology

3573. **Senterfitt VC, Shands JW Jr:** Endotoxin induced metabolic alterations in BCG infected (hyperreactive) mice. Proc Soc Exp Biol Med 159(1):69–74, Oct 78
ANIMAL/ BLOOD SUGAR, metabolism/ BCG/ *ENDOTOXINS, poisoning/ FATTY ACIDS, blood/ FEMALE/ FRUCTOSE, blood/ *GLUCONEOGENESIS/ GLYCERIN, blood/ HYDROCORTISONE, pharmacodynamics/ HYPOGLYCEMIA, blood/ HYPOGLYCEMIA, chemically induced/ *HYPOGLYCEMIA, etiology/ MICE/ OXIDATION-REDUCTION/ *TUBERCULOSIS, metabolism

3574. **Seppälä M:** Prolactin and female reproduction. Ann Clin Res 10(3):164–70, 1978
AMENORRHEA, blood/ ANOVULATION, blood/ FEMALE/ GALACTORRHEA, blood/ HUMAN/ *MENSTRUATION/ PITUITARY NEOPLASMS, blood/ PREGNANCY/ PROLACTIN, blood/ *PROLACTIN, physiology/ *STERILITY, FEMALE, blood/ STERILITY, FEMALE, drug therapy/ 2-BROMOERGOCRYPTINE, therapeutic use

3575. **Seppälä M:** Kasvainten tuottamat antigeenit. Duodecim 94(22):1446–60, 1978 **(Fin)**
*ANTIGENS, NEOPLASM/ CARCINOEMBRYONIC ANTIGEN/ HORMONES, ECTOPIC, immunology/ HUMAN

3576. **Seprodi J, Coy DH, Vilchez-Martinez JA, et al:** Cyclic analogues of luteinizing hormone-releasing hormone with significant biological activities. J Med Chem 21(9):993–5, Sep 78
ANIMAL/ CASTRATION/ CYCLIZATION/ FEMALE/ LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, chemical synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3577. **Seress L:** The effect of the neonatal testosterone treatment on the postnatal cell formation of the rat brain. Med J Osaka Univ 28(3–4):285–9, Mar 78
ANIMAL/ ANIMALS, NEWBORN/ BRAIN, drug effects/ *BRAIN, growth & development/ FEMALE/ HYPOTHALAMUS, cytology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, growth & development/ RATS/ *TESTOSTERONE, pharmacodynamics

3578. **Serrano PA:** Médula suprarrenal. Gac Med Mex 114(8):355–69, Aug 78 (115 ref.) **(Spa)**
ADRENAL GLAND NEOPLASMS, blood/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, urine/ *ADRENAL MEDULLA/ ADRENAL MEDULLA, anatomy & histology/ ADRENAL MEDULLA, drug effects/ ADRENAL MEDULLA, embryology/ ADRENAL MEDULLA, physiology/ BLOOD PRESSURE/ CATECHOLAMINES, analysis/ CATECHOLAMINES, biosynthesis/ HISTAMINE, pharmacodynamics/ HUMAN/ PHEOCHROMOCYTOMA, blood/ PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, urine/ REVIEW/ STIMULATION, CHEMICAL/ TYRAMINE, pharmacodynamics

3579. **Serri O, Gagnon RM, Goulet Y, et al:** Coma secondary to apathetic thyrotoxicosis. Can Med Assoc J 119(6):605–7, 23 Sep 78
CASE REPORT/ *COMA, etiology/ FEMALE/ HUMAN/ IODINE, therapeutic use/ MIDDLE AGE/ PROPRANOLOL, therapeutic use/ *THYROID CRISIS/ THYROID CRISIS, drug therapy/ THYROID CRISIS, physiopathology

3580. **Sethi S:** Oxytocin challenge test. Am J Nurs 78(12):2111–5, Dec 78
FEMALE/ *FETAL DISTRESS, prevention & control/ FETAL HEART, physiology/ FETAL MONITORING, methods/ HEART RATE/ HUMAN/ LABOR COMPLICATIONS, prevention & control/ OXYGEN, blood/ *OXYTOCIN, diagnostic use/ *PLACENTA, blood supply/ PREGNANCY/ PRENATAL DIAGNOSIS, methods/ UTERINE CONTRACTION, drug effects

3581. **Setlow B, Setlow P:** Levels of cyclic GMP in dormant,

germinated, and outgrowing spores and growing and sporulating cells of Bacillus megaterium. J Bacteriol 136(1):433–6, Oct 78
BACILLUS MEGATERIUM, growth & development/ BACILLUS MEGATERIUM, metabolism/ *BACILLUS MEGATERIUM, physiology/ COMPARATIVE STUDY/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ SPORES, BACTERIAL, metabolism/ UNITED STATES GOV'T SUPPORTED

3582. **Seto F:** Apparent antibody-producing capacity of chicken thymocytes. Dev Comp Immunol 2(4):667–77, Oct 78
ANIMAL/ *ANTIBODY PRODUCING CELLS, immunology/ B-LYMPHOCYTES, immunology/ CELLS, CULTURED/ CHICKENS/ CYCLOPHOSPHAMIDE, pharmacodynamics/ HEMAGGLUTINATION TESTS/ HEMOLYTIC PLAQUE TECHNIC/ MICE/ SPLEEN, immunology/ TESTOSTERONE, pharmacodynamics/ *THYMUS GLAND, cytology/ THYMUS GLAND, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3583. **Severs WB, Changaris DG, Keil LC, et al:** Pharmacology of angiotensin-induced drinking behavior. Fed Proc 37(13):2699–703, Nov 78
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANGIOTENSIN II, antagonists & inhibitors/ ANGIOTENSIN II, metabolism/ *ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *BRAIN, drug effects/ BRAIN, metabolism/ *DRINKING, drug effects/ HYDROXYDOPAMINE, pharmacodynamics/ RATS/ RECEPTORS, ANGIOTENSIN, drug effects/ SALINE SOLUTION, HYPERTONIC, pharmacodynamics/ SARALASIN, pharmacodynamics/ UNITED STATES GOV'T SUPRORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE, drug effects

3584. **Severs WB, Keil LC, Klase PA:** Consummatory behavior and urine production after cerebroventricular injection of vasopressin and vasopressin antiserum. Eur J Pharmacol 51(4):389–96, 15 Oct 78
ANIMAL/ *DIURESIS, drug effects/ *DRINKING BEHAVIOR, drug effects/ *FEEDING BEHAVIOR, drug effects/ IMMUNE SERUMS, administration & dosage/ *IMMUNE SERUMS, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ POLYETHYLENE GLYCOLS, pharmacodynamics/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ VASOPRESSINS, administration & dosage/ VASOPRESSINS, immunology/ *VASOPRESSINS, pharmacodynamics

3585. **Severs WB, Klase P:** Drinking in water deprived rats after combined central angiotensin receptor and converting enzyme blockade. Pharmacol Biochem Behav 9(2):259–60, Aug 78
ANIMAL/ *DRINKING BEHAVIOR, drug effects/ *KININASE II, antagonists & inhibitors/ MALE/ POTASSIUM, urine/ RATS/ *RECEPTORS, ANGIOTENSIN, drug effects/ *RECEPTORS, HORMONE, drug effects/ SARALASIN, pharmacodynamics/ SODIUM, urine/ SQ 20881, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WATER DEPRIVATION

3586. **Sexton J, Edelin K, Booth DF, et al:** Surgery in a gravid patient. J Oral Surg 36(11):878–86, Nov 78
ABRUPTIO PLACENTAE, etiology/ ANESTHESIA, DENTAL/ ANESTHETICS, pharmacodynamics/ ANOXIA, complications/ BACTERIAL INFECTIONS, etiology/ BLOOD VOLUME/ CARDIOVASCULAR SYSTEM, physiology/ DRUG THERAPY/ FEMALE/ FETAL DISEASES, etiology/ FETUS, immunology/ FETUS, metabolism/ HEMORRHAGE, complications/ HUMAN/ KIDNEY, physiology/ MAXILLOFACIAL INJURIES, therapy/ *MOUTH, surgery/ NUTRITION/ PITUITARY GLAND, physiology/ PLACENTA, metabolism/ PLACENTAL HORMONES, metabolism/ PREGNANCY TRIMESTER, SECOND/ *PREGNANCY/ VIRUS DISEASES, etiology/ WOUNDS AND INJURIES, therapy

3587. **Seyama Y, Yamashita S, Ishikawa N:** [Metabolism of iodohistidine. II. Comparative studies on decarboxylation of iodohistidine and histidine (author's transl)] Yakugaku Zasshi 98(8):1055–62, Aug 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ COMPARATIVE STUDY/ DECARBOXYLATION/ ENGLISH ABSTRACT/ HISTIDINE DECARBOXYLASE, metabolism/ *HISTIDINE, analogs & derivatives/ *HISTIDINE, metabolism/ IN VITRO/ IODINE, metabolism/ RATS

3588. **Seybert DW, Lambeth JD, Kamin H:** The participation of a second molecule of adrenodoxin in cytochrome P-450-catalyzed 11beta hydroxylation. J Biol Chem 253(23):8355–8, 10 Dec 78
*ADRENAL GLANDS, metabolism/ *ADRENODOXIN, metabolism/ ANIMAL/ CATTLE/ *CYTOCHROME P-450, metabolism/ FERREDOXIN-NADP REDUCTASE, metabolism/ HYDROXYLATION/ KINETICS/ SPECTROPHOTOMETRY/ *STEROID HYDROXYLASES, metabolism/ *STEROID-11-HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3589. **Seybold VS, Miller JW, Lewis PR:** Investigation of a dopaminergic mechanism for regulating oxytocin release. J Pharmacol Exp Ther 207(2):605–10, Nov 78
ANIMAL/ CARBACHOL, pharmacodynamics/ DEPRESSION, CHEMICAL/ *DOPAMINE, pharmacodynamics/ FEMALE/ HALOPERIDOL, pharmacodynamics/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ IN VITRO/ LEVODOPA, pharmacodynamics/ MALE/ NEUROPHYSINS, metabolism/ *OXYTOCIN, metabolism/ PHENYLEPHRINE, pharmacodynamics/ PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, metabolism/ PREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3590. **Sforza M, Perelli Ercolini M, D'Alessandro G:** La mastalgia. Minerva Med 69(49):3395–7, 17 Oct 78 (Eng. Abstr.) **(Ita)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *BREAST DISEASES/ BREAST DISEASES, etiology/ ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ ITALY/ MIDDLE AGE/ OCCUPATIONS/ PAIN

3591. **Shabanovaia SP, Kaporina NV, Gun'kov VS:** Dosvid likuvannia hniinykh protsesiv prydatkiv matky. Pediatr Akush Ginekol (5):61–2, Sep-Oct 78 **(Ukr)**
ADNEXAL DISEASES, diagnosis/ *ADNEXAL DISEASES, therapy/ ADULT/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARIAN DISEASES, therapy/ SALPINGITIS, therapy

3592. **Shackleton CH:** The excretion of steroids by the adult marmoset monkey (Callithrix jacchus). J Steroid Biochem 6(10):1429–32, Oct 75
ADRENAL CORTEX HORMONES, urine/ ANDROGENS, urine/ CHROMATOGRAPHY, GAS/ ESTROGENS, urine/ FEMALE/ HUMAN/ MALE/ MARMOSETS/ MONKEYS/ SPECTRUM ANALYSIS, MASS/ *STEROIDS, urine

3593. **Shackleton CH, Taylor NF:** Identification of the androstenetriolones and androstenetetrols present in the urine of infants. J Steroid Biochem 6(10):1393–9, Oct 75
*ANDROSTENOLS, urine/ CHROMATOGRAPHY, GAS, methods/ HUMAN/ INFANT/ KETOSTEROIDS, urine/ SPECTRUM ANALYSIS, MASS, methods/ STRUCTURE-ACTIVITY RELATIONSHIP

3594. **Shackleton CH, Taylor NF:** Conversion of 3beta, 15beta, 16beta-trihydroxy-5-androsten-17-one to 1,3,5(10)-oestratriene-3,15beta,16beta,17beta-tetrol by placental homogenates. J Steroid Biochem 6(10):1401–3, Oct 75
CHROMATOGRAPHY, GAS/ *ESTETROL, biosynthesis/ *ESTRIOL, analogs & derivatives/ FEMALE/ HUMAN/ ISOMERISM/ *PLACENTA, metabolism/ PREGNANCY/ SPECTRUM ANALYSIS, MASS

3595. **Shackleton CH, Macrae DJ, Willmott MP:** Comparison of oestriol in mother and fetus during labour and in the baby at birth. Acta Obstet Gynecol Scand 57(5):411–4, 1978
BIRTH WEIGHT/ CHROMATOGRAPHY, GAS/

COMPARATIVE STUDY/ *ESTRIOL, blood/ FEMALE/ *FETAL BLOOD, analysis/ HUMAN/ *INFANT, NEWBORN/ INFANT, SMALL FOR GESTATIONAL AGE/ LABOR STAGE, SECOND/ *LABOR/ PREGNANCY/ SPECTRUM ANALYSIS, MASS

3596. **Shah MD, Bhandare K, Kulkarni VS:** Evaluation of the prednisolone primed glucose tolerance test in the detection of latent diabetes. Indian Pediatr 15(6):453–8, Jun 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ *DIABETES MELLITUS, JUVENILE, familial & genetic/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ INFANT/ MALE/ *PREDIABETIC STATE, diagnosis/ *PREDNISOLONE, diagnostic use

3597. **Shaikh AA, Naqvi RH, Shaikh SA:** Concentrations of oestradiol–17beta and progesterone in the peripheral plasma of the cynomolgus monkey (Macaca fascicularis) in relation to the length of the menstrual cycle and its component phases. J Endocrinol 79(1):1–7, Oct 78
ANIMAL/ *CYNOMOLGUS MONKEYS, blood/ *ESTRADIOL, blood/ FEMALE/ *MACACA, blood/ *MENSTRUATION/ MONKEYS/ *PROGESTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3598. **Shain SA, Boesel RW:** Human prostate steroid hormone receptor quantitation. Current methodology and possible utility as a clinical discriminant in carcinoma. Invest Urol 16(3):169–74, Nov 78 (59 ref.)
ADENOCARCINOMA, analysis/ *ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ BREAST NEOPLASMS, metabolism/ CYTOPLASM, analysis/ CYTOPLASM, metabolism/ CYTOSOL, analysis/ CYTOSOL, metabolism/ DOGS/ FEMALE/ HUMAN/ MALE/ METHODS/ *PROSTATE, analysis/ PROSTATE, metabolism/ PROSTATIC NEOPLASMS, analysis/ *PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, metabolism/ PROTEIN BINDING/ *RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ANDROGEN, metabolism/ RECEPTORS, ESTROGEN, analysis/ RECEPTORS, ESTROGEN, metabolism/ *RECEPTORS, STEROID, analysis/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3599. **Shalet SM, Beardwell CG, Jones PH, et al:** Treatment of childhood cancer: effects on gonads [letter] Br Med J 2(6147):1295–6, 4 Nov 78
ANTINEOPLASTIC AGENTS, adverse effects/ CHILD/ FEMALE/ HUMAN/ MALE/ *NEOPLASMS, therapy/ OVARY, drug effects/ *TESTIS, drug effects

3600. **Shapiro SS, Dyer RD, Colás AE:** Synthetic progestins: in vitro potency on human endometrium and specific binding to cytosol receptor. Am J Obstet Gynecol 132(5):549–54, 1 Nov 78
CHROMATOGRAPHY/ *CYTOSOL, metabolism/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, metabolism/ ETHYNODIOL DIACETATE, metabolism/ FEMALE/ GLYCOGEN, metabolism/ HUMAN/ MEDROXYPROGESTERONE, metabolism/ MEDROXYPROGESTERONE, pharmacodynamics/ NORETHINDRONE, metabolism/ NORETHYNODREL, metabolism/ NORGESTREL, metabolism/ ORGAN CULTURE/ *PROGESTATIONAL HORMONES, SYNTHETIC, metabolism/ PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ PROGESTERONE, metabolism/ RECEPTORS, PROGESTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3601. **Shapiro SS, McCord S:** Prothrombin. Prog Hemost Thromb 4:177–209, 1978 (184 ref.)
ANIMAL/ BINDING SITES/ CALCIUM, metabolism/ CATTLE/ CHICKENS/ FACTOR V, physiology/ HUMAN/ HYPOPROTHROMBINEMIAS, familial & genetic/ OLIGOSACCHARIDES, physiology/ PHOSPHOLIPIDS, physiology/ *PROTHROMBIN/ PROTHROMBIN, immunology/ PROTHROMBIN, isolation & purification/ PROTHROMBIN, metabolism/ RATS/ REVIEW/ SHEEP/ SWINE/ THROMBIN, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN K, physiology

3602. **Sharma VC, Singh I:** A quantitative estimation of the depletion of the granules of argyrophile cells in the gastrointestinal tract of reserpine treated Rhesus monkeys. Anat Anz 144(1):22–4, Jun 78
ANIMAL/ CHROMAFFIN GRANULES, drug effects/ *CHROMAFFIN SYSTEM, drug effects/ *ENTEROCHROMAFFIN CELLS, drug effects/ FEMALE/ *GASTROINTESTINAL SYSTEM, cytology/ MALE/ MONKEYS/ PHOTOMETRY, methods/ *RESERPINE, pharmacodynamics/ RHESUS MONKEYS

3603. **Sharmanov TSh, Tazhibaev ShS, Mamyrbaev AA:** Obmen nukleinovykh kislot i belka pri nedostatochnosti vitamina D i pishchevykh proteinov. Vopr Pitan (5):20–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ BODY WEIGHT/ DIET/ ENGLISH ABSTRACT/ GLYCINE, metabolism/ MALE/ ORGANOIDS, metabolism/ *PROTEIN DEFICIENCY, metabolism/ *PROTEINS, metabolism/ RATS/ *RNA, metabolism/ SUBCELLULAR FRACTIONS, metabolism/ *VITAMIN D DEFICIENCY, metabolism

3604. **Shattil SJ, Cooper RA:** Role of membrane lipid composition, organization, and fluidity in human platelet function. Prog Hemost Thromb 4:59–86, 1978 (223 ref.)
ADENYL CYCLASE, metabolism/ *BLOOD PLATELETS, physiology/ BLOOD PLATELETS, secretion/ CHOLESTEROL, blood/ COMPLEMENT/ ENDOTHELIUM/ HUMAN/ HYPERLIPEMIA, blood/ *MEMBRANE LIPIDS, physiology/ PLATELET ADHESIVENESS/ PLATELET AGGREGATION/ PLATELET FACTOR 3, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3605. **Shaw JO, Printz MP, Hirabayashi K, et al:** Role of prostaglandin synthesis in rabbit platelet activation induced by basophil-derived platelet-activating factor. J Immunol 121(5):1939–45, Nov 78
ANIMAL/ *BASOPHILS, immunology/ *BLOOD PLATELETS, immunology/ BLOOD PLATELETS, secretion/ PLATELET AGGREGATION/ PROSTAGLANDIN ENDOPEROXIDES, biosynthesis/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ PROSTAGLANDINS G, biosynthesis/ PROSTAGLANDINS H, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RABBITS/ SEROTONIN, secretion/ THROMBOXANE A2, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3606. **Sheela Rani CS, Moudgal NR:** Measurement of FSH in the ovarian tissue by radioimmunoassay: correlation to serum FSH levels and follicular development in the hamster. Mol Cell Endocrinol 11(3):293–307, Sep 78
AGING/ ANIMAL/ ESTRUS/ FEMALE/ FSH, blood/ *FSH, metabolism/ HAMSTERS/ LH, metabolism/ *OVARY, metabolism/ RADIOIMMUNOASSAY/ RECEPTORS, HORMONE, metabolism/ SEX MATURATION

3607. **Shekhtman MM:** Patogenez otekov u beremennykh. Akush Ginekol (Mosk) (11):1–5, Nov 78 (48 ref.) **(Rus)**
ALDOSTERONE, physiology/ BLOOD VOLUME/ CORTICOTROPIN, physiology/ *EDEMA, etiology/ EDEMA, metabolism/ EXTRACELLULAR SPACE, metabolism/ FEMALE/ GLOMERULONEPHRITIS, complications/ HUMAN/ HYALURONIDASE, blood/ KIDNEY, physiopathology/ *PREGNANCY COMPLICATIONS, etiology/ PREGNANCY COMPLICATIONS, metabolism/ *PREGNANCY TOXEMIAS, complications/ PREGNANCY/ REVIEW/ SODIUM, metabolism/ VASOPRESSINS, physiology/ WATER-ELECTROLYTE IMBALANCE, complications

3608. **Shelley JH:** Pharmacological mechanisms of analgesic nephropathy. Kidney Int 13(1):15–26, Jan 78 (159 ref.)
*ANALGESICS, ANTI-INFLAMMATORY, toxicity/ ANALGESICS, ANTI-INFLAMMATORY, therapeutic use/ ANIMAL/ ANOXIA, chemically induced/ CATS/ COMPARATIVE STUDY/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG COMBINATIONS/ FEMALE/ GUINEA PIGS/ HUMAN/ *KIDNEY DISEASES, chemically

induced/ KIDNEY MEDULLA, drug effects/ KIDNEY MEDULLA, metabolism/ KIDNEY, anatomy & histology/ KIDNEY, physiology/ MALE/ MONKEYS/ NATRIURESIS, drug effects/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ PROSTAGLANDINS, biosynthesis/ RABBITS/ RATS/ REVIEW/ SPECIES SPECIFICITY/ SWINE/ TIME FACTORS/ VASCULAR RESISTANCE, drug effects

3609. **Shen FH, Ivey JL, Sherrard DJ, et al:** Further evidence supporting the phosphate leak hypothesis of idiopathic hypercalciuria. Adv Exp Med Biol 103:217-23, 1978
ADULT/ CALCIUM, blood/ *CALCIUM, urine/ HUMAN/ INTESTINAL ABSORPTION/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, therapeutic use/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3610. **Shen K, McCauley R, Hill B, et al:** Evidence for secretion of a calcium-lowering factor from the stomach. Surg Forum 28:392-4, 1977
ANIMAL/ CALCITONIN, physiology/ *CALCIUM, blood/ GASTRECTOMY/ GASTRIC JUICE, metabolism/ HYPOCALCEMIA, etiology/ MALE/ PENTAGASTRIN, pharmacodynamics/ RATS/ SODIUM CHLORIDE, pharmacodynamics/ STOMACH, metabolism/ *STOMACH, physiology/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3611. **Sheridan P, Payne RB:** Thyroid function tests [letter] Br Med J 2(6145):1162, 21 Oct 78
HUMAN/ *THYROID FUNCTION TESTS/ THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood

3612. **Sheridan PJ:** The pars nervosa is a target for androgen in the mouse. Biol Reprod 19(3):657-60, Oct 78
ANDROGENS, pharmacodynamics/ ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ DRUG RESISTANCE/ *ESTRADIOL, metabolism/ MALE/ MICE/ MUTATION/ *PITUITARY GLAND, POSTERIOR, metabolism/ *STANOLONE, metabolism/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3613. **Sherlock S:** Immunosuppressive therapy in chronic liver disease. Minerva Med 69(38):2605-9, 18 Aug 78
AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ HEPATITIS B SURFACE ANTIGEN, analysis/ HEPATITIS B, drug therapy/ HEPATITIS, drug therapy/ HUMAN/ *IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LIVER CIRRHOSIS, drug therapy/ *LIVER DISEASES, drug therapy/ PREDNISOLONE, therapeutic use

3614. **Sherman AD, Gál EM:** Lack of dependence of amine or prostaglandin biosynthesis on absolute cerebral level of pteridine cofactor. Life Sci 23(16):1675-9, 23 Oct 78
ANIMAL/ *BIOGENIC AMINES, biosynthesis/ BIOPTERIN, biosynthesis/ *BRAIN, metabolism/ GUANOSINE TRIPHOSPHATE, metabolism/ KINETICS/ *PROSTAGLANDINS, biosynthesis/ *PTERIDINES, metabolism/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3615. **Sherman BM, Harris CE, Schlechte J, et al:** Pathogenesis of prolactin-secreting pituitary adenomas. Lancet 2(8098):1019-21, 11 Nov 78
ADENOMA, pathology/ *ADENOMA, secretion/ ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AMENORRHEA, chemically induced/ *ESTROGENS, SYNTHETIC, adverse effects/ FEMALE/ GALACTORRHEA, chemically induced/ HUMAN/ MIDDLE AGE/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, secretion/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, surgery/ PITUITARY NEOPLASMS, pathology/ *PITUITARY NEOPLASMS, secretion/ PITUITARY NEOPLASMS, surgery/ PROLACTIN, blood/ *PROLACTIN, secretion/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3616. **Sherman MR, Diaz SC:** Mero-receptor formation from a larger subcomponent of the oviduct progesterone receptor. Ann NY Acad Sci 286:81-6, 11 Mar 77
ANIMAL/ CALCIUM, pharmacodynamics/ CHICKENS/ CYTOSOL, metabolism/ FEMALE/ MOLECULAR WEIGHT/ *OVIDUCTS, metabolism/ PEPTIDE HYDROLASES, metabolism/ PROTEIN CONFORMATION, drug effects/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3617. **Sherr HP, Stifel FB, Herman RH:** Effect of cholera toxin on rabbit jejunal carbohydrate-metabolizing enzymes. Gastroenterology 75(4):711-6, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CHOLERA TOXIN, pharmacodynamics/ *FRUCTOSEDIPHOSPHATE ALDOLASE, metabolism/ GLUCONEOGENESIS, drug effects/ GLYCOLYSIS, drug effects/ *HEXOSEDIPHOSPHATASE, metabolism/ IN VITRO/ *INTESTINAL MUCOSA, enzymology/ INTESTINE, SMALL, drug effects/ *INTESTINE, SMALL, enzymology/ MALE/ *PYRUVATE KINASE, metabolism/ RABBITS/ THEOPHYLLINE, pharmacodynamics

3618. **Sheth AR, Vaze AY, Thakur AN:** Development of a radioimmunoassay for inhibin. Indian J Exp Biol 16(9):1025-6, Sep 78
ANIMAL/ CATTLE/ HUMAN/ *LH-FSH RELEASING HORMONE, antagonists & inhibitors/ MONKEYS/ *RADIOIMMUNOASSAY, methods/ RATS/ SHEEP/ SWINE/ *TESTICULAR HORMONES, analysis

3619. **Sheth KL, Mathur RN, Sheth JJ:** Episcleral osseous choristoma. Indian J Ophthalmol 26(1):49-50, Apr 78
*BONE AND BONES/ CASE REPORT/ CHILD, PRESCHOOL/ *CHORISTOMA, pathology/ *EYE NEOPLASMS, pathology/ FEMALE/ HUMAN/ *SCLERA, pathology

3620. **Shibata S, Mori K, Teramoto S:** [Diabetes insipidus after surgery of intracranial arterial aneurysms--with special reference to the human ADH and aldosterone secretion (author's transl)] No Shinkei Geka 6(8):795-801, Aug 78 (Eng. Abstr.)**(Jpn)**
ADULT/ AGED/ ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ *CEREBRAL ANEURYSM, surgery/ DIABETES INSIPIDUS, drug therapy/ *DIABETES INSIPIDUS, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *POSTOPERATIVE COMPLICATIONS/ RADIOIMMUNOASSAY, methods/ VASOPRESSINS, analogs & derivatives/ VASOPRESSINS, administration & dosage/ VASOPRESSINS, blood/ *VASOPRESSINS, secretion

3621. **Shields R:** Pleiotypic effects of hormones [news] Nature 276(5687):440-1, 30 Nov 78
*ANDROGENS, pharmacodynamics/ ANIMAL/ MALE/ *PROTEINS, biosynthesis/ RATS/ RNA, MESSENGER, biosynthesis/ *SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, metabolism/ STIMULATION, CHEMICAL

3622. **Shigemi F, Tanaka M, Ohtsuka T:** A case of sensitization to oral corticosteroids. J Dermatol (Tokyo) 5(5):231-3, Oct 78
ADMINISTRATION, ORAL/ ADULT/ CASE REPORT/ *DRUG HYPERSENSITIVITY, etiology/ FACIAL DERMATOSES, drug therapy/ FEMALE/ HUMAN/ METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, adverse effects/ PREDNISOLONE, administration & dosage/ *PREDNISOLONE, adverse effects

3623. **Shih JC, Young H:** The alteration of serotonin binding sites in aged human brain. Life Sci 23(14):1441-8, 9 Oct 78
*AGING/ *BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ HUMAN/ KINETICS/ MEMBRANE PROTEINS, metabolism/ *RECEPTORS, SEROTONIN, metabolism/ SEROTONIN, metabolism/ SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3624. **Shim C, Stover DE, Williams MH Jr:** Response to corticosteroids in chronic bronchitis. J Allergy Clin Immunol 62(6):363-7, Dec 78
AGED/ BRONCHITIS, blood/ *BRONCHITIS, drug therapy/ BRONCHITIS, physiopathology/ CHRONIC

DISEASE/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ EOSINOPHILS/ FEMALE/ FORCED EXPIRATORY VOLUME/ HUMAN/ ISOPROTERENOL, therapeutic use/ LEUKOCYTE COUNT/ MALE/ MIDDLE AGE/ *PREDNISONE, therapeutic use/ SPUTUM, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3625. **Shimada K, Yazaki Y:** Binding sites for angiotensin II in human mononuclear leucocytes. J Biochem (Tokyo) 84(4):1013–5, Oct 78
ADULT/ *ANGIOTENSIN II, blood/ BINDING SITES/ BINDING, COMPETITIVE/ HUMAN/ KINETICS/ *NEUTROPHILS, metabolism/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism

3626. **Shimamura T:** Effects of inflammatory mediators on the glomerular localization of intravenously administered ferritins. Experientia 34(9):1196–7, 15 Sep 78
ANIMAL/ *BRADYKININ, pharmacodynamics/ CAPILLARY PERMEABILITY, drug effects/ *FERRITIN, metabolism/ *HISTAMINE, pharmacodynamics/ KIDNEY GLOMERULUS, blood supply/ *KIDNEY GLOMERULUS, drug effects/ KIDNEY GLOMERULUS, metabolism/ MALE/ RATS/ *SEROTONIN, pharmacodynamics

3627. **Shimizu K:** [Prostaglandin and Ca metabolism] Nippon Rinsho 36(10):3379–84, Oct 78 (64 ref.) **(Jpn)**
ANIMAL/ BONE AND BONES, metabolism/ *CALCIUM, metabolism/ HUMAN/ HYPERCALCEMIA, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism/ PROSTAGLANDINS, pharmacodynamics/ *PROSTAGLANDINS, physiology/ REVIEW

3628. **Shimizu S, Yamauchi Y, Ikuta J, et al:** [Effects of K-373 (prazepam) on electroencephalogram and pressor response to hypothalamic stimulation (author's transl)] Igaku Kenkyu 48(3):220–30, Apr 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ *BLOOD PRESSURE, drug effects/ CATS/ *ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ *HYPOTHALAMUS, physiology/ *PRAZEPAM, pharmacodynamics/ RABBITS

3629. **Shimizu S, Oyama K, Nozaki Y, et al:** [Development of a gonadotropin bioassay system using isolated Leydig cells] Horumon To Rinsho 26(11):1136–43, Nov 78 **(Jpn)**
ADULT/ ANIMAL/ *BIOLOGICAL ASSAY, methods/ FEMALE/ *GONADOTROPINS, analysis/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IN VITRO/ *LEYDIG CELLS, drug effects/ LH, analysis/ MALE/ PREGNANCY/ RATS

3630. **Shimoda S, Suzuki H, Nakamura T, et al:** [Hyperbola-correlation found between thyroid hormones and prolactin response to TRH in hyperthyroidism and primary hypothyroidism (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1222–8, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ *HYPOTHYROIDISM, blood/ MIDDLE AGE/ *PROLACTIN, blood/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3631. **Shimotsuji T, Seino Y, Yabuuchi H:** [Vitamin D dependency--with special reference to its reactivity to vitamin D and vitamin D activities in the blood] Nippon Rinsho 36(10):3363–8, Oct 78 **(Jpn)**
CASE REPORT/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ RICKETS, blood/ *RICKETS, drug therapy/ RICKETS, etiology/ *VITAMIN D, therapeutic use

3632. **Shimotsuji T, Kiyono Y, Ikehara C, et al:** [Binding capacity of blood 25-hydroxyvitamin D-binding protein in man] Horumon To Rinsho 26(11):1175–80, Nov 78 **(Jpn)**
ADULT/ *BLOOD PROTEINS, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ INFANT/ INFANT, NEWBORN/ PREGNANCY/ PROTEIN BINDING

3633. **Shin SH:** Thyrotropin releasing hormone (TRH) is not the physiological prolactin releasing factor (PRF) in the male rat. Life Sci 23(17–18):1813–8, 30 Oct 78
ANIMAL/ MALE/ *PROLACTIN RELEASING HORMONE, physiology/ PROLACTIN, blood/ RATS/ STRESS, metabolism/ *THYROTROPIN RELEASING HORMONE, physiology/ TIME FACTORS

3634. **Shine KI, Douglas AM, Ricchiuti NV:** Calcium, strontium, and barium movements during ischemia and reperfusion in rabbit ventricle. Implications for myocardial preservation. Circ Res 43(5):712–20, Nov 78
ANIMAL/ *BARIUM, metabolism/ CALCIUM CHLORIDE, pharmacodynamics/ CALCIUM, blood/ *CALCIUM, metabolism/ *CORONARY DISEASE, metabolism/ CORONARY DISEASE, physiopathology/ HEART SEPTUM, metabolism/ *MYOCARDIAL CONTRACTION/ *MYOCARDIUM, metabolism/ RABBITS/ RADIOISOTOPES, diagnostic use/ SARCOLEMMA, metabolism/ *STRONTIUM, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3635. **Shinoda M, Shimizu M, Nakajin S, et al:** [Further studies on the leukocytosis promoting activity of parotin. II (author's transl)] Yakugaku Zasshi 98(8):1119–22, Aug 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ ENGLISH ABSTRACT/ *HORMONES, pharmacodynamics/ *LEUKOCYTES, drug effects/ LEUKOCYTOSIS/ MALE/ *PAROTIN, pharmacodynamics/ RABBITS/ TIME FACTORS

3636. **Shinoda M, Maejima K:** [Physiological characteristics of germfree animals (author's transl)] Jikken Dobutsu 27(3):315–27, Jul 78 **(Jpn)**
ANIMAL/ CARDIOVASCULAR SYSTEM, physiology/ DIGESTIVE SYSTEM, physiology/ ENDOCRINE GLANDS, physiology/ FEMALE/ *GERM-FREE LIFE/ GROWTH/ GUINEA PIGS/ MALE/ MICE/ MORBIDITY/ MORTALITY/ NUTRITION/ RATS/ REPRODUCTION/ RESPIRATORY SYSTEM, physiology

3637. **Shiotani Y, Ban T:** Influence of hypothalamic stimulation upon the ultrastructure of the anterior pituitary gland. Part 4. Mammotrophs. Med J Osaka Univ 28(3–4):291–304, Mar 78
ANIMAL/ ELECTRIC STIMULATION/ FEMALE/ *HYPOTHALAMUS, physiology/ MALE/ *PITUITARY GLAND, ANTERIOR, ultrastructure/ PREGNANCY/ *PROLACTIN, secretion/ PUERPERIUM/ RABBITS

3638. **Shirley DG, Skinner J:** Acute compensatory adaptation of renal function following contralateral kidney exclusion in Brattleboro rats with diabetes insipidus. J Physiol (Lond) 283:425–38, Oct 78
*ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ *DIABETES INSIPIDUS, physiopathology/ GLOMERULAR FILTRATION RATE/ KIDNEY, blood supply/ *KIDNEY, physiopathology/ LIGATION/ MALE/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ RATS/ RATS, INBRED STRAINS/ SODIUM, urine

3639. **Shiroozu A, Inoue K, Okamura K, et al:** [Iodine metabolism in the autonomous functioning thyroid nodule and para-nodular tissue (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(7):866–75, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
AMINO ACIDS, metabolism/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ *GOITER, NODULAR, metabolism/ GOITER, NODULAR, pathology/ HUMAN/ *IODINE, metabolism/ MIDDLE AGE/ PROTEINS, metabolism/ *THYROID GLAND, metabolism/ THYROID GLAND, pathology

3640. **Shizume K:** Long term antithyroid drug therapy for intractable cases of Graves' disease. Endocrinol Jpn 25(4):377–9, Aug 78
ADULT/ FEMALE/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ RECURRENCE/ *THYROID ANTAGONISTS, administration & dosage/ THYROID ANTAGONISTS, therapeutic use/ THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood

3641. **Shkhinek EK, Ach S, Abavari K:** Sviazyvaiushchaia sposobnost'

transkortina v dinamike razvitiia immunogo protsessa. Probl Endokrinol (Mosk) 24(6):94–8, Nov–Dec 78 **(Rus)**
ANIMAL/ ANTIBODIES, BACTERIAL, biosynthesis/ HEMAGGLUTININS, biosynthesis/ MALE/ PROTEIN BINDING/ RABBITS/ *TRANSCORTIN, metabolism/ *TYPHOID, immunology/ *VACCINATION/ *11-HYDROXYCORTICOSTEROIDS, blood

3642. **Shkhvatsabaia IK, Chikhladze NM, Ustinova SE:** O patogeneze arterial'noĭ gipertonii s nizkoĭ aktivnost'iu renina v plazme krovi. Kardiologiia 18(11):5–11, Nov 78 (18 ref.) (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ALDOSTERONE, blood/ COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPERALDOSTERONISM, diagnosis/ HYPERTENSION, blood/ HYPERTENSION, diagnosis/ *HYPERTENSION, etiology/ MIDDLE AGE/ MINERALOCORTICOIDS, blood/ NORMAL VALUES/ *RENIN, blood/ REVIEW/ TIME FACTORS

3643. **Shlimovich PB, Iaroshevskiĭ IuA:** Chuvstvitel'nost' izolirovannoĭ zhirovoĭ tkani k insulinu i voprosy patogeneza sakharnogo diabeta u bol'nykh s khronicheskimi zabolevaniiami pecheni. Probl Endokrinol (Mosk) 24(6):9–13, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
*ADIPOSE TISSUE, metabolism/ ADULT/ *BLOOD SUGAR, metabolism/ *DIABETES MELLITUS, etiology/ ENGLISH ABSTRACT/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ *INSULIN, diagnostic use/ LIPIDS, biosynthesis/ LIVER CIRRHOSIS, blood/ *LIVER CIRRHOSIS, complications/ LIVER CIRRHOSIS, physiopathology/ MIDDLE AGE

3644. **Shmerling ZG, Skoblina MN:** The action of ethidium bromide and chloramphenicol on the steroidogenesis induced by gonadotrophic hormones in the ovaries of amphibia and mammals. Gen Comp Endocrinol 35(4):355–9, Aug 78
ANIMAL/ *CHLORAMPHENICOL, pharmacodynamics/ *ESTROGENS, biosynthesis/ *ETHIDIUM, pharmacodynamics/ FEMALE/ FROGS/ GONADOTROPINS, EQUINE, pharmacodynamics/ MICE/ *MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ OOGENESIS, drug effects/ ORGAN WEIGHT, drug effects/ *PROGESTERONE, biosynthesis/ UTERUS, anatomy & histology

3645. **Shoda H:** [Continuative changes of cyclic AMP in manic depressive psychosis--on the correlation of lithium carbonate treatment (author's transl)] Seishin Shinkeigaku Zasshi 80(7):383–404, Jul 78 **(Jpn)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, cerebrospinal fluid/ ADOLESCENCE/ ADULT/ CARBONATES, administration & dosage/ CARBONATES, metabolism/ FEMALE/ HUMAN/ *LITHIUM, administration & dosage/ LITHIUM, metabolism/ MALE/ MIDDLE AGE/ *PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ PSYCHOSES, MANIC-DEPRESSIVE, metabolism/ RECURRENCE

3646. **Short CR, Beadle RE:** Pharmacology of antiarthritic drugs. Vet Clin North Am 8(3):401–17, Aug 78 (19 ref.)
ANIMAL/ *ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARTHRITIS, drug therapy/ *ARTHRITIS, veterinary/ ASPIRIN, blood/ ASPIRIN, pharmacodynamics/ BONE RESORPTION, drug effects/ CATTLE/ DOGS/ GLUCOCORTICOIDS, SYNTHETIC, adverse effects/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ GLUCOCORTICOIDS, SYNTHETIC, therapeutic use/ GOATS/ HORSES/ HUMAN/ INFLAMMATION, drug therapy/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ SUPEROXIDE DISMUTASE, pharmacodynamics/ SUPEROXIDE DISMUTASE, therapeutic use/ SWINE

3647. **Shramko AF, Kruglova GV, Poddubnaia IV:** Rezul'taty lecheniia limfosarkomy po skheme TsOP. Ter Arkh 50(7):80–4, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGED/ *CYCLOPHOSPHAMIDE, administration & dosage/ DRUG ADMINISTRATION SCHEDULE/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *LYMPHOSARCOMA, drug therapy/ MALE/ MIDDLE AGE/ *PREDNISOLONE, administration & dosage/ *VINCRISTINE, administration & dosage

3648. **Shulman S, Harlin B, Davis P:** New method of treatment of immune infertility. Urology 12(5):582–6, Nov 78
ANTIBODIES/ CASE REPORT/ COITUS/ FEMALE/ HUMAN/ *IMMUNOSUPPRESSION/ MALE/ METHODS/ *METHYLPREDNISOLONE, therapeutic use/ PREGNANCY/ SEMEN, immunology/ SPERMATOZOA, immunology/ *STERILITY, MALE, drug therapy/ STERILITY, MALE, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3649. **Shvartsman AIa, Tolchinskiĭ VV, Meshcheriakova IuIa:** Sluchai aberrantnoĭ shchitovidnoĭ zhelezy v okologlotochnom prostranstve. Vestn Otorinolaringol (6):66–7, Nov–Dec 78 **(Rus)**
ADULT/ CARCINOMA, PAPILLARY, pathology/ CASE REPORT/ CYSTS, pathology/ FEMALE/ HUMAN/ PHARYNGEAL DISEASES, pathology/ *PHARYNX, abnormalities/ *THYROID GLAND, abnormalities/ THYROID GLAND, pathology

3650. **Siame JL, Sebert JL, Delcambre B, et al:** Syndrome de Fanconi de l'adulte au cours d'un myélome multiple. Nouv Presse Med 7(33):2964–5, 30 Sep 78 **(Fre)**
CASE REPORT/ *FANCONI SYNDROME, etiology/ HUMAN/ KIDNEY FAILURE, CHRONIC, etiology/ MALE/ MIDDLE AGE/ *MULTIPLE MYELOMA, complications

3651. **Sicuteri F, Fanciullacci M, Michelacci S:** Decentralization supersensitivity in headache and central panalgesia. Res Clin Stud Headache 6:19–33, 1978
APOMORPHINE, adverse effects/ BRAIN, drug effects/ DOPAMINE, adverse effects/ *DRUG HYPERSENSITIVITY, complications/ *HEADACHE, etiology/ HUMAN/ MIGRAINE, etiology/ NOREPINEPHRINE, adverse effects/ PENTAZOCINE, adverse effects/ SEROTONIN, adverse effects

3652. **Siddorn JA:** Pendred's syndrome in a rural Zambian family. Med J Zambia 12(2):56–8, Apr–May 78
DEAFNESS, familial & genetic/ FEMALE/ *GOITER, familial & genetic/ *HEARING LOSS, SENSORINEURAL, familial & genetic/ HUMAN/ LEPROSY, familial & genetic/ MALE/ SYNDROME/ ZAMBIA

3653. **Sieck GC, Ramaley JA, Harper RM, et al:** Puberty-related alterations in the organization of sleep--wakefulness states: differences between spontaneous and induced pubertal conditions. Exp Neurol 61(2):407–20, 1 Sep 78
ANIMAL/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ LIGHT/ LH, blood/ *PUBERTY/ RATS/ *SLEEP, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3654. **Sieck GC, Harper RM, Taylor AN:** Periodicities in physiological activity at puberty in the female rat. Exp Neurol 61(2):421–31, 1 Sep 78
AGE FACTORS/ ANIMAL/ DIURNAL RHYTHM/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ FEMALE/ HEART, physiology/ MUSCLES, physiology/ *PERIODICITY/ *PUBERTY/ RATS/ *SLEEP, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3655. **Siegel FP, Ecanow B, Blake MI:** Caffeine as an adjunct in the treatment of atopic dermatitis [letter] Arch Dermatol 114(11):1717, Nov 78
*CAFFEINE, pharmacodynamics/ CAFFEINE, therapeutic use/ *DERMATITIS, ATOPIC, drug therapy/ DRUG THERAPY, COMBINATION/ HUMAN/ *HYDROCORTISONE, therapeutic use

3656. **Siegel L, McDonald LJ, Robin NI:** Estimation of free triiodothyronine in serum: a new method and its clinical

relevance. Clin Chem 24(11):1891–4, Nov 78
CHROMATOGRAPHY, GEL, methods/ COMPARATIVE STUDY/ DIALYSIS/ HUMAN/ THYROID DISEASES, diagnosis/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3657. **Siegel MJ, McAlister WH, Shackelford GD:** Radiographic findings in ovarian teratomas in children. AJR 131(4):613–5, Oct 78
CALCINOSIS, radiography/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ INFANT/ OVARIAN DISEASES, radiography/ *OVARIAN NEOPLASMS, radiography/ *TERATOID TUMOR, radiography

3658. **Sieghart W, Forn J, Schwarcz R, et al:** Neuronal localization of specific brain phosphoproteins. Brain Res 156(2):345–50, 10 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ AUTORADIOGRAPHY/ CHOLINE ACETYLTRANSFERASE, metabolism/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, enzymology/ GLUTAMATE DECARBOXYLASE, metabolism/ KAINIC ACID, administration & dosage/ MOLECULAR WEIGHT/ *NERVE TISSUE PROTEINS, metabolism/ NEURONS, drug effects/ NEURONS, enzymology/ *PHOSPHOPROTEINS, metabolism/ PHOSPHORYLATION/ PROTEIN KINASE, metabolism/ RATS/ SYNAPTIC MEMBRANES, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3659. **Siess EA, Wieland OH:** Glucagon-induced stimulation of 2-oxoglutarate metabolism in mitochondria from rat liver. FEBS Lett 93(2):301–6, 15 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL/ *GLUCAGON, pharmacodynamics/ KETOGLUTARATE DEHYDROGENASE COMPLEX, metabolism/ *KETOGLUTARIC ACIDS, metabolism/ MALATES, metabolism/ MALE/ MITOCHONDRIA, HEART, metabolism/ *MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION, drug effects/ RATS/ SUCCINATES, metabolism

3660. **Sigrist H, Zahler P:** Characterization of phenylisothiocyanate as a hydrophobic membrane label. FEBS Lett 95(1):116–20, 1 Nov 78
ANIMAL/ CHEMISTRY/ ERYTHROCYTE MEMBRANE/ HUMAN/ INTRACELLULAR MEMBRANES/ KINETICS/ MEMBRANE LIPIDS/ *MEMBRANE PROTEINS/ PHOSPHOLIPIDS/ RABBITS/ SARCOPLASMIC RETICULUM/ SHEEP/ SOLUBILITY/ *THIOCYANATES

3661. **Sigrist-Nelson K, Sigrist H, Ariano B, et al:** Stoichiometric labeling and inhibition of cytochrome c oxidase by phenylisothiocyanate. FEBS Lett 95(1):140–2, 1 Nov 78
BINDING SITES/ CHEMISTRY/ *CYTOCHROME OXIDASE, antagonists & inhibitors/ MACROMOLECULAR SYSTEMS/ MITOCHONDRIA, enzymology/ MOLECULAR WEIGHT/ OXYGEN CONSUMPTION, drug effects/ TEMPERATURE/ *THIOCYANATES, pharmacodynamics

3662. **Siiteri PK, Febres F, Clemens LE, et al:** Progesterone and maintenance of pregnancy: is progesterone nature's immunosuppressant? Ann NY Acad Sci 286:384–97, 11 Mar 77
ANIMAL/ FEMALE/ FOREIGN BODIES/ GRANULOMA, etiology/ HAMSTERS/ *IMMUNITY, CELLULAR, drug effects/ IMMUNOSUPPRESSION/ IN VITRO/ LEUKOCYTE CULTURE TEST, MIXED/ *PREGNANCY/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, physiology/ RATS/ SKIN DISEASES, etiology/ STEROIDS, pharmacodynamics/ *T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3663. **Siiteri PK:** Endogenous estrogen production in the young. Pediatrics 62(6 Pt 2):1134–7, Dec 78
*ANDROGENS, blood/ ANDROSTENEDIONE, blood/ DEHYDROEPIANDROSTERONE, blood/ ESTRADIOL, blood/ ESTRIOL, blood/ *ESTROGENS, blood/ ESTRONE, blood/ FEMALE/ *FETAL BLOOD, metabolism/ HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ *PROGESTERONE, blood/ SEX FACTORS/ TESTOSTERONE, blood

3664. **Silberbauer K, Sinzinger H, Winter M, et al:** Prostacyclin-like activity of endothelium and subendothelium – important for atherosclerosis? Experientia 34(11):1471–2, 15 Nov 78
ANIMAL/ *AORTA, ABDOMINAL, metabolism/ ATHEROSCLEROSIS, etiology/ ENDOTHELIUM, metabolism/ MALE/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, metabolism/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, metabolism/ RABBITS/ RATS

3665. **Siliato F, Scarsi MR, Bonioli E, et al:** Alterazioni oculari nell'artrite reumatoide. Minerva Pediatr 30(22):1761–6, 30 Nov 78 **(Ita)**
ADRENAL CORTEX HORMONES, adverse effects/ *ARTHRITIS, JUVENILE RHEUMATOID, complications/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CHLOROQUINE, adverse effects/ CONJUNCTIVITIS, etiology/ EYE DISEASES, chemically induced/ *EYE DISEASES, etiology/ FEMALE/ GOLD, adverse effects/ HUMAN/ IRIDOCYCLITIS, etiology/ KERATITIS, etiology/ MALE/ PENICILLAMINE, adverse effects/ SCLERA/ UVEITIS, etiology

3666. **Silman RE, Holland D, Chard T, et al:** The ACTH 'family tree' of the rhesus monkey changes with development. Nature 276(5687):526–8, 30 Nov 78
ADRENAL GLANDS, growth & development/ ANIMAL/ *CORTICOTROPIN, biosynthesis/ ENDORPHINS, biosynthesis/ GESTATIONAL AGE/ LIPOTROPIN, biosynthesis/ MONKEYS/ MSH, biosynthesis/ PEPTIDE FRAGMENTS, biosynthesis/ *PITUITARY GLAND, embryology/ *PITUITARY GLAND, growth & development/ PITUITARY GLAND, metabolism/ *PROTEIN PRECURSORS, biosynthesis/ RHESUS MONKEYS

3667. **Silva de Sá MF, Meirelles RS:** Estriol antagonism of the action of bradykinin and adrenalin on human umbilical artery. Gynecol Obstet Invest 9(1):49–56, 1978
*BRADYKININ, antagonists & inhibitors/ BRADYKININ, pharmacodynamics/ *EPINEPHRINE, antagonists & inhibitors/ EPINEPHRINE, pharmacodynamics/ *ESTRIOL, pharmacodynamics/ HUMAN/ INFANT, NEWBORN/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PERFUSION/ *UMBILICAL ARTERIES, drug effects/ VASOMOTOR SYSTEM, drug effects

3668. **Silver MJ, Bills TK, Smith JB:** Platelets and prostaglandins: the key role of platelet phospholipase A2 activity. pp. 213–25.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (35 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ARACHIDONIC ACIDS, metabolism/ *BLOOD PLATELETS, metabolism/ HEMOSTASIS/ HUMAN/ INFLAMMATION, drug therapy/ MONOGRAPH/ PHOSPHOLIPASE, antagonists & inhibitors/ *PHOSPHOLIPASE, blood/ PHOSPHOLIPIDS, blood/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, metabolism/ REVIEW/ THROMBOSIS, blood/ THROMBOSIS, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3669. **Silverman VE, Boyd AE 3d, McCrary JA 3d, et al:** Pituitary apoplexy following chlorpromazine stimulation. Arch Intern Med 138(11):1738–9, Nov 78
ADENOMA, CHROMOPHOBE, diagnosis/ ADENOMA, CHROMOPHOBE, pathology/ ADENOMA, CHROMOPHOBE, secretion/ ADULT/ CASE REPORT/ *CHLORPROMAZINE, adverse effects/ CHLORPROMAZINE, diagnostic use/ HUMAN/ *HYPOTENSION, chemically induced/ HYPOTENSION, complications/ MALE/ *PITUITARY DISEASES, chemically induced/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, blood/ PROLACTIN, secretion

3670. **Silvestro JR, Baust JA:** The use of dental development as a measure of school readiness. ASDC J Dent Child

45(6):455–7, Nov–Dec 78
*AGE DETERMINATION BY TEETH/ BRAIN, growth & development/ CHILD BEHAVIOR/ *CHILD DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ COGNITION/ *EDUCATIONAL MEASUREMENT/ HUMAN/ PITUITARY GLAND, physiology/ *SCHOOL ADMISSION CRITERIA/ SKULL, growth & development/ TOOTH ERUPTION

3671. **Simon B, Kather H, Kommerell B:** Effects of prostaglandins and their methylated analogues upon human adenylate cyclase in the upper gastrointestinal tract. Digestion 17(6):547–53, 1978
*ADENYL CYCLASE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DUODENUM, enzymology/ *GASTRIC MUCOSA, enzymology/ HUMAN/ *INTESTINAL MUCOSA, enzymology/ PROSTAGLANDINS A, administration & dosage/ *PROSTAGLANDINS A, pharmacodynamics/ PROSTAGLANDINS A, SYNTHETIC, administration & dosage/ *PROSTAGLANDINS A, SYNTHETIC, pharmacodynamics/ PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS E, SYNTHETIC, administration & dosage/ *PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ PYLORIC ANTRUM, enzymology

3672. **Simon B, Stiehl A, Feurle G, et al:** Erfolgreiche Ulkusbehandlung mit Cimetidin bei einem Patienten mit primärem Hyperparathyreoidismus. Med Klin 73(43):1513–6, 27 Oct 78 (Eng. Abstr.) **(Ger)**
AGED/ CASE REPORT/ *CIMETIDINE, therapeutic use/ ENGLISH ABSTRACT/ GASTRINS, secretion/ *GUANIDINES, therapeutic use/ HUMAN/ *HYPERPARATHYROIDISM, complications/ MALE/ PARATHYROID HORMONE, secretion/ PEPTIC ULCER, complications/ *PEPTIC ULCER, drug therapy

3673. **Simon BE:** Transsexual surgery. Ann Plast Surg 1(2):129–9, Mar 78
ADAPTATION, PSYCHOLOGICAL/ FEMALE/ HUMAN/ MALE/ *SEX REVERSAL, GONADAL/ SURGERY, PLASTIC, methods/ TRANSSEXUALISM, surgery

3674. **Simonin R:** Les troubles de la sexualité en période ménopausique. Probl Actuels Endocrinol Nutr (21):133–50, 1977 (75 ref.) **(Fre)**
ADULT/ AGED/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ LIBIDO, drug effects/ MALE/ *MENOPAUSE/ MIDDLE AGE/ NORETHYNODREL, therapeutic use/ PROGESTATIONAL HORMONES, therapeutic use/ PSYCHOTHERAPY/ REVIEW/ *SEX DISORDERS, etiology/ SEX DISORDERS, therapy/ TESTOSTERONE, therapeutic use/ VAGINAL DISEASES, etiology

3675. **Simpson CW, Ruwe WD, Malven PV, et al:** Serum thyroxin levels during hyperthermia evoked in the monkey by intrahypothalamic injection of PGE1, 5-HT or pyrogen. Brain Res Bull 3(3):275–8, May–Jun 78
ANIMAL/ BODY TEMPERATURE, drug effects/ FEVER, blood/ *FEVER, chemically induced/ *HYPOTHALAMUS, drug effects/ MONKEYS/ *PROSTAGLANDINS E, pharmacodynamics/ *PYROGENS, pharmacodynamics/ *SEROTONIN, pharmacodynamics/ *THYROXINE, blood/ UNITED STATES GOV'T SUPPORTED

3676. **Simpson ER, Miller DA:** Cholesterol side-chain cleavage, cytochrome P450, and iron-sulfur protein in human placental mitochondria. Arch Biochem Biophys 190(2):800–8, Oct 78
*CHOLESTEROL DESMOLASE, metabolism/ *CYTOCHROME P-450, metabolism/ CYTOCHROMES, metabolism/ ELECTRON SPIN RESONANCE/ ELECTRON TRANSPORT/ FEMALE/ HUMAN/ *IRON-SULFUR PROTEINS, metabolism/ KINETICS/ *METALLOPROTEINS, metabolism/ *MITOCHONDRIA, enzymology/ *OXIDOREDUCTASES, metabolism/ *PLACENTA, enzymology/ PREGNANCY/ PREGNENOLONE, biosynthesis/ SPECTROPHOTOMETRY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3677. **Simpson JB, Mangiapane ML, Dellmann HD:** Central receptor sites for angiotensin-induced drinking: a critical review. Fed Proc 37(13):2676–82, Nov 78 (36 ref.)
*ANGIOTENSIN II, metabolism/ ANIMAL/ BLOOD PRESSURE/ *BRAIN, metabolism/ CEREBRAL VENTRICLES, metabolism/ *DRINKING/ HYPOTHALAMUS, metabolism/ PREOPTIC AREA, metabolism/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ REVIEW/ SUBFORNICAL ORGAN, metabolism

3678. **Simpson JL:** Male pseudohermaphroditism: genetics and clinical delineation. Hum Genet 44(1):1–49, 19 Oct 78
ABNORMALITIES, MULTIPLE, familial & genetic/ HUMAN/ HYPOSPADIAS, familial & genetic/ MALE/ METABOLISM, INBORN ERRORS, familial & genetic/ MOSAICISM/ PENIS, abnormalities/ PHENOTYPE/ PSEUDOHERMAPHRODITISM, diagnosis/ *PSEUDOHERMAPHRODITISM, familial & genetic/ SEX CHROMOSOME ABNORMALITIES, classification/ SEX DIFFERENTIATION DISORDERS, classification/ STEROID HYDROXYLASES, deficiency/ TERATOGENS, pharmacodynamics/ TESTICULAR FEMINIZATION, familial & genetic/ TURNER'S SYNDROME, familial & genetic/ Y CHROMOSOME

3679. **Simson JA, Hazen D, Spicer SS, et al:** Secretagogue-mediated discharge of nerve growth factor from granular tubules of male mouse submandibular glands: an immunocytochemical study. Anat Rec 192(3):375–87, Nov 78
ANIMAL/ CYTOPLASMIC GRANULES, analysis/ IMMUNOENZYME TECHNICS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ *MICE, metabolism/ *NERVE GROWTH FACTOR, analysis/ NERVE GROWTH FACTOR, secretion/ PHENYLEPHRINE, pharmacodynamics/ PILOCARPINE, pharmacodynamics/ *SUBMANDIBULAR GLAND, analysis/ SUBMANDIBULAR GLAND, drug effects/ SUBMANDIBULAR GLAND, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3680. **Sinding C, Robinson AG:** Maturation de la vasopressine dans le système hypothalamo-hypophysaire du rat. Ann Endocrinol (Paris) 39(3):223–4, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, embryology/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, growth & development/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, secretion/ NEUROPHYSINS, secretion/ OXYTOCIN, secretion/ PREGNANCY/ RATS/ *VASOPRESSINS, secretion

3681. **Singer TP, Edmondson DE:** Flavoproteins (overview). Methods Enzymol 53:397–418, 1978
ELECTRON TRANSPORT/ *FLAVOPROTEINS, metabolism/ KINETICS/ MEMBRANES, enzymology/ MOLECULAR WEIGHT/ NADH, NADPH OXIDOREDUCTASES, metabolism/ OXIDATION-REDUCTION/ *OXIDOREDUCTASES, metabolism/ OXYGEN CONSUMPTION/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3682. **Singer Z, Rożek-Lesiak K, Kobylińska-Scieszkowa M, et al:** Leczenie wielolekowe raka sutka wg Manesa. Nowotwory 28(3):263–8, Jul–Sep 78 (Eng. Abstr.) **(Pol)**
ADULT/ AGED/ ANDROGENS, administration & dosage/ *ANTINEOPLASTIC AGENTS, administration & dosage/ *BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, surgery/ DRUG THERAPY, COMBINATION, methods/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ FEMALE/ HUMAN/ MIDDLE AGE/ POSTOPERATIVE CARE

3683. **Singh A, Etta KM:** Thyroid hormone levels in Nigerians living in endemic goitrous and non-goitrous areas. Trop Geogr Med 30(2):235–40, Jun 78
GOITER, ENDEMIC, occurrence/ HUMAN/ NIGERIA/ *THYROID HORMONES, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

3684. **Singh BN, Spies SM, Mehta SP, et al:** Unusual bone scan presentation in osteomalacia: symmetrical uptake--a suggestive sign. Clin Nucl Med 3(7):292–5, Jul 78
AGED/ ARM/ BONE AND BONES, radiography/ *BONE AND BONES, radionuclide imaging/ BONE NEOPLASMS, radionuclide imaging/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/

HUMAN/ LEG/ MALE/ OSTEOMALACIA, metabolism/ *OSTEOMALACIA, radionuclide imaging/ TECHNETIUM, diagnostic use/ TECHNETIUM, metabolism

3685. **Singh I:** The architecture of cancellous bone. J Anat 127(2):305–10, Oct 78
*BONE AND BONES, anatomy & histology/ HUMAN

3686. **Singh PP, Bhattacharya SK, Bose R, et al:** Effects of some drugs influencing brain monoamines on body temperature of albino rat. Indian J Exp Biol 16(9):995–7, Sep 78
ALBINISM/ ANIMAL/ *BODY TEMPERATURE REGULATION, drug effects/ *BRAIN CHEMISTRY, drug effects/ DOPAMINE, metabolism/ FEMALE/ MALE/ MONOAMINE OXIDASE INHIBITORS, pharmacodynamics/ NOREPINEPHRINE, metabolism/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ TRYPTAMINES, pharmacodynamics

3687. **Singh SP, Snyder AK:** Interaction of ethanol and thyroxine on hepatic oxygen consumption. Proc Soc Exp Biol Med 159(2):226–9, Nov 78
*ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOLISM, complications/ *ALCOHOLISM, metabolism/ ANIMAL/ DRUG SYNERGISM/ HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, metabolism/ IN VITRO/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ *OXYGEN CONSUMPTION, drug effects/ RATS/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED

3688. **Singhal AK, Bonner DP, Schaffner CP:** Kinetics of testosterone induced-cholesterol synthesis in rat ventral prostate. Proc Soc Exp Biol Med 159(1):1–5, Oct 78
ANIMAL/ CASTRATION/ *CHOLESTEROL, biosynthesis/ COMPARATIVE STUDY/ DNA, biosynthesis/ IN VITRO/ KINETICS/ MALE/ PROSTATE, drug effects/ *PROSTATE, metabolism/ PROTEINS, biosynthesis/ RATS/ TESTIS, physiology/ *TESTOSTERONE, pharmacodynamics

3689. **Sinha AK, Colman RW:** A simple assay for adenylate cyclase in intact cells by affinity elution chromatography. Biochem J 174(3):699–702, 15 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, blood/ *BLOOD PLATELETS, enzymology/ CHROMATOGRAPHY, AFFINITY, methods/ HUMAN/ KINETICS/ PROSTAGLANDINS E, pharmacodynamics/ PROTEIN KINASE/ THEOPHYLLINE, pharmacodynamics

3690. **Sinha AP:** Neoplasms of tunica vaginalis. Br J Urol 50(6):424, Oct 78
AGED/ CASE REPORT/ HUMAN/ MALE/ MESOTHELIOMA, pathology/ *TESTICULAR NEOPLASMS, pathology

3691. **Sinha YN, Baxter SR:** Concentrations and chromatographic profile of serum GH in old ob/ob mice. Horm Metab Res 10(5):454–5, Sep 78
*AGING/ ANIMAL/ MICE/ *MICE, OBESE, blood/ PITUITARY GLAND, metabolism/ PROLACTIN, blood/ PROLACTIN, metabolism/ *SOMATOTROPIN, blood/ SOMATOTROPIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3692. **Sinzinger H, Silberbauer K, Winter M, et al:** Human rectal mucosa generates prostacyclin [letter] Lancet 2(8102):1253, 9 Dec 78
ADULT/ AGED/ FEMALE/ HUMAN/ *INTESTINAL MUCOSA, metabolism/ MALE/ MIDDLE AGE/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ *RECTUM, metabolism

3693. **Sinzinger H, Silberbauer K, Winter M:** Prostacyclin--Hemmwirkung auf die Thrombozytenanlagerung an die Gefässwand in vivo? Vasa 7(4):350–9, 1978 (Eng. Abstr.) **(Ger)**
BLOOD VESSELS, drug effects/ ENGLISH ABSTRACT/ HUMAN/ *PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics

3694. **Sirinek KR, Cataland S, O'Dorisio T, et al:** Sympathetic neuroendocrine regulation of gastric inhibitory polypeptide response to glucose. Surg Forum 28:377–9, 1977
ANIMAL/ DOGS/ ENDOCRINE GLANDS, physiology/ *GASTRIC INHIBITORY POLYPEPTIDE, blood/ *GASTROINTESTINAL HORMONES, blood/ *GLUCOSE, pharmacodynamics/ *STOMACH, metabolism/ SYMPATHETIC NERVOUS SYSTEM, physiology/ *SYMPATHOLYTICS, pharmacodynamics/ *SYMPATHOMIMETICS, pharmacodynamics

3695. **Sitaramam V, Panini SR, Rau M, et al:** Nature of the inhibition by noradrenaline of induction by cortisol of hepatic tryptophan pyrrolase. Biochem Pharmacol 28(1):77–81, 1979
ANIMAL/ CATECHOLAMINES, pharmacodynamics/ ENZYME INDUCTION, drug effects/ EPINEPHRINE, pharmacodynamics/ *HYDROCORTISONE, antagonists & inhibitors/ LIVER, drug effects/ *LIVER, enzymology/ MALE/ *NOREPINEPHRINE, pharmacodynamics/ RATS/ RNA, biosynthesis/ SOMATOTROPIN, pharmacodynamics/ SYMPATHOMIMETICS, pharmacodynamics/ TRYPTOPHAN OXYGENASE, antagonists & inhibitors/ *TRYPTOPHAN OXYGENASE, biosynthesis/ TYROSINE AMINOTRANSFERASE, antagonists & inhibitors/ TYROSINE AMINOTRANSFERASE, biosynthesis/ UNITED STATES GOV'T SUPPORTED/ 3,4-DIHYDROXYPHENYLSERINE, pharmacodynamics

3696. **Sithichoke N, Marotta SF:** Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing agonists and antagonists. Acta Endocrinol (Copenh) 89(4):726–36, Dec 78
ACOUSTIC STIMULATION/ ANIMAL/ ATROPINE, pharmacodynamics/ CORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ HYPERCAPNIA, physiopathology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENTRICULAR/ MALE/ MECAMYLAMINE, pharmacodynamics/ METHACHOLINE COMPOUNDS, pharmacodynamics/ NICOTINE, pharmacodynamics/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ *PITUITARY-ADRENAL SYSTEM, physiology/ RATS/ RECEPTORS, CHOLINERGIC, drug effects/ RECEPTORS, MUSCARINIC, drug effects/ RECEPTORS, NICOTINIC, drug effects/ *STRESS, physiopathology/ VASOPRESSINS, pharmacodynamics

3697. **Sithichoke N, Malasanos LJ, Marotta SF:** Cholinergic influences on hypothalamic-pituitary-adrenocortical activity of stressed rats: an approach utilizing choline deficient diets. Acta Endocrinol (Copenh) 89(4):737–43, Dec 78
ADRENAL GLANDS, metabolism/ ANIMAL/ BODY WEIGHT/ *CHOLINE DEFICIENCY, physiopathology/ CHOLINE, administration & dosage/ CORTICOSTERONE, biosynthesis/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ HYPERCAPNIA, physiopathology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ *PARASYMPATHETIC NERVOUS SYSTEM, physiology/ *PITUITARY-ADRENAL SYSTEM, physiology/ RATS/ RECEPTORS, CHOLINERGIC, physiology/ *STRESS, physiopathology

3698. **Sitkin MI, Gaĭdamak AN, Vinokurov II:** Sravnitel'nyĭ analiz glikoproteidov mineralizovannykh tkaneĭ nekotorykh vidov zhivotnykh. Zh Evol Biokhim Fiziol 14(5):428–31, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BONE AND BONES, analysis/ CATTLE/ CHEMISTRY/ CHICK EMBRYO/ COMPARATIVE STUDY/ DENTAL ENAMEL, analysis/ DENTIN, analysis/ DOGS/ *EGG SHELL, analysis/ ENGLISH ABSTRACT/ EVOLUTION/ FISHES/ *GLYCOPROTEINS, analysis/ *MOLLUSCA, analysis/ RATS/ SPECIES SPECIFICITY/ SWINE/ *TOOTH, analysis

3699. **Sito A, Sioch R, Rymkiewicz-Kluczyńska B, et al:** Trisomia chromosomu X o rzadko spotykanym zespole klinicznym. Pediatr Pol 53(11):1303–6, Nov 78 **(Pol)**
CASE REPORT/ FEMALE/ HUMAN/ INFANT/

KARYOTYPING/ *SEX CHROMOSOME ABNORMALITIES, diagnosis/ *TRISOMY/ X CHROMOSOME

3700. **Siverman AJ, Krey LC:** The luteinizing hormone-releasing hormone (LH-RH) neuronal networks of the guinea pig brain. I. Intra- and extra-hypothalamic projections. Brain Res 157(2):233-46, 24 Nov 78
ANIMAL/ AXONS/ *BRAIN, anatomy & histology/ GUINEA PIGS/ *HYPOTHALAMUS, anatomy & histology/ *LH-FSH RELEASING HORMONE/ MAMMILLARY BODIES, anatomy & histology/ MESENCEPHALON, anatomy & histology/ NERVE FIBERS, metabolism/ NEURAL PATHWAYS, anatomy & histology/ OLFACTORY PATHWAYS, anatomy & histology/ PREOPTIC AREA, anatomy & histology/ SEPTAL NUCLEI, anatomy & histology/ TEGMENTUM MESENCEPHALI, anatomy & histology/ THALAMIC NUCLEI, anatomy & histology/ UNITED STATES GOV'T SUPPORTED

3701. **Sizonenko PC, Gretillat A, Paunier L:** Value of serum thyroxine measurements for the management of congenital hypothyroidism in children. Helv Paediatr Acta 33(4-5):341-50, Nov 78
BODY WEIGHT, drug effects/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, congenital/ HYPERTHYROIDISM, drug therapy/ INFANT/ INFANT, NEWBORN/ MALE/ THYROID GLAND/ THYROTROPIN, blood/ *THYROXINE, blood/ TISSUE EXTRACTS, therapeutic use/ TRIIODOTHYRONINE, blood

3702. **Sizonenko PC:** Endocrinological control of growth. Postgrad Med J 54 Suppl 1:91-106, 1978 (21 ref.)
ANDROGENS, physiology/ ESTROGENS, physiology/ GLUCOCORTICOIDS, physiology/ GROWTH DISORDERS, physiopathology/ *GROWTH/ *HORMONES, physiology/ HUMAN/ HYPOTHALAMIC HORMONES, physiology/ INFANT, NEWBORN/ INSULIN, physiology/ NEUROHUMORS, physiology/ PUBERTY/ REVIEW/ SOMATOMEDIN, physiology/ SOMATOTROPIN, physiology/ SOMATOTROPIN, secretion/ THYROID HORMONES, physiology

3703. **Skalko RG, Jacobs DM:** The effect of 5-fluorouracil on [3H]nucleoside incorporation into the DNA of mouse embryos and maternal tissues. Exp Mol Pathol 29(3):303-15, Dec 78
ANIMAL/ *DNA, biosynthesis/ *EMBRYO, drug effects/ EMBRYO, metabolism/ FEMALE/ *FLUOROURACIL, pharmacodynamics/ *INTESTINES, drug effects/ INTESTINES, metabolism/ MICE/ MICE, INBRED ICR/ MITOSIS, drug effects/ *PLACENTA, drug effects/ PLACENTA, metabolism/ PREGNANCY/ *SPLEEN, drug effects/ SPLEEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3704. **Skarstein A:** Effect of vasopressin on blood flow distribution in the stomach of cats with gastric ulcer. Scand J Gastroenterol 13(7):783-8, 1978
ANIMAL/ CATS/ FEMALE/ GASTRIC MUCOSA, blood supply/ MALE/ MICROSPHERES/ REGIONAL BLOOD FLOW, drug effects/ *STOMACH ULCER, physiopathology/ *STOMACH, blood supply/ *VASOPRESSINS, pharmacodynamics

3705. **Skehan MW, Bernath AM:** Vasculitis and melphalan [letter] JAMA 240(25):2733-4, 15 Dec 78
CASE REPORT/ FEMALE/ HUMAN/ *MELPHALAN, adverse effects/ MELPHALAN, therapeutic use/ MIDDLE AGE/ OVARIAN NEOPLASMS, drug therapy/ *VASCULITIS, chemically induced

3706. **Skeldon N, Steele L:** The effects of different particulate stimuli on the extracellular release of prostaglandins and lysosomal enzymes from mouse peritoneal macrophages in vitro [proceedings] Br J Pharmacol 64(3):448P-449P, Nov 78
ANIMAL/ IN VITRO/ *LYSOSOMES, enzymology/ MACROPHAGES, drug effects/ *MACROPHAGES, metabolism/ MICE/ *PROSTAGLANDINS, metabolism

3707. **Skerfving S:** Interaction between selenium and methylmercury. Environ Health Perspect 25:57-65, Aug 78 (68 ref.)
ANIMAL/ BIOTRANSFORMATION/ DRUG INTERACTIONS/ ENZYMES, metabolism/ INTESTINAL ABSORPTION, drug effects/ *METHYL MERCURY COMPOUNDS, antagonists & inhibitors/ METHYL MERCURY COMPOUNDS, metabolism/ METHYL MERCURY COMPOUNDS, toxicity/ PLACENTA, metabolism/ PROTEIN BINDING, drug effects/ REVIEW/ *SELENIUM, pharmacodynamics/ SUBCELLULAR FRACTIONS, metabolism

3708. **Skett P:** The time course of the effect of hypophysectomy and oestrogen treatment on the hepatic metabolism of androst-4-ene-3,17-dione in male and female rats. Biochem J 174(3):753-60, 15 Sep 78
*ANDROSTENEDIONE, metabolism/ ANIMAL/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *HYPOPHYSECTOMY/ KINETICS/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ PROLACTIN, blood/ RATS/ SOMATOTROPIN, blood

3709. **Skok VI, Selianko AA:** Ionnye mekhanizmy vozbuzhdaiushchego deĭstviia peredatchika, ékzogennogo atsetilkholina i serotonina na neĭrony verkhnego sheĭnogo gangliia krolika. Neirofiziologiia 10(6):637-44, 1978 (Eng. Abstr.) **(Rus)**
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CELL MEMBRANE PERMEABILITY, drug effects/ ENGLISH ABSTRACT/ GANGLIA, AUTONOMIC, cytology/ *GANGLIA, AUTONOMIC, drug effects/ MEMBRANE POTENTIALS, drug effects/ NEURONS, drug effects/ POTASSIUM, metabolism/ RABBITS/ *RECEPTORS, CHOLINERGIC, drug effects/ *RECEPTORS, NICOTINIC, drug effects/ SEROTONIN, pharmacodynamics/ SODIUM, metabolism

3710. **Skre H, Mellgren SI, Bergsholm P, et al:** Unusual type of neural muscular atrophy with a possible X-chromosomal inheritance pattern. Acta Neurol Scand 58(4):249-60, Oct 78
ADOLESCENCE/ ADULT/ CASE REPORT/ GENES, RECESSIVE/ HUMAN/ MALE/ MUSCLES, enzymology/ MUSCLES, pathology/ MUSCULAR ATROPHY, enzymology/ *MUSCULAR ATROPHY, familial & genetic/ MUSCULAR ATROPHY, pathology/ PEDIGREE/ *SEX CHROMOSOMES/ *X CHROMOSOME

3711. **Skrinska VA, Butkus A:** Analysis of A, B, E, and F prostaglandins as pentafluorobenzyl esters by electron-capture gas-liquid chromatography. Prostaglandins 16(4):571-82, Oct 78
ANIMAL/ *CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, LIQUID/ ESTERIFICATION/ ESTERS, analysis/ KIDNEY, analysis/ PROSTAGLANDINS A, analysis/ PROSTAGLANDINS B, analysis/ PROSTAGLANDINS E, analysis/ PROSTAGLANDINS F, analysis/ *PROSTAGLANDINS, analysis/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3712. **Slatopolsky E, Rosenbaum R, Mennes P, et al:** The hypocalcemia of magnesium depletion. Adv Exp Med Biol 103:263-71, 1978 (23 ref.)
ANIMAL/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CALCIUM, urine/ DIET/ HUMAN/ *HYPOCALCEMIA, etiology/ HYPOCALCEMIA, metabolism/ *MAGNESIUM DEFICIENCY, complications/ PARATHYROID HORMONE, blood/ REVIEW/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3713. **Slaughter MH, Lohman TG, Boileau RA:** Relationship of anthropometric dimensions to lean body mass in children. Ann Hum Biol 5(5):469-82, Sep 78
*ANTHROPOMETRY/ *BODY COMPOSITION/ *BODY WEIGHT/ BONE AND BONES, anatomy & histology/ CHILD/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ POTASSIUM, analysis/ *SKINFOLD THICKNESS/ STATISTICS

3714. **Slavinski-Turley EA, Auersperg N:** Cultured adrenocortical cells in various states of differentiation: electron microscopic characterization and ultrastructural response to adrenocorticotrophin. J Endocrinol 78(3):427-34, Sep 78
ADRENAL CORTEX, drug effects/ *ADRENAL CORTEX, ultrastructure/ ANIMAL/ CELL DIFFERENTIATION/ CELLS, CULTURED/ *CORTICOTROPIN, pharmacodynamics/ EPITHELIUM, cytology/ FIBROBLASTS, metabolism/ MICROSCOPY, ELECTRON/ RATS

3715. **Slavnov VN, Epshteĭn EV, Malinkovich VD, et al:** Sekretsiia gliukagona pri nekotorykh éndokrinnykh zabolevaniiakh. Probl Endokrinol (Mosk) 24(6):35–9, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ BLOOD SUGAR, analysis/ COMPARATIVE STUDY/ *DIABETES MELLITUS, metabolism/ ENGLISH ABSTRACT/ FASTING/ *GLUCAGON, secretion/ HUMAN/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ INSULIN, diagnostic use/ ISLANDS OF LANGERHANS, secretion/ MIDDLE AGE/ *OBESITY, metabolism/ PREDIABETIC STATE, metabolism/ *THYROID DISEASES, metabolism/ TIME FACTORS

3716. **Slavnov VN, Luchitskiĭ EV, Komissarenko IV, et al:** Kortikotropnaia funktsiia gipofiza u patsientov s bolezn'iu Itsenko-Kushinga, lechennykh khloditanom. Ter Arkh 50(11):72–5, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADRENAL CORTEX, drug effects/ ADULT/ *CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, drug therapy/ *CUSHING'S SYNDROME, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *MITOTANE, therapeutic use/ *PITUITARY GLAND, ANTERIOR, physiopathology/ *PITUITARY HORMONE RELEASE INHIBITING HORMONES, therapeutic use

3717. **Slawson RG:** Radiation therapy for germinal tumors of the testes. Cancer 42(5):2216–23, Nov 78
ADOLESCENCE/ ADULT/ AGED/ CHORIOCARCINOMA, radiotherapy/ CLAVICLE/ DYSGERMINOMA, radiotherapy/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MEDIASTINUM/ MIDDLE AGE/ PROGNOSIS/ RADIOTHERAPY, HIGH ENERGY/ REMISSION/ TERATOID TUMOR, radiotherapy/ *TESTICULAR NEOPLASMS, radiotherapy

3718. **Slepushkin VD:** Disbalans elektrolitov i ego patofiziologicheskie mekhanizmy pri travmakh. Ortop Travmatol Protez (9):82–7, Sep 78 (114 ref.) **(Rus)**
CALCIUM, metabolism/ *ELECTROLYTES, metabolism/ *FRACTURES, metabolism/ HUMAN/ HYPERKALEMIA, etiology/ HYPOKALEMIA, etiology/ HYPONATREMIA, etiology/ MAGNESIUM DEFICIENCY, etiology/ MAGNESIUM, metabolism/ POTASSIUM, metabolism/ REVIEW/ *SHOCK, TRAUMATIC, metabolism/ SODIUM, metabolism/ *WATER-ELECTROLYTE IMBALANCE, etiology

3719. **Slezák J, Schulze W, Tribulová N:** Ultraštruktúrna lokalizácia adenylcyklázy v myokarde. Vplyv dimetylsulfoxidu. Bratisl Lek Listy 70(4):419–28, Oct 78 (Eng. Abstr.) **(Slo)**
*ADENYL CYCLASE, metabolism/ ANIMAL/ *DIMETHYL SULFOXIDE, diagnostic use/ DOGS/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ ISOPROTERENOL, pharmacodynamics/ *MYOCARDIUM, enzymology/ MYOCARDIUM, ultrastructure/ SARCOPLASMIC RETICULUM, enzymology

3720. **Slozhenikina LV, Fialkovskaia LA, Mikhailets LP, et al:** Izmenenie aktivnosti tirozin-aminotransferazy posle gamma-oblucheniia v rannii period émbriogeneza i vozmozhnaia rol' sistemy tsAMF v étom protsesse. Radiobiologiia 18(5):643–7, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, radiation effects/ ANIMAL/ ANIMALS, NEWBORN/ *CELL DIFFERENTIATION, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ *EMBRYONIC INDUCTION, radiation effects/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, radiation effects/ FEMALE/ GAMMA RAYS/ GESTATIONAL AGE/ LIVER, enzymology/ LIVER, radiation effects/ PREGNANCY/ RATS/ *TYROSINE AMINOTRANSFERASE, radiation effects

3721. **Sluyser M:** Hormone receptors in breast cancer [letter] Br Med J 2(6143):1023, 7 Oct 78
BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, metabolism/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ *RECEPTORS, HORMONE, metabolism

3722. **Smale LE, Smale ML, Wilkening RL, et al:** Salpingo-oophorectomy at the time of vaginal hysterectomy. Trans Pac Coast Obstet Gynecol Soc 45:4–10, 1978
ADULT/ AGED/ *CASTRATION/ *FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/ *HYSTERECTOMY/ *HYSTERECTOMY, VAGINAL/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS

3723. **Smejkal V, Smejkal V, Smejkalová E, et al:** Klinická cytologie v diagnostice rakoviny štítné žlázy. Cas Lek Cesk 117(35):1077–82, 1 Sep 78 (Eng. Abstr.) **(Cze)**
BIOPSY, NEEDLE/ CYTODIAGNOSIS/ ENGLISH ABSTRACT/ HUMAN/ *THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology

3724. **Smirnov AN:** Problema geterogennosti retseptorov steroidynkh gormonov. Probl Endokrinol (Mosk) 24(6):98–107, Nov–Dec 78 (134 ref.) **(Rus)**
ANIMAL/ CELL NUCLEUS, analysis/ CHEMISTRY/ CHEMISTRY, PHYSICAL/ COMPARATIVE STUDY/ CORTICOSTERONE/ CYTOSOL, analysis/ DEXAMETHASONE/ ESTRADIOL/ FEMALE/ HORMONES, pharmacodynamics/ HYDROCORTISONE/ MALE/ ORGAN SPECIFICITY/ ORGANOIDS, analysis/ PROTEINS, biosynthesis/ RATS/ *RECEPTORS, STEROID/ RECEPTORS, STEROID, analysis/ REVIEW/ RNA, biosynthesis/ STANOLONE/ TESTOSTERONE/ TRIAMCINOLONE ACETONIDE

3725. **Smirnov VG, Kir'ianov GI, Vaniushin BF:** Lokalizatsiia (3H)gidrokortizona v iadrakh pecheni krys. Biokhimiia 43(10):1845–53, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CELL NUCLEOLUS, metabolism/ *CELL NUCLEUS, metabolism/ CHROMATIN, metabolism/ ENGLISH ABSTRACT/ *HYDROCORTISONE, metabolism/ LIVER, metabolism/ *LIVER, ultrastructure/ METHYLATION/ RATS/ RECEPTORS, GLUCOCORTICOID, metabolism/ TRANSCRIPTION, GENETIC

3726. **Smith AJ, Wells JW:** The source of androgenic activity in the African wood Funtumia latifolia: a steroid hormone formed by the action of Fusarium solani. J Sci Food Agric 29(9):783–7, Sep 78
*ANDROGENS, biosynthesis/ ANDROGENS, isolation & purification/ ANIMAL FEED/ ANIMAL/ CHICKENS/ FEMALE/ *FUSARIUM, metabolism/ IN VITRO/ SEX DISORDERS, chemically induced/ *WOOD

3727. **Smith DM, Tyler JP, Erickson GF:** Effects of medium composition and progesterone on maturation in vitro of rabbit oocytes from Graafian follicles of different sizes. J Reprod Fertil 54(2):393–400, Nov 78
ANIMAL/ CELL DIVISION, drug effects/ CELLS, CULTURED/ CULTURE MEDIA/ FEMALE/ *GRAAFIAN FOLLICLE, cytology/ *OOCYTES, cytology/ OOCYTES, drug effects/ *OVUM, cytology/ *PROGESTERONE, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3728. **Smith DR:** Transsphenoidal surgery for pituitary tumors [letter] J Neurosurg 49(5):779–80, Nov 78
HUMAN/ NEOPLASM RECURRENCE, LOCAL/ *PITUITARY NEOPLASMS, surgery

3729. **Smith DW:** Micropenis and its management. Birth Defects 13(2):147–54, 1977 (14 ref.)
HUMAN/ MALE/ MORPHOGENESIS/ *PENIS, abnormalities/ PENIS, embryology/ REVIEW/ *SEX DIFFERENTIATION DISORDERS, embryology/ SEX DIFFERENTIATION DISORDERS, therapy/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, therapeutic use

3730. **Smith DW:** Growth deficiency dysmorphic syndromes. Postgrad Med J 54 Suppl 1:147–57, 1978
ABNORMALITIES, embryology/ *ABNORMALITIES, etiology/ ABNORMALITIES, DRUG-INDUCED, embryology/ ABNORMALITIES, MULTIPLE, embryology/ ABNORMALITIES, MULTIPLE, etiology/ ADOLESCENCE/ BONE AND BONES, abnormalities/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ *FETAL GROWTH RETARDATION, complications/ GROWTH DISORDERS, therapy/ HEREDITARY DISEASES, embryology/ HUMAN/ INFANT/ MORPHOGENESIS/ PROGNOSIS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3731. **Smith EF 3d, Ogletree ML, Sherwin JR, et al:** Effects of

prostaglandins on distribution of blood flow in the cat. Prostaglandins Med 1(5):411–8, Nov 78
ANIMAL/ CARDIAC OUTPUT, drug effects/ CATS/ MALE/ MICROSPHERES/ ORGAN SPECIFICITY/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *REGIONAL BLOOD FLOW, drug effects

3732. **Smith JB:** Lipid–membrane interactions of platelets, coagulation and the arterial wall at the molecular level. Summary of workshop 2b: lipid–membrane interactions of platelets and coagulation with the arterial wall. Adv Exp Med Biol 104:343–9, 1978
ANIMAL/ *BLOOD COAGULATION/ BLOOD PLATELETS, metabolism/ *BLOOD PLATELETS, physiology/ CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ PROSTAGLANDIN ENDOPEROXIDES, physiology/ THROMBOSIS, metabolism/ THROMBOXANE A2, physiology

3733. **Smith JB, Ingerman CM, Silver MJ:** Drug effects on platelet aggregation and prostaglandin formation. Adv Exp Med Biol 109:239–51, 1978 (50 ref.)
BLOOD VESSELS, physiology/ HUMAN/ IN VITRO/ *PLATELET AGGREGATION, drug effects/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ *PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ PROSTAGLANDINS, SYNTHETIC, pharmacodynamics/ REVIEW/ THROMBOXANE A2, pharmacodynamics

3734. **Smith JM, Gwynn CM:** A clinical comparison of aerosol and powder administration of beclomethasone dipropionate in asthma. Clin Allergy 8(5):479–81, Sep 78
ADOLESCENCE/ ADULT/ AEROSOLS/ *ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ *BECLOMETHASONE, therapeutic use/ CHILD/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MALE/ PEAK EXPIRATORY FLOW RATE/ POWDERS

3735. **Smith MC, Leatherland JF, Myers K:** Effects of seasonal availability of sodium and potassium on the adrenal cortical function of a wild population of snowshoe hares, Lepus americanus. Can J Zool 56(8):1869–76, Aug 78
ADRENAL CORTEX, metabolism/ *ADRENAL CORTEX, physiology/ ANIMAL/ FEMALE/ LAGOMORPHA, metabolism/ *LAGOMORPHA, physiology/ MALE/ *MAMMALS, physiology/ *POTASSIUM, metabolism/ PREGNANCY/ SEASONS/ *SODIUM, metabolism

3736. **Smith RJ, Aldini LP:** Immunosuppression using triamcinolone acetonide, in 17-X and NYU-2 strains of Plasmodium berghei in mice. J Parasitol 64(5):936–7, Oct 78
ANIMAL/ IMMUNITY, drug effects/ MALARIA, drug therapy/ *MALARIA, immunology/ MALE/ MICE/ *PLASMODIUM BERGHEI, immunology/ PLASMODIUM BERGHEI, pathogenicity/ SPECIES SPECIFICITY/ *TRIAMCINOLONE ACETONIDE, adverse effects/ VIRULENCE

3737. **Smith RL, Bygrave FL:** Enrichment of ruthenium red-sensitive Ca2+ transport in a population of heavy mitochondria isolated from flight-muscle of Lucilia cuprina. Further evidence for its heterogeneous distribution in the inner mitochondrial membrane. FEBS Lett 95(2):303–6, 15 Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ FLIES/ FLIGHT, ANIMAL/ *INTRACELLULAR MEMBRANES, metabolism/ MITOCHONDRIA, MUSCLE, drug effects/ *MITOCHONDRIA, MUSCLE, metabolism/ *RUTHENIUM RED, pharmacodynamics/ *RUTHENIUM, pharmacodynamics

3738. **Smithcors JF:** But they never warned me! [editorial] Mod Vet Pract 59(9):647, Sep 78
ANIMAL/ *CASTRATION, veterinary/ *DOG DISEASES, prevention & control/ *DOGS, surgery/ FEMALE/ *MAMMAE/ NEOPLASMS, prevention & control/ *NEOPLASMS, veterinary/ PREGNANCY

3739. **Smolin G, Biswell R:** Corneal graft rejection associated with anterior iris adhesion: case report. Ann Ophthalmol 10(11):1603–4, Nov 78
ADHESIONS/ CASE REPORT/ CATARACT EXTRACTION/ *CORNEA, transplantation/ CORNEAL DISEASES, complications/ CORNEAL DISEASES, drug therapy/ EDEMA, complications/ FEMALE/ *GRAFT REJECTION/ HUMAN/ *IRIS/ IRITIS, complications/ PREDNISOLONE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UVEAL DISEASES, complications/ UVEAL DISEASES, surgery

3740. **Smorshchok SA:** Submikroskopicheskie izmeneniia shchitovidnoĭ zhelezy pri ozhogovoĭ bolezni. Biull Eksp Biol Med 86(11):598–601, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *BURNS, pathology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ GUINEA PIGS/ MALE/ MICROSCOPY, ELECTRON/ *THYROID GLAND, ultrastructure/ TIME FACTORS

3741. **Snart RS, Thorne J:** Glucocorticoid binding and response in rat liver and diethylnitrosamine (DENA)-induced hepatomas. J Steroid Biochem 9(8):709–15, Aug 78
ADRENALECTOMY/ ANIMAL/ CELL NUCLEUS, metabolism/ CORTICOSTERONE, blood/ CYTOSOL, metabolism/ DEXAMETHASONE, metabolism/ DIETHYLNITROSAMINE/ *HEPATOMA, EXPERIMENTAL, metabolism/ *LIVER, metabolism/ RATS/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ TYROSINE AMINOTRANSFERASE, metabolism

3742. **Snell AP, MacLennan WJ, Hamilton JC:** Ultra-violet irradiation and 25-hydroxy-vitamin D levels in sick old people. Age Ageing 7(4):225–8, Nov 78
AGED/ CALCIUM, blood/ FEMALE/ GERIATRICS/ HOSPITAL DEPARTMENTS/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ MALE/ TIME FACTORS/ *ULTRAVIOLET THERAPY/ *VITAMIN D DEFICIENCY, radiotherapy

3743. **Snoswell AM, Costa ND, McLean JG:** Interrelationships between acetylation and the disposal of acetyl groups in the livers of dairy cows. J Dairy Res 45(3):331–8, Oct 78
*ACETATES, metabolism/ ACETOACETATES, metabolism/ ACETYL COENZYME A, metabolism/ ACETYLATION/ ANIMAL/ CATTLE/ COENZYME A, metabolism/ FEMALE/ HYDROXYBUTYRATES, metabolism/ LACTATION/ *LIVER, metabolism/ PREGNANCY

3744. **Snow MH, Scanlon MF, Mora B, et al:** Pituitary actions of somatostatin. Ann Clin Res 10(3):145–50, 1978 (62 ref.)
ANIMAL/ CORTICOTROPIN, secretion/ HUMAN/ *PITUITARY HORMONES, physiology/ PROLACTIN, secretion/ RATS/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, adverse effects/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ SOMATOTROPIN RELEASE INHIBITING HORMONE, therapeutic use/ SOMATOTROPIN, secretion/ THYROTROPIN, secretion

3745. **Snyder RD, Snyder D:** Corticosteroids for asthma during pregnancy. Ann Allergy 41(6):340–1, Dec 78
*ASTHMA, drug therapy/ FEMALE/ HUMAN/ *PREDNISONE, therapeutic use/ *PREGNANCY, drug effects

3746. **Soares JH Jr, Swerdel MR, Bossard EH:** Phosphorus availability. 1. The effect of chick age and vitamin D metabolites on the availability of phosphorus in defluorinated phosphate. Poult Sci 57(5):1305–12, Sep 78
AGE FACTORS/ ANIMAL/ BIOLOGICAL AVAILABILITY/ BODY WEIGHT/ *CHICKENS, metabolism/ *CHOLECALCIFEROLS, metabolism/ COMPARATIVE STUDY/ FLUORIDES, metabolism/ HYDROXYCHOLECALCIFEROLS, metabolism/ MALE/ *PHOSPHORUS, metabolism/ TOES, analysis

3747. **Sobel EH:** Effects of neonatal stunting on the development of rats: early and late effects of neonatal cortisone on physical growth and skeletal maturation. Pediatr Res 12(9):945–7, Sep 78
ANIMAL/ BODY WEIGHT, drug effects/ *BONE DEVELOPMENT, drug effects/ BRAIN, drug effects/ COMPARATIVE STUDY/ *CORTISONE, pharmacodynamics/ FEMALE/ *GROWTH, drug

effects/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3748. **Soboczyński A, Grzegorowski M, Wesołowski Z:** Die Kortisolkonzentration im Blutplasma bei Kindern mit subglottischer Kehlkopfentzündung. HNO 26(10):346–9, Oct 78 (Eng. Abstr.) **(Ger)**
ANXIETY/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *HYDROCORTISONE, analysis/ INFANT/ *LARYNGITIS, metabolism/ MALE

3749. **Sobrinho-Simões MA, Gonçalves V:** Nucleolar abnormalities in human papillary thyroid carcinomas.
Arch Pathol Lab Med 102(12):635–8, Dec 78
*CARCINOMA, PAPILLARY, ultrastructure/ *CELL NUCLEOLUS, ultrastructure/ CELL NUCLEUS, ultrastructure/ HUMAN/ *THYROID NEOPLASMS, ultrastructure

3750. **Sobrino F, Prieto JC, Ruiz G, et al:** Binding activity regulation of rabbit skeletal muscle adenosine 3'–5'-monophosphate-dependent protein kinases.
Rev Esp Fisiol 34(3):285–9, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ HYDROGEN-ION CONCENTRATION/ IODINE, pharmacodynamics/ *MUSCLES, enzymology/ PROTEIN BINDING, drug effects/ PROTEIN KINASE, antagonists & inhibitors/ PROTEIN KINASE, analysis/ *PROTEIN KINASE, metabolism/ PROTEIN-BOUND IODINE TEST/ RABBITS

3751. **Soeda A:** [Chemotherapy of testicular tumor]
Nippon Rinsho 36(8):3065–6, Aug 78 **(Jpn)**
ADULT/ BLEOMYCIN, administration & dosage/ DACTINOMYCIN, administration & dosage/ DRUG THERAPY, COMBINATION/ *DYSGERMINOMA, drug therapy/ HUMAN/ MALE/ *TERATOID TUMOR, drug therapy/ *TESTICULAR NEOPLASMS, drug therapy/ VINCRISTINE, administration & dosage

3752. **Soffer RL, Sonnenblick EH:** Physiologic, biochemical, and immunologic aspects of angiotensin-converting enzyme.
Prog Cardiovasc Dis 21(3):167–75, Nov–Dec 78 (67 ref.)
ANIMAL/ BRADYKININ, metabolism/ CELL MEMBRANE, enzymology/ CHEMISTRY/ DOGS/ ENZYMES, immunology/ *ENZYMES, pharmacodynamics/ ENZYMES, physiology/ *KININASE II, physiology/ PEPTIDES, pharmacodynamics/ RABBITS/ RATS/ RENIN, metabolism/ REVIEW/ SNAKES/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3753. **Sohn H, Ikeda H, Unakami H, et al:** [Parathyroid hormone-like effects of acetazolamide (author's transl)]
Nippon Naibunpi Gakkai Zasshi 54(8):949–56, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
*ACETAZOLAMIDE, pharmacodynamics/ ACID-BASE EQUILIBRIUM, drug effects/ ACIDOSIS, etiology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ CALCIUM, blood/ CALCIUM, urine/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, metabolism/ MALE/ MIDDLE AGE/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, blood/ *PHOSPHATES, urine/ POTASSIUM, urine/ PSEUDOHYPOPARATHYROIDISM, metabolism/ SODIUM, urine

3754. **Sohtome S:** [Clinico-pathological study of acute paraquat poisoning (author's transl)] Rinsho Byori 26(10):888–92, Oct 78 **(Jpn)**
ACUTE DISEASE/ ADRENAL CORTEX, pathology/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ LIVER, pathology/ LUNG, pathology/ MALE/ MIDDLE AGE/ *PARAQUAT, poisoning

3755. **Sokolowski JH:** Evaluation of estrous activity in bitches treated with mibolerone and exposed to adult male dogs.
J Am Vet Med Assoc 173(8):983–4, 15 Oct 78
ANIMAL/ *DOGS, physiology/ *ESTRUS, drug effects/ FEMALE/ MALE/ *NANDROLONE, analogs & derivatives/ NANDROLONE, pharmacodynamics/ *SEX BEHAVIOR, ANIMAL

3756. **Sokolowski JH, Kasson CW:** Effects of mibolerone on conception, pregnancy, parturition, and offspring in the Beagle. Am J Vet Res 39(5):837–9, May 78
ANIMAL/ BIRTH WEIGHT/ DOG DISEASES, chemically induced/ *DOGS, physiology/ FEMALE/ *FERTILIZATION, drug effects/ *LABOR, drug effects/ LITTER SIZE/ MALE/ *NANDROLONE, analogs & derivatives/ NANDROLONE, adverse effects/ NANDROLONE, pharmacodynamics/ PREGNANCY/ *PREGNANCY, ANIMAL, drug effects/ SEX DIFFERENTIATION DISORDERS, chemically induced/ SEX DIFFERENTIATION DISORDERS, veterinary

3757. **Solcia E, Capella C, Buffa R, et al:** Endocrine cells of the gastrointestinal tract: general aspects, ultrastructure and tumor pathology. Adv Exp Med Biol 106:11–22, 1978
CARCINOID TUMOR, classification/ CARCINOID TUMOR, secretion/ *CARCINOID TUMOR, ultrastructure/ *GASTRIC MUCOSA, cytology/ GASTRIC MUCOSA, pathology/ *GASTROINTESTINAL HORMONES, secretion/ GASTROINTESTINAL NEOPLASMS, classification/ GASTROINTESTINAL NEOPLASMS, secretion/ *GASTROINTESTINAL NEOPLASMS, ultrastructure/ HUMAN/ *INTESTINAL MUCOSA, cytology/ INTESTINAL MUCOSA, pathology/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, pathology/ PEPTIDES, secretion

3758. **Solecki J, Jaroszewicz A:** Przypadek guza szyszynki.
Neurol Neurochir Pol 12(6):761–4, Nov–Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ *BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, surgery/ CASE REPORT/ CRANIOPHARYNGIOMA, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ INTRACRANIAL PRESSURE/ MALE/ *PINEALOMA, diagnosis/ PINEALOMA, surgery

3759. **Sollertinskaya TN, Lyakas RI:** Organization of the hypothalamic-amygdaloid system in rabbits.
Neurosci Behav Physiol 8(3):245–53, Jul–Sep 77
*AMYGDALOID BODY, anatomy & histology/ AMYGDALOID BODY, physiology/ ANIMAL/ *BRAIN MAPPING/ CEREBRAL CORTEX, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, physiology/ NEURAL PATHWAYS, anatomy & histology/ NEURAL PATHWAYS, physiology/ PHYLOGENY/ RABBITS

3760. **Solov'eva NA, Krokhina EM, Esakov AI:** O vozmozhnoĭ prirode biogennogo amina v gantelevidnykh kletkakh vkusovoĭ pochki liagushki. Biull Eksp Biol Med 86(11):596–8, Nov 78 (Eng. Abstr.) **(Rus)**
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ ENGLISH ABSTRACT/ FROGS/ HISTOCYTOCHEMISTRY/ RANA TEMPORARIA/ SEROTONIN, metabolism/ *TASTE BUDS, cytology/ TASTE BUDS, metabolism

3761. **Somerville PJ, Kaye M:** Resistance to parathyroid hormone in renal failure: role of vitamin D metabolites.
Kidney Int 14(3):245–54, Sep 78
ANIMAL/ *CALCIUM, blood/ DIET/ *DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DISEASE MODELS, ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYDROXYCHOLECALCIFEROLS, metabolism/ *KIDNEY FAILURE, ACUTE, metabolism/ *KIDNEY FAILURE, CHRONIC, metabolism/ *PARATHYROID HORMONE, pharmacodynamics/ RATS/ THYROIDECTOMY/ TISSUE EXTRACTS, pharmacodynamics/ UREMIA, metabolism/ UREMIA, physiopathology/ VITAMIN D DEFICIENCY, metabolism

3762. **Sonka J, Hilgertová J, Sevčík J, et al:** In vitro and in vivo inhibitory effect of dehydroepiandrosterone on respiration.
Endocrinol Exp (Bratisl) 12(3):165–9, Sep 78
ANIMAL/ *DEHYDROEPIANDROSTERONE, pharmacodynamics/ KINETICS/ MALE/ MITOCHONDRIA, HEART, drug effects/ *MITOCHONDRIA, HEART, metabolism/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ *OXYGEN CONSUMPTION, drug effects/ RATS

3763. **Sönnichsen N, Alberecht-Nebe H, Schulze P, et al:** Immunsuppressive Therapie bei Autoimmunkrakrankheiten I. Allgemeine Grundlagen. Dermatol Monatsschr 164(11):769-78, Nov 78 (19 ref.) (Eng. Abstr.) **(Ger)**
ANTIGEN-ANTIBODY REACTIONS/ *AUTOIMMUNE DISEASES, therapy/ AZATHIOPRINE, therapeutic use/ B-LYMPHOCYTES, immunology/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ *IMMUNOSUPPRESSION, methods/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ METHOTREXATE, therapeutic use/ REVIEW/ T-LYMPHOCYTES, immunology

3764. **Sörensen R, Apitzsch DE, Trüber E:** Nebennierenmetastasen--Stellenwert der Angiographie. ROEFO 129(4):470-5, Oct 78 (Eng. Abstr.) **(Ger)**
*ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, blood supply/ ADULT/ AGED/ ANGIOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *NEOPLASM METASTASIS, radiography

3765. **Sorez JP, Derambure S, Cécile JP, et al:** Problèmes posés par l'hypertension réno-vasculaire: cas particulier d'une observation d'hypercalcémie idiopathique. J Radiol Electrol Med Nucl 59(6-7):441-2, Jun-Jul 78 **(Fre)**
ADOLESCENCE/ CASE REPORT/ HUMAN/ *HYPERCALCEMIA, complications/ *HYPERTENSION, RENAL, complications/ *HYPERTENSION, RENOVASCULAR, complications/ MALE

3766. **Sorokin AS, Gizatulin ZIa, Marchenko NI, et al:** Vliianie fizicheskoĭ trenirovki na vosstanovlenie pecheni krys posle chastichnoĭ gepatéktomii. Biull Eksp Biol Med 86(10):483-6, Oct 78 (Eng. Abstr.) **(Rus)**
ADRENAL CORTEX HORMONES, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ ENGLISH ABSTRACT/ *EXERTION/ HEPATECTOMY/ LIVER GLYCOGEN, metabolism/ *LIVER REGENERATION/ LIVER, enzymology/ MALE/ MITOTIC INDEX/ PHYSICAL CONDITIONING, ANIMAL/ PLOIDIES/ RATS

3767. **Sorokin SP, Hoyt RF Jr:** PAS-lead hematoxylin as a stain for small-granule endocrine cell populations in the lungs, other pharyngeal derivatives and the gut. Anat Rec 192(2):245-59, Oct 78
ADRENAL MEDULLA, cytology/ ANIMAL/ CATS/ CYTOPLASMIC GRANULES, analysis/ *ENDOCRINE GLANDS, cytology/ HAMSTERS/ HEMATOXYLIN, diagnostic use/ *INTESTINAL MUCOSA, cytology/ *LUNG, cytology/ MICE/ PERIODIC ACID-SCHIFF REACTION/ RABBITS/ RATS/ STAINS AND STAINING/ THYROID GLAND, cytology/ *TRACHEA, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3768. **Sostre S, Ashare AB, Quinones JD, et al:** Thyroid scintigraphy: pinhole images versus rectilinear scans. Radiology 129(3):759-62, Dec 78
COMPARATIVE STUDY/ HUMAN/ *RADIONUCLIDE IMAGING, instrumentation/ *THYROID DISEASES, radionuclide imaging

3769. **Soto JM, Villalba Pimentel L, Alvarado Romero J:** Estudio clínico comparativo entre diflucortolona y flumetasona. Med Cutan Iber Lat Am 5(4):267-70, 1977 (Eng. Abstr.) **(Spa)**
CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ *FLUMETHASONE, administration & dosage/ FLUMETHASONE, adverse effects/ FLUMETHASONE, therapeutic use/ *FLUOCORTOLONE, administration & dosage/ FLUOCORTOLONE, adverse effects/ FLUOCORTOLONE, therapeutic use/ HUMAN/ MALE/ OINTMENTS/ *PREGNADIENEDIOLS, administration & dosage/ *SKIN DISEASES, drug therapy

3770. **Soulairac A, Soulairac ML:** Interactions neurohormonales dans la régulation du comportement sexuel. Probl Actuels Endocrinol Nutr (21):13-41, 1977 (71 ref.) **(Fre)**
ANIMAL/ CEREBRAL CORTEX, physiology/ COMPARATIVE STUDY/ EPINEPHRINE, physiology/ ESTRADIOL, physiology/ FEMALE/ HYPOTHALAMUS, physiology/ MALE/ *NEUROHUMORS, physiology/ NOREPINEPHRINE, physiology/ PREOPTIC AREA, physiology/ PROGESTERONE, physiology/ RATS/ REVIEW/ SEROTONIN, physiology/ *SEX BEHAVIOR, ANIMAL, physiology/ *SEX HORMONES, physiology/ STANOLONE, physiology/ TESTOSTERONE, physiology

3771. **Sowers JR, Fayez J, Colantino M, et al:** The effect of intra-amniotic prostaglandin F2alpha on anterior pituitary hormone release during midtrimester abortion. Fertil Steril 30(4):403-7, Oct 78
*ABORTION, INDUCED, methods/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ *PITUITARY HORMONES, ANTERIOR, secretion/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ PROLACTIN, blood/ *PROSTAGLANDINS F, pharmacodynamics/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ UREA, pharmacodynamics

3772. **Spagna VA, Maeder MC, Johnson JC, et al:** Normal pressure hydrocephalus, parkinsonism, and primary empty sella--coincidence or cause-effect? Neurology (Minneap) 28(11):1191-3, Nov 78
AGED/ CASE REPORT/ CEREBROSPINAL FLUID SHUNTS/ DRUG THERAPY, COMBINATION/ *EMPTY SELLA SYNDROME, complications/ FEMALE/ HUMAN/ *HYDROCEPHALUS, complications/ *HYDROCEPHALUS, NORMAL PRESSURE, complications/ HYDROCEPHALUS, NORMAL PRESSURE, surgery/ JUGULAR VEINS/ LEVODOPA, administration & dosage/ METHYLDOPAHYDRAZINE, administration & dosage/ *PARKINSON DISEASE, complications/ PARKINSON DISEASE, drug therapy

3773. **Spagnuolo C, Galli C, Omini C, et al:** Antipyretic action of mepacrine without blockade of prostaglandin (PG) synthesis in the C.N.S. Pharmacol Res Commun 10(8):779-86, Sep 78
*ANALGESICS, ANTI-INFLAMMATORY/ ANIMAL/ BRAIN, drug effects/ *BRAIN, metabolism/ INDOMETHACIN, pharmacodynamics/ MALE/ PENTYLENETETRAZOLE, pharmacodynamics/ PROSTAGLANDINS F, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ QUINACRINE, metabolism/ *QUINACRINE, pharmacodynamics/ RATS

3774. **Spater HW, Novikoff AB, Spater SH, et al:** Pyridoxal phosphatase: cytochemical localization in GERL and other organelles of rat neurons. J Histochem Cytochem 26(10):809-21, Oct 78
ANIMAL/ *ENDOPLASMIC RETICULUM, enzymology/ FIXATIVES/ GANGLIA, AUTONOMIC, enzymology/ GANGLIA, SPINAL, enzymology/ HYDROGEN-ION CONCENTRATION/ HYPOTHALAMUS, enzymology/ MALE/ MOTOR NEURONS, enzymology/ *NEURONS, enzymology/ NEURONS, ultrastructure/ ORGANOIDS, enzymology/ *PHOSPHATASES, analysis/ PYRIDOXAL PHOSPHATE/ RATS/ THALAMUS, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3775. **Spellacy WN, Buhi WC, Dumbaugh VA, et al:** The effects of a once-a-week steroid contraceptive (R2323) on lipid and carbohydrate metabolism in women during three months of use. Fertil Steril 30(3):289-92, Sep 78
BLOOD SUGAR, metabolism/ *CARBOHYDRATES, metabolism/ CHOLESTEROL, blood/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, SYNTHETIC, administration & dosage/ *CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ HUMAN/ INFORMED CONSENT/ INSULIN, blood/ *LIPIDS, blood/ NORGESTRIENONE, analogs & derivatives/ *NORGESTRIENONE, pharmacodynamics/ *NORPREGNATRIENES, pharmacodynamics/ TRIGLYCERIDES, blood

3776. **Spelsberg TC, Webster R, Pikler G, et al:** Nuclear binding sites ('acceptors') for progesterone in avian oviduct: characterization of the highest-affinity sites. Ann NY Acad Sci 286:43-63, 11 Mar 77 (55 ref.)
ANIMAL/ BINDING SITES/ BINDING,

COMPETITIVE/ CARRIER PROTEINS, metabolism/ CELL NUCLEUS, metabolism/ CHICKENS/ CHROMATIN, metabolism/ FEMALE/ IN VITRO/ *NUCLEOPROTEINS, metabolism/ *OVIDUCTS, metabolism/ *PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ REVIEW/ RNA POLYMERASES, metabolism/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3777. **Spencer H, Kramer L, Osis D, et al:** Effect of a high protein (meat) intake on calcium metabolism in man. Am J Clin Nutr 31(12):2167–80, Dec 78
ADULT/ AGED/ CALCIUM, administration & dosage/ *CALCIUM, metabolism/ CALCIUM, urine/ *DIETARY PROTEINS, administration & dosage/ HUMAN/ INTESTINAL ABSORPTION/ MALE/ MEAT/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3778. **Speranskaia NV, Nekrasova AA, Bankuzova EV, et al:** Tsiklicheskie nukleotidy v plazme krovi pri arterial'noĭ gipertonii. Kardiologiia 18(11):46–51, Nov 78 (Eng. Abstr.) **(Rus)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EPINEPHRINE, blood/ EXERTION/ FUROSEMIDE, diagnostic use/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ HUMAN/ *HYPERTENSION, blood/ *NUCLEOTIDES, CYCLIC, blood/ TIME FACTORS

3779. **Sperelakis N:** Cultured heart cell reaggregate model for studying cardiac toxicology. Environ Health Perspect 26:243–67, Oct 78 (102 ref.)
ACTION POTENTIALS, drug effects/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ BLOOD VESSELS, cytology/ CELL AGGREGATION/ CELL SEPARATION/ CELLS, CULTURED/ CHICK EMBRYO/ *HEART, drug effects/ HEART, embryology/ ION CHANNELS, drug effects/ ION CHANNELS, metabolism/ MEMBRANE POTENTIALS, drug effects/ METHODS/ *MYOCARDIUM, cytology/ MYOCARDIUM, metabolism/ MYOCARDIUM, ultrastructure/ MYOFIBRILS, ultrastructure/ ORGAN CULTURE/ POTASSIUM, metabolism/ REVIEW/ SODIUM, metabolism/ TETRODOTOXIN, pharmacodynamics/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3780. **Sperling O, Weinberger A, Benjamin D, et al:** Hereditary renal hypouricemia: heterogeneity of tubular abnormality. Monogr Hum Genet 10:122–6, 1978
ADULT/ CALCIUM, metabolism/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROBENECID, diagnostic use/ PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS, familial & genetic/ *PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS, metabolism/ PYRAZINAMIDE, diagnostic use/ URIC ACID, blood/ *URIC ACID, metabolism/ URIC ACID, urine

3781. **Spiegel AM, Doppman JL, Marx SJ, et al:** Preoperative localization of abnormal parathyroid: neck massage versus arteriography and selective venous sampling. Ann Intern Med 89(6):935–6, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ HUMAN/ *HYPERPARATHYROIDISM/ HYPERPARATHYROIDISM, metabolism/ HYPERPARATHYROIDISM, radiography/ HYPERPARATHYROIDISM, surgery/ *MASSAGE/ NECK/ *PARATHYROID GLANDS/ PARATHYROID GLANDS, metabolism/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, blood

3782. **Spijker HJ:** A procedure for obtaining thin sections of undercalcified bone biopsies embedded in methyl methacrylate. Microsc Acta 81(1):17–26, Sep 78
*BONE AND BONES, anatomy & histology/ *HISTOLOGICAL TECHNICS/ HISTOLOGICAL TECHNICS, instrumentation/ HUMAN/ METHYLMETHACRYLATE

3783. **Spitz J, Schmidt M:** Beeinflussung des TSH-TRH-Testes durch jodhaltige Röntgenkontrastmittel. ROEFO 129(4):445–7, Oct 78 (Eng. Abstr.) **(Ger)**
CONTRAST MEDIA/ ENGLISH ABSTRACT/ HUMAN/ *IODINE, diagnostic use/ SERUM ALBUMIN, RADIO-IODINATED, analysis/ *THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, blood/ TRIIODOTHYRONINE, blood

3784. **Spławiński JA:** Rola prostaglandyn w gorączce szczurów wywołanej przez endotoksynę. Folia Med Cracov 20(2):171–90, 1978 (Eng. Abstr.) **(Pol)**
ANIMAL/ *ENDOTOXINS/ ENGLISH ABSTRACT/ *FEVER, physiopathology/ MALE/ MODELS, BIOLOGICAL/ PROSTAGLANDINS E, physiology/ PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, metabolism/ *PROSTAGLANDINS, physiology/ RATS

3785. **Spoljar M, Drews U:** Identical action of Y chromosome and sxr factor in early testicular development in the mouse. Anat Embryol (Berl) 155(1):115–26, 5 Dec 78
ANIMAL/ MICE/ MUTATION/ *SEX CHROMOSOMES/ *SEX REVERSAL, GONADAL/ *TESTIS, embryology/ TESTIS, pathology/ *Y CHROMOSOME

3786. **Sprayregen S, Brandt LJ, Bohm S, et al:** Bleeding intraperitoneal varix. Demonstration by arteriography and successful treatment with infusion of vasopressin into the superior mesenteric artery. Angiology 29(11):857–61, Nov 78
*ANGIOGRAPHY/ CASE REPORT/ FEMALE/ HEMOPERITONEUM, drug therapy/ *HEMOPERITONEUM, etiology/ HUMAN/ INFUSIONS, INTRA-ARTERIAL/ MESENTERIC ARTERIES/ MIDDLE AGE/ RUPTURE, SPONTANEOUS/ *SPLENIC VEIN/ *VARICOSE VEINS, complications/ VARICOSE VEINS, drug therapy/ VARICOSE VEINS, radiography/ *VASOPRESSINS, administration & dosage

3787. **Srivastava K, Das Gupta PK, Mehrotra PK:** Monoamine oxidase activity in the pituitary of mice after estrogen, progesterone and centchroman treatment. Indian J Physiol Pharmacol 22(3):310–2, Jul-Sep 78
ANIMAL/ *BENZOPYRANS, pharmacodynamics/ *CENTCHROMAN, pharmacodynamics/ COMPARATIVE STUDY/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ *MONOAMINE OXIDASE, metabolism/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, enzymology/ PROGESTERONE, pharmacodynamics

3788. **Srivastava KK, Bhattacharya AK, Galatius-Jensen F, et al:** Pycnodysostosis: (report of four cases). Australas Radiol 22(1):70–8, Mar 78
ADOLESCENCE/ CASE REPORT/ CHILD/ HUMAN/ MALE/ *MUCOPOLYSACCHARIDOSIS 6, radiography/ *MUCOPOLYSACCHARIDOSIS, radiography/ *OSTEOPETROSIS, radiography/ SYNDROME

3789. **St Louis PJ, Sulakhe PV:** Protein analysis of cardiac sarcolemma: effects of membrane-perturbing agents on membrane proteins and calcium transport. Biochemistry 17(21):4540–50, 17 Oct 78
ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ GUINEA PIGS/ MEMBRANE PROTEINS, isolation & purification/ *MEMBRANE PROTEINS, metabolism/ MOLECULAR WEIGHT/ MUSCLE PROTEINS, isolation & purification/ MUSCLE PROTEINS, metabolism/ *MYOCARDIUM, metabolism/ PHOSPHOLIPASE/ PHOSPHORYLATION/ *SARCOLEMMA, metabolism/ TRYPSIN

3790. **Stach R, Lazarova MB, Kacz D:** Kindled seizures from rabbits amygdala: an electroencephalographic and behavioral study. Acta Neurobiol Exp (Warsz) 38(4):227–32, 1978
*AMYGDALOID BODY, physiopathology/ ANIMAL/ *CONVULSIONS, physiopathology/ ELECTRIC STIMULATION, methods/ ELECTROENCEPHALOGRAPHY/ MALE/ MOTOR ACTIVITY, physiology/ MOTOR CORTEX, physiopathology/ RABBITS

3791. **Stachowiak M, Białowąs J, Jurkowski M:** Catecholamines in some hypothalamic and telencephalic nuclei of food deprived rats. Acta Neurobiol Exp (Warsz) 38(4):157–65, 1978
ANIMAL/ *DOPAMINE, metabolism/ *FOOD DEPRIVATION, physiology/ *HYPOTHALAMUS, metabolism/ MALE/ *NOREPINEPHRINE, metabolism/ PARAVENTRICULAR NUCLEUS, metabolism/ RATS

3792. **Stadler HE, Smith JR:** Infantile rickets: a report of two cases. J Indiana State Med Assoc 71(11):1072–3, Nov 78
ADOLESCENCE/ AGE FACTORS/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ RICKETS, prevention & control/ *RICKETS, radiography

3793. **Stähl S:** Calcium uptake and survival of Bacillus stearothermophilus. Arch Microbiol 119(1):17–24, 4 Oct 78
AEROBIOSIS/ ANAEROBIOSIS/ *BACILLUS STEAROTHERMOPHILUS, metabolism/ BACILLUS STEAROTHERMOPHILUS, physiology/ *CALCIUM, metabolism/ CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE, pharmacodynamics/ GLUCOSEPHOSPHATES, metabolism/ TEMPERATURE

3794. **Stalcup SA, Pang LM, Lipset JS, et al:** Gestational changes in pulmonary converting enzyme activity in the fetal rabbit. Circ Res 43(5):705–11, Nov 78
ANGIOTENSIN I, diagnostic use/ ANIMAL/ BODY WEIGHT/ BRADYKININ, diagnostic use/ BRADYKININ, metabolism/ ENDOTHELIUM, ultrastructure/ FEMALE/ *FETUS, physiology/ GESTATIONAL AGE/ KININASE II, analysis/ *KININASE II, metabolism/ LUNG, embryology/ *LUNG, enzymology/ MICROCIRCULATION, ultrastructure/ PERFUSION/ PLACENTA, enzymology/ PREGNANCY/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3795. **Stambaugh JE Jr, Redfield ES:** Ectopic production of ACTH by a primary adenocarcinoma of the colon. J Med Soc NJ 75(13):925–6, Dec 78
ADENOCARCINOMA, pathology/ *ADENOCARCINOMA, secretion/ AGED/ CASE REPORT/ COLONIC NEOPLASMS, pathology/ *COLONIC NEOPLASMS, secretion/ *CORTICOTROPIN, secretion/ *HORMONES, ECTOPIC, secretion/ HUMAN/ MALE/ NEOPLASM METASTASIS

3796. **Stanbury SW:** Vitamin D and the syndromes of azotaemic osteodystrophy. Contrib Nephrol 13:132–46, 1978 (57 ref.)
BONE RESORPTION/ CALCIUM, blood/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DRUG RESISTANCE/ ERGOCALCIFEROL, therapeutic use/ HUMAN/ HYPOPARATHYROIDISM, physiopathology/ KIDNEY FAILURE, CHRONIC, drug therapy/ *KIDNEY FAILURE, CHRONIC, metabolism/ PHOSPHATES, blood/ PSEUDOHYPOPARATHYROIDISM, physiopathology/ REVIEW/ *UREMIA, metabolism/ *VITAMIN D, metabolism

3797. **Stanchfield JE, Yager JD Jr:** An estrogen responsive primary amphibian liver cell culture system. Exp Cell Res 116(2):239–52, 15 Oct 78
CELL DIVISION/ CELLS, CULTURED/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ FROGS/ INSULIN, pharmacodynamics/ *LIVER, cytology/ LIVER, metabolism/ PROTEINS, biosynthesis/ TYROSINE AMINOTRANSFERASE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITELLOGENIN, biosynthesis

3798. **Stanton GJ, Johnson HM, Baron S:** The role of interferon in virus infections and antibody formation. Pathobiol Annu 8:285–313, 1978 (136 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ *ANTIBODY FORMATION/ CELLS, CULTURED/ CHICKENPOX, therapy/ COMMON COLD, therapy/ CYTOMEGALIC INCLUSION DISEASE, therapy/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HEPATITIS B, therapy/ HERPES SIMPLEX, therapy/ HUMAN/ IMMUNOLOGIC MEMORY/ IMMUNOSUPPRESSION/ INTERFERON, biosynthesis/ *INTERFERON, physiology/ LYMPHOCYTES, immunology/ RABIES, therapy/ REVIEW/ *VIRUS DISEASES, immunology

3799. **Stanton HC:** Factors to consider when selecting animal models for postnatal teratology studies. J Environ Pathol Toxicol 2(1):201–10, Sep–Oct 78
ADAPTATION, BIOLOGICAL, drug effects/ ANIMAL/ ANIMALS, NEWBORN, physiology/ CARBOHYDRATES, metabolism/ DRUG TOLERANCE/ ENDOCRINE GLANDS, physiology/ FETUS, drug effects/ GROWTH, drug effects/ LIPIDS, metabolism/ RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, CHOLINERGIC, physiology/ *TERATOGENS, pharmacodynamics/ *TOXICOLOGY, methods

3800. **Stapleton FB, Skoglund RR, Daggett RB:** Hypertension associated with the Guillain–Barré syndrome. Pediatrics 62(4):588–90, Oct 78
CASE REPORT/ CATECHOLAMINES, metabolism/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, etiology/ INFANT/ MALE/ *POLYRADICULONEURITIS, complications/ PROPRANOLOL, therapeutic use/ RENIN, blood

3801. **Stárka L, Hampl R, Obenberger J, et al:** Aldosteron v hovězím oku. Cesk Oftalmol 34(6):405–8, Nov 78 (Eng. Abstr.) **(Cze)**
*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ANIMAL/ *AQUEOUS HUMOR, analysis/ CATTLE/ ENGLISH ABSTRACT

3802. **Starke K, Weitzell R:** Is histamine involved in the sympathomimetic effect of nicotine? Naunyn Schmiedebergs Arch Pharmacol 304(3):237–48, 16 Oct 78
ANIMAL/ ARTERIES, metabolism/ CHLORPHENIRAMINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ *HISTAMINE, physiology/ HYDROXYDOPAMINE, pharmacodynamics/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ NICOTINE, antagonists & inhibitors/ *NICOTINE, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ OXYMETAZOLINE, pharmacodynamics/ RABBITS/ RECEPTORS, HISTAMINE, drug effects/ SEROTONIN, pharmacodynamics/ *SYMPATHOMIMETICS/ TYRAMINE, pharmacodynamics

3803. **Starkova NT, Mel'nichenko GA:** Primenenie blokatorov i stimuliatorov sekretsii prolaktina pri sindrome persistiruiushcheĭ laktorei--amenorei. Probl Endokrinol (Mosk) 24(6):42–7, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
ADULT/ AMENORRHEA, drug therapy/ *AMENORRHEA, physiopathology/ CLOMIPHENE, therapeutic use/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, HORMONAL, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GALACTORRHEA, drug therapy/ *GALACTORRHEA, physiopathology/ HUMAN/ *LACTATION DISORDERS, physiopathology/ LEVODOPA, therapeutic use/ *PROLACTIN, secretion/ SYNDROME/ *THYROTROPIN RELEASING HORMONE, diagnostic use

3804. **Starr P:** Atherosclerosis, hypothyroidism, and thyroid hormone therapy. Adv Lipid Res 16:345–71, 1978 (47 ref.)
*ARTERIOSCLEROSIS, drug therapy/ ATHEROSCLEROSIS, complications/ *ATHEROSCLEROSIS, drug therapy/ FEMALE/ GENITAL DISEASES, FEMALE, complications/ HEART DISEASES, complications/ HUMAN/ HYPERCHOLESTEREMIA, complications/ HYPERCHOLESTEREMIA, drug therapy/ HYPOTHYROIDISM, complications/ *HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ MYXEDEMA, complications/ REVIEW/ SCHIZOPHRENIA, drug therapy/ STEREOISOMERS/ *THYROXINE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3805. **Starup J, Pedersen H:** Hormonal and ultrastructural observations in a case of resistant ovary syndrome. Acta Endocrinol (Copenh) 89(4):744–52, Dec 78
ADULT/ AMENORRHEA, blood/ *AMENORRHEA, pathology/ AMENORRHEA, physiopathology/ CASE REPORT/ CORTISONE, therapeutic use/ ESTRADIOL, blood/ ESTROGENS, urine/ FEMALE/ *FSH, blood/ GRAAFIAN FOLLICLE, ultrastructure/ HUMAN/ *LH, blood/

MENOTROPINS, therapeutic use/ MICROSCOPY, ELECTRON/ OOCYTES, ultrastructure/ *OVARY, ultrastructure/ SYNDROME

3806. **Statham HE, Duncan CJ, Publicover SJ:** Dual effect of 2,4-dinitrophenol on the spontaneous release of transmitter at the frog neuromuscular junction. Biochem Pharmacol 27(18):2199-202, 1978
ANIMAL/ CALCIUM, metabolism/ *DINITROPHENOLS, pharmacodynamics/ FROGS/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ *NEUROHUMORS, metabolism/ NEUROMUSCULAR JUNCTION, drug effects/ *NEUROMUSCULAR JUNCTION, metabolism/ RANA TEMPORARIA/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS

3807. **Staub JJ, Conti A, Huber P, et al:** Sexhormonbindendes Globulin (SHBG), ein neuer metabolischer In-vitro-Test der Schilddrüsenfunktion. Schweiz Med Wochenschr 108(48):1909-11, 2 Dec 78 (Eng. Abstr.) **(Ger)**
CARRIER PROTEINS/ ENGLISH ABSTRACT/ ESTRADIOL/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ *SEX HORMONE BINDING GLOBULIN, analysis/ TESTOSTERONE/ *THYROID FUNCTION TESTS, methods

3808. **Staudt J, Stüber P:** Morphologische Untersuchungen der Matrix im Bereich des Hypothalamus beim Menschen. Z Mikrosk Anat Forsch 91(4):773-86, 1977 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ EPENDYMA, anatomy & histology/ EPENDYMA, embryology/ FEMALE/ HUMAN/ *HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, embryology/ HYPOTHALAMUS, ANTERIOR, anatomy & histology/ HYPOTHALAMUS, ANTERIOR, embryology/ HYPOTHALAMUS, MEDIAL, anatomy & histology/ HYPOTHALAMUS, MEDIAL, embryology/ INFANT/ INFANT, NEWBORN/ MALE/ PREOPTIC AREA, anatomy & histology/ PREOPTIC AREA, embryology

3809. **Stavy M, Terkel J, Kohen F:** Plasma progesterone levels during pregnancy and pseudo-pregnancy in the hare (Lepus europaeus syriacus). J Reprod Fertil 54(1):9-14, Sep 78
ANIMAL/ FEMALE/ *LAGOMORPHA, blood/ *MAMMALS, blood/ PREGNANCY/ *PREGNANCY, ANIMAL/ *PROGESTERONE, blood/ *PSEUDOPREGNANCY

3810. **Steele TH, Underwood JL:** Renal response to phosphorus deprivation in the isolated rat kidney. Kidney Int 13(2):124-8, Feb 78
ANIMAL/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ DIET/ GLOMERULAR FILTRATION RATE/ *KIDNEY, metabolism/ MALE/ PARATHYROID GLANDS, physiology/ PERFUSION/ PHOSPHATES, metabolism/ *PHOSPHORUS, deficiency/ RATS

3811. **Steele TH:** Effect of phosphorus depletion on the renal transport of phosphate. Adv Exp Med Biol 103:343-55, 1978 (27 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIET/ HUMAN/ IN VITRO/ *KIDNEY, metabolism/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ *PHOSPHORUS, deficiency/ RATS/ REVIEW/ SODIUM CHLORIDE, pharmacodynamics

3812. **Stein JH, Reineck HJ:** Regulation of sodium balance in normal and edematous states. Contrib Nephrol 14:25-49, 1978
ALDOSTERONE, physiology/ CAPILLARIES, physiology/ DESOXYCORTICOSTERONE, pharmacodynamics/ *EDEMA, metabolism/ EXTRACELLULAR SPACE, physiology/ GLOMERULAR FILTRATION RATE/ HEART FAILURE, CONGESTIVE, physiopathology/ HEMODYNAMICS/ HORMONES, physiology/ HUMAN/ HYDROSTATIC PRESSURE/ KIDNEY TUBULES, blood supply/ KIDNEY TUBULES, physiology/ KIDNEY, blood supply/ KIDNEY, innervation/ *KIDNEY, physiology/ KIDNEY, physiopathology/ NATRIURESIS/ OSMOTIC PRESSURE/ *SODIUM, metabolism/ SYMPATHETIC NERVOUS SYSTEM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3813. **Steinberger A, Hintz M, Heindel JJ:** Changes in cyclic AMP responses to FSH in isolated rat Sertoli cells during sexual maturation. Biol Reprod 19(3):566-72, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ AGING/ CELLS, CULTURED/ *FSH, pharmacodynamics/ MALE/ RATS/ *SERTOLI CELLS, drug effects/ SERTOLI CELLS, metabolism/ *SEX MATURATION/ TESTIS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

3814. **Steinbusch HW, Verhofstad AA, Joosten HW:** Localization of serotonin in the central nervous system by immunohistochemistry: description of a specific and sensitive technique and some applications. Neuroscience 3(9):811-9, 1978
ANIMAL/ ANTIBODY FORMATION/ ANTIBODY SPECIFICITY/ *CENTRAL NERVOUS SYSTEM, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ MALE/ RABBITS, immunology/ RATS/ *SEROTONIN, metabolism

3815. **Steiner BW, Satterberg JA, Muir CF:** Flight into femininity. The male menopause? Can Psychiatr Assoc J 23(6):405-10, Oct 78
ADULT/ AGED/ CASE REPORT/ CLIMACTERIC/ DEPRESSION, psychology/ *GENDER IDENTITY/ HOMOSEXUALITY/ HUMAN/ *IDENTIFICATION (PSYCHOLOGY)/ MALE/ MARRIAGE/ MIDDLE AGE/ PSYCHOLOGICAL TESTS/ SEX BEHAVIOR/ SEX REVERSAL, GONADAL/ *TRANSVESTISM, psychology

3816. **Steiner R, Hofmann N, Hartmann R, et al:** Kallikrein und Prostaglandin E1--Vergleichende Untersuchungen zur Motilitätssteigerung von Spermatozoen mittels der Laser-Doppler-Spektroskopie. Fortschr Androl 6:26-34, 1978 **(Ger)**
ADENYL CYCLASE, pharmacodynamics/ COMPARATIVE STUDY/ DOPPLER EFFECT/ HUMAN/ IN VITRO/ *KALLIKREIN, pharmacodynamics/ KININOGENS, pharmacodynamics/ KININS, pharmacodynamics/ LASERS/ MALE/ *PROSTAGLANDINS E, pharmacodynamics/ SPECTRUM ANALYSIS/ *SPERM MOTILITY, drug effects

3817. **Steinrauf LK, Cox B, Foster E, et al:** Synthesis and evaluation of sulfur-containing steroids against methylmercuric chloride toxicity. J Pharm Sci 67(12):1739-43, Dec 78
ADMINISTRATION, ORAL/ ADMINISTRATION, TOPICAL/ ANIMAL/ LIPOSOMES/ MALE/ *METHYL MERCURY COMPOUNDS, antagonists & inhibitors/ METHYL MERCURY COMPOUNDS, poisoning/ MICE/ STEROIDS, administration & dosage/ *STEROIDS, chemical synthesis/ STEROIDS, therapeutic use/ SULFHYDRYL COMPOUNDS, administration & dosage/ *SULFHYDRYL COMPOUNDS, chemical synthesis/ SULFHYDRYL COMPOUNDS, therapeutic use/ SUSPENSIONS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3818. **Stephen R, Amato S:** Genetic emergencies in pediatrics. Paediatrician 7(4-5):152-65, 1978
ABNORMALITIES, familial & genetic/ *ABNORMALITIES, therapy/ ADRENOGENITAL SYNDROME, diagnosis/ CLEFT LIP, therapy/ CLEFT PALATE, therapy/ CRITICAL CARE/ DOWN'S SYNDROME, therapy/ *EMERGENCIES/ FEMALE/ GENETIC COUNSELING/ HUMAN/ INFANT, NEWBORN/ MENINGOMYELOCELE, therapy/ PREGNANCY/ PRENATAL DIAGNOSIS/ PROGNOSIS

3819. **Stephens JK, Fischer PW, Marks GS:** Drug-induced porphyrin biosynthesis--XVIII. Effect of modulation of intracellular cyclic AMP levels on drug-induced porphyrin biosynthesis in chick embryo liver cells maintained in serum-free medium. Biochem Pharmacol 27(20):2439-45, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ LIVER, drug effects/ *LIVER, metabolism/ *PORPHYRINS, biosynthesis/ STIMULATION, CHEMICAL

3820. **Stephens JL, Binkley S:** Daily change in pineal N-acetyltransferase activity in a diurnal mammal, the ground squirrel. Experientia 34(11):1523–4, 15 Nov 78
*ACETYLTRANSFERASES, metabolism/ ANIMAL/ CHIPMUNKS/ *CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ *PINEAL BODY, enzymology/ SEROTONIN/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3821. **Stephenson JB:** Reversal of hypnosis-induced analgesia by naloxone [letter] Lancet 2(8097):991–2, 4 Nov 78
ADULT/ *ANALGESIA, methods/ CASE REPORT/ CLINICAL RESEARCH/ ENDORPHINS, antagonists & inhibitors/ HUMAN/ *HYPNOSIS/ INJECTIONS, INTRAVENOUS/ *NALOXONE, administration & dosage/ PAIN, chemically induced/ *PAIN, prevention & control/ SUGGESTION/ TIME FACTORS

3822. **Steranka LR, Sanders-Bush E:** Long-term effects of continuous exposure to p-chloroamphetamine on central serotonergic mechanisms in mice. Biochem Pharmacol 27(16):2033–7, 1978
*P-CHLOROAMPHETAMINE, pharmacodynamics/ *AMPHETAMINES, pharmacodynamics/ ANIMAL/ BRAIN, drug effects/ BRAIN, enzymology/ *BRAIN, metabolism/ HALF-LIFE/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MICE/ NEURONS, drug effects/ *NEURONS, metabolism/ *SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ TRYPTOPHAN HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3823. **Stérbová J, Simon V:** Ekonomické zhodnocení metody postupné tvorby skupin dojnic bez infekce mléčné žlázy z primipar, Vet Med (Praha) 23(10):607–14, Oct 78 (Eng. Abstr.) **(Cze)**
ANIMAL/ *BREEDING/ CZECHOSLOVAKIA/ *DAIRYING/ ECONOMICS/ ENGLISH ABSTRACT/ FEMALE/ LACTATION/ *MASTITIS, BOVINE, prevention & control/ METHODS/ PARITY/ PREGNANCY

3824. **Sterling K:** Thyroid hormone action at the cell level (first of two parts). N Engl J Med 300(3):117–23, 18 Jan 79
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ BINDING SITES/ BIOLOGICAL TRANSPORT/ CELL MEMBRANE, enzymology/ CHICK EMBRYO/ CHROMATIN, metabolism/ CYTOSOL, metabolism/ HUMAN/ IN VITRO/ MODELS, BIOLOGICAL/ OXYGEN CONSUMPTION/ PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ THYROID HORMONES, metabolism/ *THYROID HORMONES, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3825. **Stern PH, Miller JC, Chen SF, et al:** A bone resorbing substance from bovine serum albumin (brA). Calcif Tissue Res 25(3):233–40, 18 Aug 78
ANIMAL/ *BONE AND BONES, drug effects/ *BONE RESORPTION, drug effects/ CHROMATOGRAPHY, ION EXCHANGE/ FEMALE/ FETUS/ ORGAN CULTURE/ PREGNANCY/ RATS/ SERUM ALBUMIN, BOVINE, isolation & purification/ *SERUM ALBUMIN, BOVINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3826. **Stevens J, Stevens YW, Sloan E, et al:** Nuclear glucocorticoid binding in chronic lymphatic leukemia lymphocytes. Endocr Res Commun 5(2):91–108, 1978
AGED/ BINDING, COMPETITIVE/ *CELL NUCLEUS, metabolism/ FEMALE/ HUMAN/ KINETICS/ *LEUKEMIA, LYMPHOCYTIC, metabolism/ *LYMPHOCYTES, metabolism/ MALE/ MIDDLE AGE/ *RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, metabolism/ ROSETTE FORMATION/ *TRIAMCINOLONE ACETONIDE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3827. **Stevens J, Stevens YW, Rhodes J, et al:** Differences in nuclear glucocorticoid binding between corticoid-sensitive and corticoid-resistant lymphocytes of mouse lymphoma P1798 and stabilization of nuclear hormone receptor complexes with carbobenzoxy-L-phenylalanine. JNCI 61(6):1477–85, Dec 78
ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ DRUG RESISTANCE/ FEMALE/ *LYMPHOMA, metabolism/ MAGNESIUM, pharmacodynamics/ MICE/ MICE, INBRED BALB C/ NEOPLASMS, EXPERIMENTAL, metabolism/ *PHENYLALANINE, analogs & derivatives/ PHENYLALANINE, pharmacodynamics/ *RECEPTORS, GLUCOCORTICOID, drug effects/ *RECEPTORS, STEROID, drug effects/ SPERMIDINE, pharmacodynamics/ TRIAMCINOLONE ACETONIDE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3828. **Stevens RH, Graves JM, Meek ES, et al:** Cyclic nucleotide concentrations in 7.12-dimethylbenz[a]anthracene-induced pancreatic cancer in rats. J Natl Cancer Inst 61(5):1281–4, Nov 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *BENZANTHRACENES/ COMPARATIVE STUDY/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MALE/ NEOPLASMS, EXPERIMENTAL, metabolism/ PANCREAS, metabolism/ PANCREATIC NEOPLASMS, chemically induced/ *PANCREATIC NEOPLASMS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *9,10-DIMETHYL-1,2-BENZANTHRACENE

3829. **Stevenson RD, Lucie NP, Gray AC:** Effect of prednisolone on the growth of human bone marrow cells in vitro. Br J Exp Pathol 59(5):467–72, Oct 78
*BONE MARROW, cytology/ BONE MARROW, drug effects/ CELL DIVISION, drug effects/ CELL NUMBER/ CELLS, CULTURED/ COLONY-STIMULATING FACTOR, pharmacodynamics/ *GRANULOCYTES, cytology/ HUMAN/ *PREDNISOLONE, pharmacodynamics

3830. **Stewart RD, Newton PE, Baretta ED, et al:** Physiological response to aerosol propellants. Environ Health Perspect 26:275–85, Oct 78
ADOLESCENCE/ ADULT/ AEROSOL PROPELLANTS, analysis/ AEROSOL PROPELLANTS, blood/ *AEROSOL PROPELLANTS, pharmacodynamics/ *AEROSOLS, pharmacodynamics/ AIR, analysis/ BREATH TESTS/ COGNITION, drug effects/ CORTICOTROPIN, diagnostic use/ DOUBLE-BLIND METHOD/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS, drug effects/ FEMALE/ HEART, drug effects/ HUMAN/ MALE/ MIDDLE AGE/ NERVOUS SYSTEM, drug effects/ RESPIRATION, drug effects/ VISION, physiology

3831. **Stitt RW, Adler F:** Effect of corticosteroids on lung surfactant activity in experimentally produced fat embolism in rats. Surg Forum 28:491–2, 1977
ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, pharmacodynamics/ ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL/ *EMBOLISM, FAT, drug therapy/ *PULMONARY SURFACTANT, analysis/ RATS

3832. **Stock G, Schlör KH, Heidt H, et al:** Psychomotor behaviour and cardiovascular patterns during stimulation of the amygdala. Pfluegers Arch 376(2):177–84, 6 Sep 78
AMYGDALOID BODY, drug effects/ *AMYGDALOID BODY, physiology/ ANIMAL/ AORTA, ABDOMINAL/ AUTONOMIC DRUGS, pharmacodynamics/ *BEHAVIOR, ANIMAL, physiology/ BLOOD PRESSURE, drug effects/ CATS/ ELECTRIC STIMULATION/ FEMALE/ HEART RATE, drug effects/ *HEMODYNAMICS/ HYPOTHALAMUS, drug effects/ MALE/ PENTOBARBITAL, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects

3833. **Stoffer SS, Hawker CD:** Parathyroid cysts--medical diagnosis and management [letter] JAMA 241(4):357, 26 Jan 79
*CYSTS, diagnosis/ HUMAN/ *PARATHYROID DISEASES, diagnosis

3834. **Stögmann W, Borkenstein M, Grubbauer HM:** Silver-Russell-Syndrom mit Panhypopituitarismus. Klin Paediatr 190(6):586–91, Nov 78 (Eng. Abstr.) **(Ger)**
*ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ CASE REPORT/ *CRANIOFACIAL DYSOSTOSIS, complications/ *DWARFISM, PITUITARY, complications/ ENGLISH ABSTRACT/ HUMAN/ MALE/

SYNDROME

3835. **Stokke DB, Christensen NJ, Hole P, et al:** Plasma catecholamines during equipotent anaesthesia with cyclopropane and halothane-N2O in man. Anaesthesist 27(10):469-74, Oct 78
ADRENAL GLANDS, drug effects/ ADULT/ AGED/ ANESTHESIA, GENERAL/ CARBON DIOXIDE, blood/ *CATECHOLAMINES, blood/ CYCLOPROPANES/ FEMALE/ HALOTHANE/ HUMAN/ HYPOTENSION, chemically induced/ MALE/ MIDDLE AGE/ PULSE, drug effects

3836. **Stoll R, Faucounau N, Maraud R:** Les adénomes à cellules folliculaires et parafolliculaires de la thyroïde du rat soumis au thiamazole. Ann Endocrinol (Paris) 39(3):179-89, 1978 (Eng. Abstr.) **(Fre)**
*ADENOMA, chemically induced/ ADENOMA, pathology/ ANIMAL/ ENGLISH ABSTRACT/ HYPOTHYROIDISM, chemically induced/ MALE/ *METHIMAZOLE, poisoning/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, pathology/ RATS/ *THYROID ANTAGONISTS, poisoning/ THYROID GLAND, pathology/ *THYROID NEOPLASMS, chemically induced/ THYROID NEOPLASMS, pathology/ TIME FACTORS

3837. **Ston J, Wilczek H, Pacovský V:** Effects of Trisetum flavescens on calcium and phosphorus metabolism. Mechanism of its action studied through its interaction with diphosphonate. Physiol Bohemoslov 27(6):515-20, 1978
ALKALINE PHOSPHATASE, blood/ ANIMAL/ BONE AND BONES, metabolism/ CALCIUM, blood/ *CALCIUM, metabolism/ *CHOLECALCIFEROLS, pharmacodynamics/ *DIET/ MALE/ PHOSPHATES, blood/ *PHOSPHORUS, metabolism/ *PLANTS/ RATS/ *SODIUM ETIDRONATE, pharmacodynamics

3838. **Stone GM, Miller BG:** The isthmic oviduct of the ewe: what is the biological significance of high affinity cytosol receptors for estradiol and progesterone? Biol Reprod 19(3):653-6, Oct 78
ANIMAL/ CASTRATION/ CYTOSOL, metabolism/ *ESTRADIOL/ ESTRADIOL, pharmacodynamics/ *FALLOPIAN TUBES, metabolism/ FEMALE/ PROGESTERONE, pharmacodynamics/ PROTEINS, biosynthesis/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ RNA, biosynthesis/ *SHEEP, metabolism

3839. **Stone SC:** Hydatidiform mole as a complication of artificial insemination. Am J Obstet Gynecol 132(6):696-7, 15 Nov 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYDATIDIFORM MOLE, etiology/ *INSEMINATION, ARTIFICIAL/ *INSEMINATION, ARTIFICIAL, HETEROLOGOUS/ PREGNANCY/ *UTERINE NEOPLASMS, etiology

3840. **Stone SL, Pomerantz SH, Schwartz-Kripner A, et al:** Inhibitor of oocyte maturation from porcine follicular fluid: further purification and evidence for reversible action. Biol Reprod 19(3):585-92, Oct 78
DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ *GRAAFIAN FOLLICLE/ GRAAFIAN FOLLICLE, analysis/ MEIOSIS, drug effects/ MOLECULAR WEIGHT/ *OOCYTES, drug effects/ OOCYTES, growth & development/ *OVUM, drug effects/ PEPTIDES, isolation & purification/ *PEPTIDES, pharmacodynamics/ SWINE/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3841. **Stott GH, Reinhard EJ:** Adrenal function and passive immunity in the dystocial calf. J Dairy Sci 61(10):1457-61, Oct 78
*ADRENAL GLANDS, physiopathology/ ANIMAL/ ANIMALS, NEWBORN/ CATTLE/ *COLOSTRUM/ DYSTOCIA, immunology/ DYSTOCIA, mortality/ DYSTOCIA, physiopathology/ *DYSTOCIA, veterinary/ FEMALE/ *GAMMA GLOBULINS, metabolism/ *HYDROCORTISONE, blood/ IGA, SECRETORY, metabolism/ IGG, metabolism/ IGM, metabolism/ IMMUNITY, PASSIVE/ INTESTINAL ABSORPTION/ PREGNANCY/ TEMPERATURE

3842. **Stott RB, Staffurth JS:** Thyrotoxic Graves's disease after primary hypothyroidism [letter] Br Med J 2(6143):1023, 7 Oct 78
CASE REPORT/ FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ *GOITER, EXOPHTHALMIC, etiology/ HUMAN/ *HYPOTHYROIDISM, complications/ MIDDLE AGE

3843. **Strange PG, Bennett T:** Effect of a phosphodiesterase inhibitor on cyclic GMP changes induced by muscarinic agonists in mouse neuroblastoma cells [proceedings] Br J Pharmacol 64(3):450P-451P, Nov 78
CELLS, CULTURED/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MICE/ *NEUROBLASTOMA, metabolism/ *PARASYMPATHOMIMETICS, pharmacodynamics/ *THEOPHYLLINE, analogs & derivatives/ *1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics

3844. **Strata A, Ugolotti G, Contini C, et al:** Thyroid and obesity: survey of some function tests in a large obese population. Int J Obes 2(3):333-40, 1978
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BODY WEIGHT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MIDDLE AGE/ *OBESITY, diagnosis/ PROTEIN-BOUND IODINE TEST/ *THYROID DISEASES, diagnosis/ THYROID FUNCTION TESTS/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis

3845. **Strauss JF 3d, Kirsch T, Flickinger GL:** Effects of lysosomotropic agents on progestin secretion by rat ovarian cells. J Steroid Biochem 9(8):731-8, Aug 78
ANIMAL/ *CHLOROQUINE, pharmacodynamics/ CORPUS LUTEUM, drug effects/ CORPUS LUTEUM, metabolism/ CORPUS LUTEUM, ultrastructure/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ LYSOSOMES, drug effects/ *LYSOSOMES, physiology/ *LH, pharmacodynamics/ OVARY, drug effects/ *OVARY, metabolism/ PREGNENOLONE, metabolism/ *PROGESTATIONAL HORMONES, metabolism/ PROGESTERONE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3846. **Stricker EM:** The renin-angiotensin system and thirst: some unanswered questions. Fed Proc 37(13):2704-10, Nov 78
ANGIOTENSIN II, blood/ *ANGIOTENSIN II, physiology/ ANIMAL/ BLOOD PRESSURE/ BLOOD VOLUME/ DRINKING, drug effects/ ISOPROTERENOL, pharmacodynamics/ KIDNEY, physiology/ POLYETHYLENE GLYCOLS, pharmacodynamics/ RATS/ RENIN, blood/ *RENIN, physiology/ SODIUM, metabolism/ *THIRST, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE

3847. **Stricker EM, Swerdloff AF, Zigmond MJ:** Intrahypothalamic injections of kainic acid produce feeding and drinking deficits in rats. Brain Res 158(2):470-3, 15 Dec 78
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ *DRINKING, drug effects/ *EATING, drug effects/ HYDROXYDOPAMINE, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ *KAINIC ACID, pharmacodynamics/ MALE/ *PYRROLIDINES, pharmacodynamics/ RATS/ SALINE SOLUTION, HYPERTONIC/ STARVATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3848. **Strobel M, Marchand JP, Ndiaye B, et al:** Myxoedème prétibial à forme pseudo-éléphantiasique chez un Sénégalais. Bull Soc Med Afr Noire Lang Fr 23(3):219-22, 1978 (Eng. Abstr.) **(Fre)**
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *ELEPHANTIASIS, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ *LEG DERMATOSES, diagnosis/ LEG DERMATOSES, occurrence/ LEG DERMATOSES, therapy/ *LYMPHEDEMA, diagnosis/ MALE/ *MYXEDEMA, diagnosis/ MYXEDEMA, occurrence/ MYXEDEMA, therapy/ SENEGAL

3849. **Stroobant A, Lacombe B, Marcoux A, et al:** Relation entre la fécondité, l'allaitement et les décès des enfants en bas âge Premiers résulats d'une enquête faite sur un échantillon représentatif de la population du Gouvernorat de Nabeul. Tunis Med 56(2):171-8, Mar-Apr 78 **(Fre)**
ADOLESCENCE/ ADULT/ BREAST FEEDING/

FEMALE/ *FERTILITY/ HUMAN/ *INFANT MORTALITY/ INFANT/ INFANT, NEWBORN/ *LACTATION/ MALE/ MATERNAL AGE/ PREGNANCY/ SEX FACTORS/ TUNISIA

3850. **Strott CA, Lyons CD:** Studies of cholesterol binding in the soluble fraction of the adrenal cortex of the guinea pig. J Steroid Biochem 9(8):721–30, Aug 78
*ADRENAL CORTEX, metabolism/ ANIMAL/ *CHOLESTEROL, metabolism/ CYTOSOL, metabolism/ GUINEA PIGS/ KINETICS/ MALE/ MOLECULAR WEIGHT/ RECEPTORS, STEROID, isolation & purification/ *RECEPTORS, STEROID, metabolism

3851. **Strott CA, Lyons CD:** Pregnenolone sulfate binding in the guinea pig adrenal cortex: comparison with pregnenolone binding. Biochemistry 17(21):4557–63, 17 Oct 78
*ADRENAL CORTEX, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ GUINEA PIGS/ KINETICS/ *PREGNENOLONE, analogs & derivatives/ PREGNENOLONE, metabolism/ RECEPTORS, HORMONE, isolation & purification/ *RECEPTORS, HORMONE, metabolism

3852. **Struhár H, Chalabala M, Mandák M, et al:** Príprava injekčnej suspenzie benzoanu éstradiolu. Cesk Fysiol 27(6):245–9, Nov 78 (Eng. Abstr.) **(Slo)**
ENGLISH ABSTRACT/ *ESTRADIOL/ INJECTIONS/ SUSPENSIONS/ *TECHNOLOGY, PHARMACEUTICAL

3853. **Struhár M, Chalabala M, Mandák M, et al:** Príprava injekčnej suspenzie benzoanu éstradiolu. Cesk Farm 27(6):245–9, Jul 78 (Eng. Abstr.) **(Slo)**
DRUG COMPOUNDING/ ENGLISH ABSTRACT/ *ESTRADIOL/ *INJECTIONS, standards/ SUSPENSIONS

3854. **Strum JM:** Site of iodination in rat mammary gland. Anat Rec 192(2):235–44, Oct 78
ANIMAL/ COMPARATIVE STUDY/ FEMALE/ *IODIDES, metabolism/ IODINE RADIOISOTOPES/ *LACTATION/ MAMMAE, enzymology/ *MAMMAE, metabolism/ MAMMAE, ultrastructure/ MILK PROTEINS, metabolism/ PEROXIDASES, analysis/ PREGNANCY/ *PREGNANCY, ANIMAL/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, metabolism

3855. **Strum JM:** Estrogen-induced alterations in the myoepithelial cells of the rat mammary gland. Cell Tissue Res 193(1):155–61, 6 Oct 78
ANIMAL/ CELL NUCLEUS, ultrastructure/ EPITHELIUM, drug effects/ EPITHELIUM, ultrastructure/ *ESTRADIOL, pharmacodynamics/ FEMALE/ INTERCELLULAR JUNCTIONS, ultrastructure/ *MAMMAE, drug effects/ MAMMAE, ultrastructure/ MYOFIBRILS, ultrastructure/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3856. **Strum JM:** Hormonal activation of mammary gland peroxidase. Tissue Cell 10(3):505–14, 1978
ANIMAL/ CATALASE, metabolism/ CYTOCHROME OXIDASE, metabolism/ *DEXAMETHASONE, pharmacodynamics/ ENZYME ACTIVATION/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *INSULIN, pharmacodynamics/ LACTATION/ *MAMMAE, enzymology/ MAMMAE, ultrastructure/ *PEROXIDASES, metabolism/ PREGNANCY/ *PROLACTIN, pharmacodynamics/ RATS

3857. **Strumpf IJ, Simmons MS, Sayre JW, et al:** Biorhythm theory and asthma. Ann Allergy 41(6):330–2, Dec 78
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ *ASTHMA, diagnosis/ ASTHMA, drug therapy/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ *PERIODICITY

3858. **Strumpf M, Kowalski MA, Mundy GR:** Effects of glucocorticoids on osteoclast-activating factor. J Lab Clin Med 92(5):772–8, Nov 78
ANIMAL/ BIOLOGICAL ASSAY/ BLOOD PROTEINS, biosynthesis/ BONE RESORPTION, drug effects/ DNA, biosynthesis/ FEMALE/ HUMAN/ *HYDROCORTISONE, pharmacodynamics/ LEUKOCYTES, drug effects/ *LEUKOCYTES, metabolism/ *LYMPHOKINES, blood/ LYMPHOKINES, pharmacodynamics/ *OSTEOCLASTS/ PREGNANCY/ RATS/ RNA, biosynthesis/ ULTRAFILTRATION

3859. **Stubbs AJ, Resnick MI:** Protein electrophoretic patterns of canine prostatic fluid. Effect of hormonal manipulation. Invest Urol 16(3):175–8, Nov 78
ANIMAL/ *BODY FLUIDS, analysis/ *CASTRATION/ DELAYED-ACTION PREPARATIONS/ DOGS/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ INJECTIONS, INTRAMUSCULAR/ MALE/ *PROSTATE, metabolism/ *PROTEINS/ PROTEINS, analysis/ TESTOSTERONE, administration & dosage/ *TESTOSTERONE, pharmacodynamics/ TIME FACTORS

3860. **Stubbs WA, Delitala G, Jones A, et al:** Hormonal and metabolic responses to an enkephalin analogue in normal man. Lancet 2(8102):1225–7, 9 Dec 78
ADULT/ ALANINE, blood/ *BLOOD SUGAR, analysis/ CLINICAL RESEARCH/ CORTICOTROPIN, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, administration & dosage/ *ENKEPHALINS, pharmacodynamics/ FSH, antagonists & inhibitors/ GASTRIC INHIBITORY POLYPEPTIDE, antagonists & inhibitors/ *GASTROINTESTINAL HORMONES, blood/ GLUCAGON, antagonists & inhibitors/ GLYCERIN, blood/ HUMAN/ HYDROCORTISONE, antagonists & inhibitors/ *HYDROCORTISONE, blood/ INJECTIONS, INTRAVENOUS/ *INSULIN, blood/ LH, antagonists & inhibitors/ MALE/ *PITUITARY HORMONES, ANTERIOR, blood/ PROLACTIN, blood/ RESEARCH DESIGN/ SOMATOTROPIN, blood/ THYROTROPIN, blood

3861. **Studd J, Thom M, White PJ:** Menopausal therapy and endometrial pathology [letter] Br Med J 2(6148):1369, 11 Nov 78
ENDOMETRIAL HYPERPLASIA, chemically induced/ *ENDOMETRIAL HYPERPLASIA, prevention & control/ *ESTROGENS, adverse effects/ FEMALE/ HUMAN/ *NORETHINDRONE, therapeutic use

3862. **Studdy P, Bird R, James DG:** Serum angiotensin-converting enzyme (SACE) in sarcoidosis and other granulomatous disorders. Lancet 2(8104–5):1331–4, 23–30 Dec 78
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ CHRONIC DISEASE/ ENTERITIS, enzymology/ ENZYME INHIBITORS/ FEMALE/ GRANULOMA, enzymology/ HODGKIN'S DISEASE, enzymology/ HUMAN/ KININASE II, antagonists & inhibitors/ *KININASE II, blood/ LEPROSY, enzymology/ LIVER CIRRHOSIS, BILIARY, enzymology/ LIVER DISEASES, enzymology/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ SARCOIDOSIS, drug therapy/ *SARCOIDOSIS, enzymology/ SCHISTOSOMIASIS, enzymology/ TUBERCULOSIS, PULMONARY, enzymology

3863. **Stumpf B, Kraus H:** Inhibition of gluconeogenesis in isolated rat kidney tubules by branched chain alpha-ketoacids. Pediatr Res 12(11):1039–44, Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *AMINO ACIDS, BRANCHED-CHAIN, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ CARBON DIOXIDE, metabolism/ FRUCTOSE, metabolism/ *GLUCONEOGENESIS, drug effects/ GLUTAMINE, metabolism/ HYDROGEN-ION CONCENTRATION/ ISOLEUCINE, pharmacodynamics/ KETO ACIDS, pharmacodynamics/ *KIDNEY TUBULES, metabolism/ LACTATES, metabolism/ LEUCINE, pharmacodynamics/ LYSINE, pharmacodynamics/ MALE/ PYRUVATES, metabolism/ RATS/ SUCCINATES, metabolism/ TISSUE CULTURE/ VALINE, pharmacodynamics

3864. **Stüttgen G:** Lichen planus heute. Z Hautkr 53(21):766–73, 1 Nov 78 (34 ref.) **(Ger)**
ADMINISTRATION, TOPICAL/ ADRENAL CORTEX HORMONES, therapeutic use/ COLITIS, ULCERATIVE, complications/ GLYCOLYSIS/

GRAFT VS HOST REACTION/ HUMAN/ IGM/ ISONIAZID, therapeutic use/ *LICHEN PLANUS/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MITOCHONDRIA/ MUCOUS MEMBRANE, pathology/ REVIEW/ ULTRAVIOLET THERAPY/ VITAMIN A, therapeutic use

3865. **Su YF, Harden TK, Perkins JP:** Isoproterenol-induced desensitization of adenylate cyclase in human astrocytoma cells. Relation of loss of hormonal responsiveness and decrement in beta-adrenergic receptors. J Biol Chem 254(1):38–41, 10 Jan 79
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ *ASTROCYTOMA, metabolism/ CELL LINE/ CELL MEMBRANE, metabolism/ HUMAN/ *ISOPROTERENOL, pharmacodynamics/ KINETICS/ *RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, ADRENERGIC, BETA, drug effects/ *RECEPTORS, ADRENERGIC, BETA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3866. **Subbotin MIa, Donskikh NV:** Osnovnye tipy platsentarnoĭ trofiki. Arkh Anat Gistol Embriol 75(10):13–20, Oct 78 (60 ref.) (Eng. Abstr.) **(Rus)**
AMINO ACIDS, metabolism/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EVOLUTION/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, anatomy & histology/ PLACENTA, metabolism/ *PLACENTA, physiology/ PLACENTATION/ PREGNANCY/ PROTEINS, metabolism/ RABBITS/ RATS/ REVIEW/ TROPHOBLAST, metabolism

3867. **Sugaya E, Onozuka:** Intracellular calcium: its release from granules during bursting activity in snail neurons. Science 202(4373):1195–7, 15 Dec 78
*ACTION POTENTIALS, drug effects/ ANIMAL/ *CALCIUM, metabolism/ CYTOPLASMIC GRANULES, metabolism/ NEURONS, drug effects/ *NEURONS, physiology/ NEURONS, ultrastructure/ *PENTYLENETETRAZOLE, pharmacodynamics/ SNAILS

3868. **Sugi H, Suzuki S:** Ultrastructural and physiological studies on the longitudinal body wall muscle of Dolabella auricularia. I. Mechanical response and ultrastructure. J Cell Biol 79(2 Pt 1):454–66, Nov 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ COLD/ INTERCELLULAR JUNCTIONS, ultrastructure/ MOLLUSCA, physiology/ *MOLLUSCA, ultrastructure/ *MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ *MUSCLE, SMOOTH, ultrastructure/ NEUROMUSCULAR JUNCTION, ultrastructure/ POTASSIUM, pharmacodynamics/ SARCOPLASMIC RETICULUM, ultrastructure

3869. **Sulik KM, Atnip RL:** Allophenic mice in cleft-palate investigations. J Embryol Exp Morphol 47:169–77, Oct 78
ANIMAL/ CHROMOSOMES/ CLEFT PALATE, chemically induced/ *CLEFT PALATE, embryology/ CORTISONE/ EYE COLOR/ MICE/ *MICE, INBRED STRAINS, embryology/ *MOSAICISM/ PALATE, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3870. **Sullivan AC, Comai K:** Pharmacological treatment of obesity. Int J Obes 2(2):167–89, 1978
APPETITE DEPRESSANTS, administration & dosage/ *APPETITE DEPRESSANTS, therapeutic use/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ BRAIN, metabolism/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DIET, REDUCING/ DOUBLE-BLIND METHOD/ EATING, drug effects/ ENERGY METABOLISM, drug effects/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INSULIN, blood/ INTESTINAL ABSORPTION, drug effects/ LIPIDS, metabolism/ NEUROHUMORS, metabolism/ OBESITY IN DIABETES, drug therapy/ *OBESITY, drug therapy/ THYROID HORMONES, therapeutic use

3871. **Sullivan JM, Dluhy RG, Wacker WE, et al:** Interrelationships among thiazide diuretics and calcium, magnesium, sodium, and potassium balance in normal and hypertensive man. J Clin Pharmacol 18(11–12):530–43, Nov–Dec 78
ADULT/ AGED/ ANGIOTENSIN II, blood/ BLOOD PRESSURE, drug effects/ CALCIUM, metabolism/ DIET/ *DIURETICS, THIAZIDE, pharmacodynamics/ FEMALE/ HUMAN/ HYDROCHLOROTHIAZIDE, pharmacodynamics/ *HYPERTENSION, metabolism/ MAGNESIUM, metabolism/ MAGNESIUM, pharmacodynamics/ MALE/ MIDDLE AGE/ POTASSIUM, metabolism/ RENIN, blood/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WATER-ELECTROLYTE BALANCE, drug effects

3872. **Sumida C, Gelly C, Pasqualini JR:** DNA, protein and specific [3H]-estradiol binding in the nuclear fractions of fetal guinea pig kidney and lung during fetal development. Biol Reprod 19(2):338–45, Sep 78
ANIMAL/ BINDING SITES/ CELL NUCLEUS, metabolism/ *DNA, analysis/ *ESTRADIOL, metabolism/ ESTRONE, metabolism/ GUINEA PIGS/ *KIDNEY, embryology/ KIDNEY, ultrastructure/ *LUNG, embryology/ LUNG, ultrastructure/ *PROTEINS, analysis

3873. **Sumida M, Wang T, Mandel F, et al:** Transient kinetics of Ca2+ transport of sarcoplasmic reticulum. A comparison of cardiac and skeletal muscle. J Biol Chem 253(24):8772–7, 25 Dec 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ COMPARATIVE STUDY/ DOGS/ KINETICS/ *MUSCLES, metabolism/ *MYOCARDIUM, metabolism/ ORGAN SPECIFICITY/ RABBITS/ *SARCOPLASMIC RETICULUM, metabolism/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3874. **Sun FF, Taylor BM:** Metabolism of prostacyclin in rat. Biochemistry 17(19):4096–101, 19 Sep 78
ANIMAL/ CHROMATOGRAPHY, GAS/ FECES, analysis/ ISOTOPE LABELING/ *PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, metabolism/ RATS/ SPECTRUM ANALYSIS, MASS/ TRITIUM

3875. **Sunaga Y, Aoki H, Otomo S, et al:** [A case of hydrocortisone phosphate injection induced asthma (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(10):793–7, Oct 78 (Eng. Abstr.) **(Jpn)**
*ASTHMA, chemically induced/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, adverse effects/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ PHOSPHATES, administration & dosage/ PHOSPHATES, adverse effects

3876. **Susac JO, Martins AN, Robinson B, et al:** False diagnosis of orbital apex tumor by CAT scan in thyroid eye disease. Ann Neurol 1(4):397–8, Apr 77
ADULT/ CASE REPORT/ DIAGNOSTIC ERRORS/ EYE MOVEMENTS/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, radiography/ HUMAN/ MALE/ *ORBITAL NEOPLASMS, radiography/ THYROTROPIN, blood/ *TOMOGRAPHY, COMPUTERIZED AXIAL

3877. **Suslina ZA:** Soderzhanie depressornykh i pressornykh prostaglandinov v plazme krovi u bol'nykh s tserebral'nymi gipertonicheskimi krizami. Zh Nevropatol Psikhiatr 78(11):1635–40, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ BLOOD PRESSURE/ *CEREBROVASCULAR DISORDERS, blood/ CEREBROVASCULAR DISORDERS, etiology/ ENGLISH ABSTRACT/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, complications/ MALE/ MIDDLE AGE/ PROSTAGLANDINS A, blood/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, blood

3878. **Sutton RA, Quamme GA, O'Callaghan T, et al:** Renal tubular phosphate reabsorption in the phosphate depleted dog. Adv Exp Med Biol 103:405–12, 1978
ABSORPTION/ ANIMAL/ DIET/ DOGS/ *KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, DISTAL, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ PARATHYROID GLANDS, physiology/ PHOSPHATES, deficiency/ *PHOSPHATES, metabolism/ THYROIDECTOMY

3879. **Suzuki S, Kimura M, Tamura Y, et al:** [Study on etiology of hypertension in patients on chronic hemodialysis (author's transl)] Nippon Jinzo Gakkai Shi 20(8):901–8, Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ALDOSTERONE, blood/ DOPAMINE BETA-HYDROXYLASE, blood/ ENGLISH ABSTRACT/ *HEMODIALYSIS, adverse effects/ HUMAN/ *HYPERTENSION, etiology/ MIDDLE AGE/ RENIN, blood

3880. **Suzuki N, Withers HR:** Exponential decrease during aging and random lifetime of mouse spermatogonial stem cells. Science 202(4373):1214–5, 15 Dec 78
*AGING/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ GAMMA RAYS/ MALE/ MICE/ *SPERMATOGONIA, cytology/ *SPERMATOZOA, cytology/ *TESTIS, cytology/ TESTIS, radiation effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3881. **Suzuki S, Sugi H:** Ultrastructural and physiological studies on the longitudinal body wall muscle of Dolabella auricularia. II. Localization of intracellular calcium and its translocation during mechanical activity. J Cell Biol 79(2 Pt 1):467–78, Nov 78
ANIMAL/ CALCIUM, analysis/ *CALCIUM, metabolism/ CELL MEMBRANE, analysis/ *MOLLUSCA, physiology/ MOLLUSCA, ultrastructure/ *MUSCLE CONTRACTION/ MUSCLE, SMOOTH, analysis/ *MUSCLE, SMOOTH, physiology/ MUSCLE, SMOOTH, ultrastructure/ SARCOPLASMIC RETICULUM, analysis

3882. **Suzuki T, Ito T:** [Renin-angiotensin-aldosterone system and electrolytes metabolism on furosemide stimulation test (author's transl)] Nippon Jinzo Gakkai Shi 20(7):759–69, Jul 78 (Eng. Abstr.) **(Jpn)**
*ALDOSTERONE, blood/ DIET, SALT-FREE/ *ELECTROLYTES, metabolism/ ENGLISH ABSTRACT/ *FUROSEMIDE, diagnostic use/ HUMAN/ HYPERTENSION, blood/ *RENIN, blood

3883. **Suzuki Y, Honda Y, Ito M:** Pharmacological studies on experimental nephritic rats. (4) Improvement of hyperlipemic models in rats utilizing anti-rat kidney rabbit serum and effects of anti-hyperlipemic agents on serum lipid levels. Jpn J Pharmacol 28(5):729–38, Oct 78
ANIMAL/ *ANTILIPEMIC AGENTS, pharmacodynamics/ CHOLESTEROL, metabolism/ DIET/ *DISEASE MODELS, ANIMAL/ GLUCOCORTICOIDS, pharmacodynamics/ *HYPERLIPEMIA, chemically induced/ *KIDNEY, immunology/ LIPIDS, blood/ LIPOPROTEINS, blood/ MALE/ *NEPHRITIS, chemically induced/ PROTEINURIA, metabolism/ RATS, immunology/ TIME FACTORS

3884. **Svensson TH:** Central alpha-adrenoceptors and affective symptoms and disorders. pp. 245–54.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
*AFFECTIVE DISTURBANCES, physiopathology/ ANIMAL/ APOMORPHINE, pharmacodynamics/ *CENTRAL NERVOUS SYSTEM, physiology/ CLONIDINE, pharmacodynamics/ DRUG SYNERGISM/ HYPERTHYROIDISM, physiopathology/ LOCUS COERULEUS, metabolism/ MONOGRAPH/ MOTOR ACTIVITY, drug effects/ NOREPINEPHRINE, metabolism/ RATS/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, ALPHA, drug effects/ *RECEPTORS, ADRENERGIC, ALPHA, physiology/ RECEPTORS, DOPAMINE, drug effects/ RESERPINE, pharmacodynamics/ THYROXINE, pharmacodynamics/ YOHIMBINE, pharmacodynamics

3885. **Swaab DF, Boer GJ, Visser M:** The fetal brain and intrauterine growth. Postgrad Med J 54 Suppl 1:63–73, 1978
ANENCEPHALY, embryology/ ANENCEPHALY, physiopathology/ ANIMAL/ BRAIN, abnormalities/ *BRAIN, embryology/ BRAIN, physiology/ FETAL GROWTH RETARDATION, etiology/ *FETUS, physiology/ HUMAN/ MSH, physiology/ PITUITARY GLAND, embryology/ PITUITARY GLAND, physiology/ RATS

3886. **Swartzman JA, Hintz HF, Schryver HF:** Inhibition of calcium absorption in ponies fed diets containing oxalic acid. Am J Vet Res 39(10):1621–3, Oct 78
ADMINISTRATION, ORAL/ ANIMAL FEED/ ANIMAL/ *CALCIUM, metabolism/ CALCIUM, urine/ FECES, analysis/ *HORSES, metabolism/ INTESTINAL ABSORPTION/ OXALATES, administration & dosage/ *OXALATES, pharmacodynamics

3887. **Swift PG, Kearney PJ, Dalton RG, et al:** Growth and hormonal status of children treated for acute lymphoblastic leukaemia. Arch Dis Child 53(11):890–4, Nov 78
ADOLESCENCE/ BODY HEIGHT/ CHILD/ FEMALE/ *GROWTH/ *HORMONES, blood/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LEUKEMIA, LYMPHOBLASTIC, blood/ *LEUKEMIA, LYMPHOBLASTIC, physiopathology/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ MALE/ REMISSION/ SOMATOTROPIN, blood

3888. **Swinburn PD:** Asthma in adult patients. NZ Med J 88(619):204–7, 13 Sep 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ASTHMA, diagnosis/ ASTHMA, drug therapy/ *ASTHMA, therapy/ BECLOMETHASONE, therapeutic use/ BRONCHODILATOR AGENTS, therapeutic use/ DISODIUM CROMOGLYCATE, therapeutic use/ FEMALE/ HEALTH EDUCATION/ HUMAN/ MALE/ MIDDLE AGE

3889. **Sybert VP:** Pheochromocytomas in von Hippel-Lindau disease [letter] AJR 131(4):736, Oct 78
ADULT/ *ANGIOMATOSIS, complications/ FEMALE/ *HIPPEL-LINDAU DISEASE, complications/ HUMAN/ *KIDNEY NEOPLASMS, etiology/ MALE/ *PHEOCHROMOCYTOMA, etiology

3890. **Symonds EM, Pipkin FB:** Pregnancy hypertension, parity, and the renin-angiotensin system. Am J Obstet Gynecol 132(5):473–9, 1 Nov 78
ADULT/ *ANGIOTENSIN II, blood/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, complications/ HYPERTENSION, familial & genetic/ *PARITY/ *PREGNANCY COMPLICATIONS, CARDIOVASCULAR, blood/ PREGNANCY COMPLICATIONS, CARDIOVASCULAR, familial & genetic/ PREGNANCY/ PROTEINURIA, complications/ *RENIN, physiology/ TIME FACTORS

3891. **Sysuev VA, Konoshenko GI, Terekhova VA, et al:** Fosfogidrolazy fitopatogennogo griba Phytophthora infestans (Mont) de Bary. Biokhimiia 43(10):1790–5, Oct 78 (Eng. Abstr.) **(Rus)**
ADENOSINE TRIPHOSPHATASE, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ MAGNESIUM, pharmacodynamics/ *PHOSPHATASES, metabolism/ *PHYCOMYCETES, enzymology/ *PHYTOPHTHORA, enzymology/ POLYPHOSPHATES/ PYROPHOSPHATASES, antagonists & inhibitors/ PYROPHOSPHATASES, metabolism/ RUTHENIUM RED, pharmacodynamics/ TEMPERATURE

3892. **Szarvas Z:** Tartós progesztatív kezelés hatása az endometrium adenocarcinomás folyamataira. Morphol Igazsagugyi Orv Sz 18(3):166–73, Jul 78 (Eng. Abstr.) **(Hun)**
*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONES, therapeutic use/ *UTERINE NEOPLASMS, drug therapy/ UTERINE NEOPLASMS, ultrastructure

3893. **Szczeklik A, Gryglewski RJ, Nižankowski R, et al:** Circulatory and anti-platelet effects of intravenous prostacyclin in healthy men. Pharmacol Res Commun 10(6):545–56, Jun 78
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADULT/ BLOOD COAGULATION, drug effects/ BLOOD PRESSURE, drug effects/ BODY TEMPERATURE, drug effects/ HEART RATE, drug effects/ *HEMODYNAMICS, drug effects/ HUMAN/ MALE/ MIDDLE AGE/ OXYGEN, blood/ *PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PROTHROMBIN TIME

3894. **Szekamova S, Répássy G, Lapis K, et al:** A thymus és

neuromuscularis junctio finomszerkezete myastheniás és nem myastheniás betegekben. Morphol Igazsagugyi Orv Sz 18(2):107–16, Apr 78 (Eng. Abstr.) **(Hun)**
ADULT/ BIOPSY/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *MYASTHENIA GRAVIS, pathology/ *NEUROMUSCULAR JUNCTION, ultrastructure/ SYNAPSES, ultrastructure/ SYNAPTIC VESICLES, ultrastructure/ THYMOMA, ultrastructure/ *THYMUS GLAND, ultrastructure/ THYMUS NEOPLASMS, ultrastructure/ THYROID GLAND, ultrastructure

3895. **Szmigielska H, Szadowska A, Mazur M:** Turnover rate of 5-hydroxytryptamine in rat brain after prolonged vasopressin administration. Agressologie 19(2):105–8, 1978
ANIMAL/ BLOOD PRESSURE, drug effects/ *BRAIN, metabolism/ *LYPRESSIN, pharmacodynamics/ MALE/ RATS/ *SEROTONIN, metabolism

3896. **Szmigielski S, Janiak M, Möllby R, et al:** Metabolism of rabbit kidney cells incubated in vitro with phospholipase C from Staphylococcus aureus and Clostridium perfringens. Toxicon 16(6):567–74, 1978
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *BACTERIAL TOXINS, pharmacodynamics/ CELL LINE/ CELL NUMBER, drug effects/ *CLOSTRIDIUM PERFRINGENS/ GLYCINE, metabolism/ KIDNEY, cytology/ KIDNEY, drug effects/ *KIDNEY, metabolism/ OUABAIN, metabolism/ *PHOSPHOLIPASE, pharmacodynamics/ RADIOISOTOPES, diagnostic use/ RUBIDIUM, diagnostic use/ *STAPHYLOCOCCUS AUREUS/ THYMIDINE, metabolism/ URIDINE, metabolism

3897. **Szukalski B:** Rola receptorów hormonalnych w powstawaniu raka sutka i ocenie jego wrażliwości na hormony. Endokrynol Pol 29(6):441–58, Nov–Dec 78 **(Pol)**
*BREAST NEOPLASMS, etiology/ ESTROGENS, metabolism/ FEMALE/ GLUCOCORTICOIDS, metabolism/ HUMAN/ OVARY, metabolism/ *RECEPTORS, HORMONE

3898. **Szulman AE, Surti U, Berman M:** Patient with partial mole requiring chemotherapy [letter] Lancet 2(8099):1099, 18 Nov 78
ABORTION, THERAPEUTIC/ ADULT/ CASE REPORT/ *DACTINOMYCIN, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ GONADOTROPINS, CHORIONIC, antagonists & inhibitors/ HUMAN/ HYDATIDIFORM MOLE, blood/ *HYDATIDIFORM MOLE, therapy/ POLYPLOIDY/ POSTOPERATIVE CARE/ PREGNANCY/ UTERINE NEOPLASMS, blood/ *UTERINE NEOPLASMS, therapy

3899. **Szybiński Z, Stachura J, Sieradzki J, et al:** Schorzenia tarczycy w regionie krakowskim w latach 1967––1973. Folia Med Cracov 20(2):191–200, 1978 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ GOITER, ENDEMIC, occurrence/ GOITER, NODULAR, occurrence/ HUMAN/ MALE/ POLAND/ *THYROID DISEASES, occurrence/ *THYROID NEOPLASMS, occurrence

3900. **Szymendera J, Galus K:** Effect of 24,25-dihydroxycholecalciferol on calcium absorption in proximal small intestine in uraemia. Br Med J 2(6150):1465–6, 25 Nov 78
*CALCIUM, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *INTESTINAL ABSORPTION, drug effects/ INTESTINE, SMALL, metabolism/ *UREMIA, metabolism

T

3901. **Tabachnick M, Korcek L:** Thyroxine-protein interactions. Binding constants for interaction of thyroxine analogues with the thyroxine binding site on human thyroxine-binding globulin. Biochim Biophys Acta 537(1):169–75, 20 Nov 78
BINDING SITES/ HUMAN/ PROTEIN BINDING/ *SERUM GLOBULINS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *THYROXINE BINDING PROTEIN/ *THYROXINE, analogs & derivatives/ TRIIODOTHYRONINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3902. **Tabatabai M, Farrokhsiar M, Cohanim N:** Effects of ovine hydatid cyst fluid in sheep before and after treatment with hydrocortisone, antihistamines and atropine. Pahlavi Med J 9(3):260–76, Jul 78
ANIMAL/ *ATROPINE, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CENTRAL VENOUS PRESSURE, drug effects/ *ECHINOCOCCOSIS/ ELECTROCARDIOGRAPHY/ *EXUDATES AND TRANSUDATES/ HEART RATE, drug effects/ *HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ *HYDROCORTISONE, pharmacodynamics/ RESPIRATION, drug effects/ SHEEP

3903. **Tadano Y, Yamada K:** The histochemistry of complex carbohydrates in the ovarian follicles of adult mice. Histochemistry 57(3):203–15, 15 Sep 78
ANIMAL/ *CARBOHYDRATES, analysis/ CHONDROITIN SULFATES, analysis/ COMPARATIVE STUDY/ FEMALE/ GLYCOSAMINOGLYCANS, analysis/ GRAAFIAN FOLLICLE, analysis/ *HISTOCYTOCHEMISTRY, methods/ HYALURONIC ACID, analysis/ MICE/ OOCYTES, analysis/ *OVARY, analysis/ SIALIC ACIDS, analysis/ ZONA PELLUCIDA, analysis

3904. **Tähkä KM:** A histochemical study on the effects of photoperiod on gonadal and adrenal function in the male bank vole (Clethrionomys glareolus). J Reprod Fertil 54(1):57–66, Sep 78
ADRENAL CORTEX, enzymology/ ADRENAL CORTEX, growth & development/ *ADRENAL CORTEX, physiology/ ANIMAL/ BODY WEIGHT/ HISTOCYTOCHEMISTRY/ *LIGHT/ LIPIDS, metabolism/ LIPOAMIDE DEHYDROGENASE, metabolism/ MALE/ ORGAN WEIGHT/ *RODENTS, physiology/ SEX MATURATION/ TESTIS, enzymology/ TESTIS, growth & development/ *TESTIS, physiology/ VOLES, growth & development/ VOLES, metabolism/ *VOLES, physiology

3905. **Taira K, Shibasaki S:** A fine structure study of the non-ciliated cells in the mouse tracheal epithelium with special reference to the relation of 'brush cells' and 'endocrine cells'. Arch Histol Jpn 41(4):351–66, Sep 78
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ ENDOCRINE GLANDS, ultrastructure/ EPITHELIUM, ultrastructure/ MICE/ *TRACHEA, ultrastructure

3906. **Tait RM, van Heyningen S:** The adenylate cyclase-activating activity of cholera toxin is not associated with a nicotinamide--adenine dinucleotide glycohydrolase activity. Biochem J 174(3):1059–62, 15 Sep 78
*ADENYL CYCLASE, metabolism/ *CHOLERA TOXIN, pharmacodynamics/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ENZYME ACTIVATION, drug effects/ *NAD NUCLEOSIDASE, metabolism

3907. **Tajima C, Tamaki Y, Hayashi K, et al:** [The hormonal dynamics picture of tamoxifen treatment cases, in comparison of clomid treatment cases (author's transl)] Nippon Funin Gakkai Zasshi 23(4):398–404, Oct 78 (Eng. Abstr.) **(Jpn)**
ADULT/ *ANOVULATION, blood/ ANOVULATION, drug therapy/ CASE REPORT/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ *HORMONES, blood/ HUMAN/ LH, blood/ PROGESTERONE, blood/ TAMOXIFEN, administration & dosage/ *TAMOXIFEN, therapeutic use

3908. **Takagi K:** [Comparison of natural attacks of asthma and attacks induced by exercise and inhalation of histamine or sulpyrin, with special reference to changes in vasoactive substances (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(8):540–5, Aug 78 (Eng. Abstr.) **(Jpn)**
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ *AMINOPYRINE, analogs & derivatives/ *ASTHMA, blood/ ASTHMA, chemically induced/ *ASTHMA, EXERCISE-INDUCED, blood/ COMPARATIVE STUDY/ *DIPYRONE, diagnostic use/ DOPAMINE BETA-HYDROXYLASE, blood/ ENGLISH ABSTRACT/ GUANOSINE

CYCLIC-3',5'-MONOPHOSPHATE, blood/ *HISTAMINE, diagnostic use/ HUMAN/ NOREPINEPHRINE, blood

3909. **Takahashi H, Yoshizaki K, Kato H, et al:** A gonadotrophin-responsive virilizing adrenal tumour identified as a mixed ganglioneuroma and adreno-cortical adenoma. Acta Endocrinol (Copenh) 89(4):701-9, Dec 78
*ADENOMA, VIRILIZING/ ADENOMA, VIRILIZING, pathology/ ADENOMA, VIRILIZING, secretion/ ADRENAL CORTEX, pathology/ *ADRENAL GLAND NEOPLASMS/ ADRENAL GLAND NEOPLASMS, pathology/ ADRENAL GLAND NEOPLASMS, secretion/ ADULT/ ANDROSTENEDIONE, blood/ CASE REPORT/ CORTICOTROPIN, administration & dosage/ DEHYDROEPIANDROSTERONE, blood/ DEXAMETHASONE, diagnostic use/ FEMALE/ FSH, blood/ *GANGLIONEUROMA/ GANGLIONEUROMA, pathology/ GANGLIONEUROMA, secretion/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ HYDROCORTISONE, blood/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ TESTOSTERONE, blood/ TESTOSTERONE, secretion/ 17-HYDROXYCORTICOSTEROIDS, urine/ 17-KETOSTEROIDS, urine

3910. **Takahashi K, Hirose Y, Haneda A, et al:** A comparative study of the contraceptive mechanism of the Cu-intrauterine device and the plastic-intrauterine device in rats. Tohoku J Exp Med 126(4):325-33, Dec 78
ANIMAL/ COMPARATIVE STUDY/ CORPUS LUTEUM, physiology/ ESTRUS/ FEMALE/ INTRAUTERINE DEVICES, standards/ *INTRAUTERINE DEVICES, COPPER, standards/ MALE/ PLASTICS/ RATS/ SEX BEHAVIOR, ANIMAL/ SPERM TRANSPORT

3911. **Takamitsu Y, Orita Y, Abe Y:** [Renal tubular acidosis (author's transl)] Nippon Rinsho 36(10):3409-12, Oct 78 **(Jpn)**
*ACIDOSIS, RENAL TUBULAR, metabolism/ *CALCIUM, metabolism/ HUMAN/ *PHOSPHORUS, metabolism

3912. **Takamiya H, Bodemer W, Vogt A:** Masking of protein antigen by modification of amino groups with carbobenzoxychloride (benzyl chloroformate) and demasking by treatment with nonspecific protease. J Histochem Cytochem 26(11):914-20, Nov 78
ACETONE, pharmacodynamics/ AMINO ACIDS, metabolism/ ANIMAL/ *ANTIGENS/ BENZYL COMPOUNDS, pharmacodynamics/ BROMIDES, pharmacodynamics/ CATTLE/ CORTICOTROPIN, immunology/ FLUORESCENT ANTIBODY TECHNIC/ *FORMIC ACIDS, pharmacodynamics/ *GAMMA GLOBULINS, immunology/ *INSULIN, immunology/ *PEPTIDE HYDROLASES, pharmacodynamics/ RABBITS

3913. **Takaoka Y, White RJ, Billiar RB, et al:** Regional arterial blood flow in the primate pituitary gland. Surg Forum 28:464-6, 1977
ANIMAL/ ARTERIES, physiology/ *MONKEYS, anatomy & histology/ *PITUITARY GLAND, blood supply/ REGIONAL BLOOD FLOW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3914. **Takasu N, Charrier B, Mauchamp J, et al:** Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 2. Positive regulation. Eur J Biochem 90(1):139-46, 15 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ *PROSTAGLANDINS E, pharmacodynamics/ PUROMYCIN, pharmacodynamics/ SWINE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics

3915. **Takasu N, Charrier B, Mauchamp J, et al:** Modulation of adenylate cyclase/cyclic AMP response by thyrotropin and prostaglandin E2 in cultured thyroid cells. 1. Negative regulation. Eur J Biochem 90(1):131-8, 15 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CELLS, CULTURED/ DACTINOMYCIN, pharmacodynamics/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ *PROSTAGLANDINS E, pharmacodynamics/ SWINE/ THYROID GLAND, drug effects/ *THYROID GLAND, metabolism/ *THYROTROPIN, pharmacodynamics/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism

3916. **Takatori T, Yamaoka A:** Effects of prostaglandins on the metabolism of cholesteryl ester in rat testes: changes in the synthesis and hydrolysis of cholesteryl ester and the activity of cholesterol side-chain cleavage enzyme. J Endocrinol 79(1):41-8, Oct 78
ANIMAL/ *CHOLESTEROL DESMOLASE, metabolism/ CHOLESTEROL ESTERS, biosynthesis/ *CHOLESTEROL ESTERS, metabolism/ FATTY ACIDS, analysis/ HYDROLYSIS/ LH, blood/ MALE/ *OXIDOREDUCTASES, metabolism/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ TESTIS, drug effects/ *TESTIS, metabolism/ TESTOSTERONE, blood

3917. **Takayama S, Fujiwara M:** Site of origin of 2,7-FAA-induced rat leukemia. Acta Pathol Jpn 28(4):531-9, Jul 78
ANIMAL/ BONE AND BONES, pathology/ ERYTHROBLASTS, pathology/ FEMALE/ *FLUORENES/ LEUKEMIA, EXPERIMENTAL, chemically induced/ LEUKEMIA, EXPERIMENTAL, pathology/ LEUKEMIA, MYELOCYTIC, chemically induced/ *LEUKEMIA, MYELOCYTIC, pathology/ MALE/ RATS/ *2,7-DIACETYLAMINOFLUORENE

3918. **Takayanagi M, Nakamura Y, Nakamura F, et al:** [Case of hyperthyroidism associated with several forms of autoimmune diseases] Horumon To Rinsho 26(11):1214-8, Nov 78 **(Jpn)**
ADOLESCENCE/ *AUTOIMMUNE DISEASES, complications/ CASE REPORT/ FEMALE/ HEPATITIS, complications/ HUMAN/ *HYPERTHYROIDISM, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications

3919. **Takeda F, Fujii T:** [Radioimmunoassay of prolactin in neurosurgical practice (author's transl)] No Shinkei Geka 6(9):871-80, Sep 78 (Eng. Author's) **(Jpn)**
ADENOMA, blood/ ADENOMA, secretion/ ADOLESCENCE/ ADULT/ CRANIOPHARYNGIOMA, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PINEALOMA, blood/ *PITUITARY NEOPLASMS, blood/ PITUITARY NEOPLASMS, secretion/ *PROLACTIN, blood/ PROLACTIN, secretion/ RADIOIMMUNOASSAY/ SOMATOTROPIN, secretion

3920. **Takeda S:** [The acute effect of the human growth hormone under hyperglycemic conditions in man (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(8):994-1006, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
ADULT/ BLOOD SUGAR, analysis/ C-PEPTIDE, blood/ ENGLISH ABSTRACT/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, blood/ GLUCOSE, administration & dosage/ HUMAN/ *HYPERGLYCEMIA, blood/ HYPERGLYCEMIA, chemically induced/ INSULIN, blood/ MALE/ *SOMATOTROPIN, pharmacodynamics

3921. **Takegami T, Nagaoka K, Sakurami T, et al:** [In vitro stimulation of peripheral blood lymphocytes with allogeneic lymphocytes (mixed lymphocyte culture, MLC) or phytomitogens in patients with Hashimoto's thyroiditis (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1030-42, 20 Sep 78 (Eng. Abstr.)
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LECTINS, pharmacodynamics/ *LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTE TRANSFORMATION/ *LYMPHOCYTES, immunology/ MALE/ MIDDLE AGE/ MITOGENS, pharmacodynamics/ *THYROIDITIS, LYMPHOMATOUS, immunology

3922. **Taketa K, Watanabe A, Ueda M, et al:** Suppressed dietary inducibility of glucose 6-phosphate dehydrogenase and elevated cyclic AMP in acute hepatic injury. Proc Soc Exp Biol Med 159(1):148-51, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,

metabolism/ ANIMAL/ CASEIN, administration & dosage/ *DIET/ ENZYME INDUCTION/ GLUCOSE, administration & dosage/ *GLUCOSEPHOSPHATE DEHYDROGENASE, biosynthesis/ LIVER REGENERATION/ LIVER, drug effects/ *LIVER, injuries/ LIVER, metabolism/ MALE/ RATS/ STARVATION/ THIOACETAMIDE, toxicity/ TIME FACTORS

3923. **Taketomi Y, Kuramoto A:** Ultrastructural studies on the surface coat of human platelet aggregated by polylysine and dextran. Thromb Haemost 40(1):11–23, 31 Aug 78
ADENOSINE, pharmacodynamics/ ASPIRIN, pharmacodynamics/ *BLOOD PLATELETS, ultrastructure/ CELL MEMBRANE, ultrastructure/ *DEXTRANS, pharmacodynamics/ HEPARIN, pharmacodynamics/ HUMAN/ MACROMOLECULAR SYSTEMS/ *PEPTIDES, pharmacodynamics/ *PLATELET AGGREGATION, drug effects/ *POLYLYSINE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ SEROTONIN, metabolism

3924. **Takeuchi A, Suzuki M, Tsuchiya S:** Effect of thyroidectomy on the secretory profiles of growth hormone, thyrotropin and corticosterone in the rat. Endocrinol Jpn 25(4):381–90, Aug 78
ANIMAL/ BODY WEIGHT/ CIRCADIAN RHYTHM/ *CORTICOSTERONE, blood/ MALE/ ORGAN WEIGHT/ PITUITARY GLAND, ANTERIOR, anatomy & histology/ RATS/ *SOMATOTROPIN, blood/ *THYROIDECTOMY/ *THYROTROPIN, blood

3925. **Takizawa T, Hatakeyama S:** Age-associated changes in microvasculature of human adult testis. Acta Pathol Jpn 28(4):541–54, Jul 78
ADOLESCENCE/ ADULT/ AGED/ *AGING/ ARTERIES, ultrastructure/ CAPILLARIES, ultrastructure/ HUMAN/ MALE/ MICROCIRCULATION/ MIDDLE AGE/ MODELS, BIOLOGICAL/ *TESTIS, blood supply/ TESTIS, pathology/ TESTIS, physiology

3926. **Tamai H, Suematsu H, Takahashi H, et al:** [Changes in serum thyrotropin, thyroxine and triiodothyronine after complete thyroidectomy (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(7):891–7, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ *THYROIDECTOMY/ *THYROTROPIN, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

3927. **Tamarit-Rodriguez J:** Different effects of the ionophore A-23187 and D-glucose on 45Ca2+ fluxes in isolated islets of ob/ob-mice. Acta Physiol Scand 103(4):379–83, Aug 78
*A-23187, pharmacodynamics/ *ANTIBIOTICS, pharmacodynamics/ *CALCIUM, metabolism/ *GLUCOSE, pharmacodynamics/ HUMAN/ IN VITRO/ *ISLANDS OF LANGERHANS, metabolism/ MICE

3928. **Tamaya T, Furuta N, Boku S, et al:** Studies on progesterone receptor in rabbit uterus. Nippon Funin Gakkai Zasshi 23(4):391–7, Oct 78
ANIMAL/ CYTOSOL, analysis/ FEMALE/ PROTEIN BINDING/ RABBITS/ *RECEPTORS, PROGESTERONE, analysis/ *UTERUS, analysis

3929. **Tamaya T, Furuta N, Motoyama T, et al:** [The effect of enzymes on progesterone-receptor binding and chromatin binding of the complex in the estrogen-primed rabbit uterus (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(10):1198–206, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ BINDING SITES/ *CHROMATIN, metabolism/ DEOXYRIBONUCLEASE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ FEMALE/ PEPTIDE HYDROLASES, pharmacodynamics/ PHOSPHOLIPASE, pharmacodynamics/ RABBITS/ *RECEPTORS, PROGESTERONE, metabolism/ RIBONUCLEASE, pharmacodynamics/ UTERUS, cytology/ *UTERUS, metabolism

3930. **Tan EL, Trachewsky D:** Effect of aldosterone on flavin coenzyme biosynthesis in the kidney. J Steroid Biochem 6(11–12):1471–5, Nov–Dec 75
ADRENALECTOMY/ *ALDOSTERONE, pharmacodynamics/ ANIMAL/ CORTICOSTERONE, pharmacodynamics/ FLUDROCORTISONE, pharmacodynamics/ *FAD, biosynthesis/ KIDNEY, drug effects/ *KIDNEY, metabolism/ MALE/ PROGESTERONE, pharmacodynamics/ RATS/ *RIBOFLAVIN, metabolism

3931. **Tan SY, Bravo E, Mulrow PJ:** Impaired renal prostaglandin E2 biosynthesis in human hypertensive states. Prostaglandins Med 1(1):76–85, Jul 78
FEMALE/ HUMAN/ HYPERALDOSTERONISM, metabolism/ HYPERTENSION, enzymology/ *HYPERTENSION, metabolism/ HYPERTENSION, RENOVASCULAR, metabolism/ INDOMETHACIN, pharmacodynamics/ *KIDNEY, metabolism/ KININASE II, antagonists & inhibitors/ MALE/ MIDDLE AGE/ *PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS E, urine/ RENIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3932. **Tanae A:** [Juvenile diabetes mellitus and autoimmunity] Horumon To Rinsho 26(9):881–8, Sep 78 **(Jpn)**
ADOLESCENCE/ ANTINUCLEAR FACTORS, analysis/ *AUTOANTIBODIES, analysis/ CHILD/ CHILD, PRESCHOOL/ COMPLEMENT 3, analysis/ DIABETES MELLITUS, JUVENILE, familial & genetic/ *DIABETES MELLITUS, JUVENILE, immunology/ FEMALE/ HUMAN/ LONG-ACTING THYROID STIMULATOR, analysis/ MALE

3933. **Tanaka K, Sato M, Tomita Y, et al:** Biochemical studies on liver functions in primary cultured hepatocytes of adult rats. I. Hormonal effects on cell viability and protein synthesis. J Biochem (Tokyo) 84(4):937–46, Oct 78
ANIMAL/ CELL ADHESION, drug effects/ CELL SURVIVAL, drug effects/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ GLUCAGON, pharmacodynamics/ *HORMONES, pharmacodynamics/ INSULIN, pharmacodynamics/ *LIVER, metabolism/ MALE/ *PROTEINS, biosynthesis/ RATS/ RIBONUCLEASE, metabolism/ RIBOSOMES, metabolism/ SOMATOTROPIN, pharmacodynamics/ TRIIODOTHYRONINE, pharmacodynamics

3934. **Tanaka M, Abe K:** [Malignant tumors] Nippon Rinsho 36(10):3426–30, Oct 78 (38 ref.) **(Jpn)**
HORMONES, ECTOPIC, blood/ HUMAN/ *HYPERCALCEMIA, etiology/ HYPERCALCEMIA, therapy/ HYPERPARATHYROIDISM, complications/ *NEOPLASMS, complications/ OSTEOCLASTS/ PARATHYROID HORMONE, blood/ REVIEW

3935. **Tanaka S, Omoto T, Tanizaki M, et al:** [Results of the treatment of thymoma; clinico-pathological study on 43 cases (author's transl)] Nippon Kyobu Geka Gakkai Zasshi 26(9):1039–46, Sep 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM INVASIVENESS/ PROGNOSIS/ THYMOMA, pathology/ *THYMOMA, surgery/ THYMUS NEOPLASMS, pathology/ *THYMUS NEOPLASMS, surgery

3936. **Tanaka T, Suwa S:** The effect of alpha adrenergic receptor blockade on the glucagon-induced growth hormone response. Clin Endocrinol (Oxf) 9(3):267–72, Sep 78
ADULT/ *GLUCAGON, pharmacodynamics/ HUMAN/ INSULIN, secretion/ MALE/ *PHENTOLAMINE, pharmacodynamics/ SECRETORY RATE, drug effects/ *SOMATOTROPIN, secretion

3937. **Tanaka T, Fujimoto S, Kutsuzawa T:** The effect of ovarian wedge resection and incision on circulating gonadotropin in patients with polycystic ovarian disease. Int J Fertil 23(2):93–9, 1978
ADMINISTRATION, ORAL/ ADULT/ BODY TEMPERATURE/ DYDROGESTERONE, administration & dosage/ DYDROGESTERONE, pharmacodynamics/ ESTRADIOL, blood/ FEMALE/ *FSH, blood/ HUMAN/ *LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ METHODS/ *OVARY, surgery/ OVULATION INDUCTION/ PROGESTERONE, blood/ STEIN-LEVENTHAL SYNDROME, blood/ *STEIN-LEVENTHAL SYNDROME, surgery/ 17-KETOSTEROIDS, urine

3938. **Tang BY, Adams NR:** Enzyme activities and protein and carbohydrate concentrations in cervical secretions at

dioestrus in normal ewes and ewes with permanent phytooestrogenic infertility. Aust J Biol Sci 31(3):241–6, Jun 78

ANIMAL/ *CARBOHYDRATES, analysis/ *CERVIX MUCUS, analysis/ CERVIX MUCUS, enzymology/ *DIESTRUS/ ESTROGENS, poisoning/ *ESTRUS/ FEMALE/ PLANT POISONING, metabolism/ *PLANT POISONING, veterinary/ *PROTEINS, analysis/ *SHEEP DISEASES, metabolism/ SHEEP/ STERILITY, FEMALE, metabolism/ *STERILITY, FEMALE, veterinary

3939. **Tangney CC, Driskell JA:** Vitamin E status of young women on combined-type oral contraceptives. Contraception 17(6):499–512, Jun 78

ADOLESCENCE/ ADULT/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ DIET/ FEMALE/ HEMOLYSIS/ HUMAN/ SPECTROPHOTOMETRY/ *VITAMIN E, blood

3940. **Tannenbaum SR, Moran D, Rand W, et al:** Gastric cancer in Colombia. IV. Nitrite and other ions in gastric contents of residents from a high-risk region. JNCI 62(1):9–12, Jan 79

AGED/ CHLORIDES, analysis/ COLOMBIA/ FEMALE/ *GASTRIC JUICE, analysis/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ MIDDLE AGE/ NITRATES, analysis/ *NITRITES, analysis/ PRECANCEROUS CONDITIONS, analysis/ RISK/ STOMACH NEOPLASMS, analysis/ *STOMACH NEOPLASMS, etiology/ THIOCYANATES, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3941. **Tanphaichitr N, Sobhon P, Taluppeth N, et al:** Basic nuclear proteins in testicular cells and ejaculated spermatozoa in man. Exp Cell Res 117(2):347–56, Dec 78

ADULT/ AMINO ACIDS, analysis/ COMPARATIVE STUDY/ DNA, metabolism/ *HISTONES, analysis/ HISTONES, metabolism/ HUMAN/ MALE/ *NUCLEOPROTEINS, analysis/ *PROTAMINES, analysis/ SPERMATOGENESIS/ *SPERMATOZOA, analysis/ *TESTIS, analysis

3942. **Tanswell AK, Smith BT:** The relationship of amniotic membrane 11-oxidoreductase activity to lung maturation in the human fetus. Pediatr Res 12(10):957–60, Oct 78

AMNION, enzymology/ *AMNION, metabolism/ *CORTISONE, metabolism/ ENZYME ACTIVATION/ FEMALE/ GESTATIONAL AGE/ HUMAN/ *HYDROCORTISONE, metabolism/ INFANT, NEWBORN/ *OXIDOREDUCTASES, metabolism/ PREGNANCY/ RESPIRATORY DISTRESS SYNDROME, enzymology/ *RESPIRATORY DISTRESS SYNDROME, metabolism

3943. **Tarakji MS, Matta CS, Shammas HF:** Cryotherapy of herpes simplex keratitis. Ann Ophthalmol 10(11):1557–9, Nov 78

CHILD/ COMPARATIVE STUDY/ *CRYOTHERAPY/ HUMAN/ *IDOXURIDINE, therapeutic use/ KERATITIS, DENDRITIC, drug therapy/ *KERATITIS, DENDRITIC, therapy/ STEROIDS, therapeutic use

3944. **Taraskevich PS, Douglas WW:** Catecholamines of supposed inhibitory hypophysiotrophic function suppress action potentials in prolactin cells. Nature 276(5690):832–4, 21–28 Dec 78

*ACTION POTENTIALS, drug effects/ ANIMAL/ CALCIUM, physiology/ DEPRESSION, CHEMICAL/ *DOPAMINE, pharmacodynamics/ ELECTRIC CONDUCTIVITY/ FISHES/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ NEURAL INHIBITION/ *NOREPINEPHRINE, pharmacodynamics/ *PITUITARY GLAND, ANTERIOR, physiology/ PITUITARY GLAND, ANTERIOR, secretion/ *PROLACTIN, secretion/ SODIUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3945. **Tarquini A, di Martino L, Malloci A, et al:** Abnormalities in evening plasma prolactin levels in nulliparous women with benign or malignant breast disease. Int J Cancer 22(6):687–90, Dec 78

*ADENOFIBROMA, blood/ *ADENOMA, blood/ ADOLESCENCE/ ADULT/ *BREAST NEOPLASMS, blood/ BREAST, pathology/ CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ MENOPAUSE/ PARITY/ PROGESTERONE, blood/ *PROLACTIN, blood/ RISK

3946. **Tashjian AH Jr:** Prolactin-producing cells in culture: control of hormone biosynthesis and release. Clin Endocrinol (Oxf) 6 Suppl:43S–45S, 1977

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CELLS, CULTURED, metabolism/ CLONE CELLS/ *PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ *PITUITARY NEOPLASMS, secretion/ *PROLACTIN, biosynthesis/ RATS/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ *THYROTROPIN RELEASING HORMONE, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3947. **Tassell R, Chamley WA, Kennedy JP:** Gonadotrophin levels and ovarian development in the neonatal ewe lamb. Aust J Biol Sci 31(3):267–73, Jun 78

ANIMAL/ *ANIMALS, NEWBORN, growth & development/ ESTRADIOL, analysis/ FEMALE/ *GONADOTROPINS, PITUITARY, analysis/ GONADOTROPINS, PITUITARY, blood/ GRAAFIAN FOLLICLE, growth & development/ OVARY, analysis/ *OVARY, growth & development/ PITUITARY GLAND, analysis/ PROGESTERONE, analysis/ *SHEEP, growth & development

3948. **Tateishi K, Kato A, Yamamoto H, et al:** Anti-testosterone antisera produced in mice of different strains and sexes. Steroids 32(2):233–43, Sep 78

ANIMAL/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ *IMMUNE SERUMS/ MALE/ MICE/ MICE, INBRED AKR/ MICE, INBRED C57BL/ MICE, INBRED DBA/ RADIOIMMUNOASSAY/ SEX FACTORS/ TESTOSTERONE, blood/ *TESTOSTERONE, immunology

3949. **Taub M, Coyne MJ, Bonorris GG, et al:** Inhibition by propranolol of bile acid- and PGE1-stimulated camp and intestinal secretion. Am J Gastroenterol 70(2):129–35, Aug 78

*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ADENYL CYCLASE, metabolism/ ANIMAL/ COLON, enzymology/ DEOXYCHOLIC ACID, pharmacodynamics/ ENDOTOXINS, pharmacodynamics/ FEMALE/ *INTESTINAL SECRETIONS, drug effects/ *PROPRANOLOL, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ RABBITS/ VIBRIO CHOLERAE

3950. **Taylor B, Sibbald WJ, Edmonds MW, et al:** Ionized hypocalcemia in critically ill patients with sepsis. Can J Surg 21(5):429–33, Sep 78

BACTERIAL INFECTIONS, blood/ *BACTERIAL INFECTIONS, complications/ BACTERIAL INFECTIONS, physiopathology/ CALCIUM, blood/ CATIONS, DIVALENT/ HUMAN/ HYPOCALCEMIA, blood/ *HYPOCALCEMIA, etiology/ HYPOCALCEMIA, physiopathology/ MAGNESIUM, blood/ PARATHYROID HORMONE, blood/ PHOSPHATES, blood/ SERUM ALBUMIN, analysis

3951. **Taylor CR, Kurman RJ, Warner NE:** The potential value of immunohistologic techniques in the classification of ovarian and testicular tumors. Hum Pathol 9(4):417–27, Jul 78 (51 ref.)

ALPHA FETOPROTEINS, analysis/ ESTROGENS, analysis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNOENZYME TECHNICS/ MALE/ OVARIAN NEOPLASMS, analysis/ *OVARIAN NEOPLASMS, classification/ OVARIAN NEOPLASMS, immunology/ OVARIAN NEOPLASMS, pathology/ PROGESTERONE, analysis/ REVIEW/ STAINS AND STAINING/ TESTICULAR NEOPLASMS, analysis/ *TESTICULAR NEOPLASMS, classification/ TESTICULAR NEOPLASMS, immunology/ TESTICULAR NEOPLASMS, pathology/ TESTOSTERONE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3952. **Taylor CR:** Immunohistological approach to tumor diagnosis. Oncology 35(5):187–97, 1978

BRAIN NEOPLASMS, diagnosis/ FEMALE/ HODGKIN'S DISEASE, diagnosis/ HUMAN/ IMMUNOENZYME TECHNICS/

IMMUNOGLOBULINS/ *LYMPHOMA, diagnosis/ LYMPHOMA, immunology/ MALE/ MULTIPLE MYELOMA, diagnosis/ OVARIAN NEOPLASMS, diagnosis/ SARCOMA, RETICULUM CELL, diagnosis/ TESTICULAR NEOPLASMS, diagnosis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3953. **Taylor DA, Palmer FJ, Sawyers TM:** Neck radiation and hyperparathyroidism [letter] Ann Intern Med 89(6):1012–3, Dec 78
ADULT/ AGED/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, etiology/ MALE/ MIDDLE AGE/ *NECK, radiation effects/ *RADIOTHERAPY, adverse effects

3954. **Taylor FR, Parks LW:** Metabolic interconversion of free sterols and steryl esters in Saccharomyces cerevisiae. J Bacteriol 136(2):531–7, Nov 78
AEROBIOSIS/ ANAEROBIOSIS/ AZACOSTEROL, pharmacodynamics/ ERGOSTEROL, metabolism/ ESTERS/ SACCHAROMYCES CEREVISIAE, growth & development/ *SACCHAROMYCES CEREVISIAE, metabolism/ *STEROLS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3955. **Taylor MM, Moore TM, Harvey JP Jr:** Pycnodysostosis. A case report. J Bone Joint Surg [Am] 60(8):1128–30, Dec 78
CASE REPORT/ CHILD/ *DWARFISM/ DWARFISM, radiography/ *FEMORAL FRACTURES/ FEMORAL FRACTURES, radiography/ *FINGERS, abnormalities/ *FRACTURES/ FRACTURES, radiography/ *FRACTURES, CLOSED/ FRACTURES, CLOSED, radiography/ HUMAN/ MALE/ MUCOPOLYSACCHARIDOSIS 6, complications/ *OSTEOPETROSIS/ OSTEOPETROSIS, radiography/ SYNDROME

3956. **Taylor TA, Scott DG, Anderson CK, et al:** Immunological studies of testicular tissue in oligozoospermic and azoospermic patients. Br J Urol 50(6):419–22, Oct 78
ANTIBODIES, analysis/ COMPLEMENT, analysis/ HUMAN/ IMMUNOGLOBULINS, analysis/ MALE/ *OLIGOSPERMIA, immunology/ SPERMATOGENESIS/ SPERMATOZOA, immunology/ *TESTIS, immunology

3957. **Tcholakian RK, Keating RJ:** In vivo patterns of circulating steroids in adult male rats. IV. Evidence for rapid oscillations in testosterone in normal and totally parenterally nourished animals. Steroids 32(2):269–78, Sep 78
ANIMAL/ CATHETERIZATION/ MALE/ *PARENTERAL FEEDING/ *PARENTERAL HYPERALIMENTATION/ *RATS, blood/ *TESTOSTERONE, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3958. **Tcholakian RK, Chowdhury M, Chowdhury AK:** Recovery of testicular and pituitary functions in adult male rats after cessation of short and long term estradiol treatment. Biol Reprod 19(2):431–8, Sep 78
ANIMAL/ ESTRADIOL, administration & dosage/ *ESTRADIOL, pharmacodynamics/ FSH, metabolism/ *GONADOTROPINS, PITUITARY, metabolism/ LEYDIG CELLS, drug effects/ LH, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ *PITUITARY GLAND, drug effects/ RATS/ *SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ *TESTOSTERONE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3959. **Tcholakian RK, de la Cruz A, Chowdhury AK, et al:** Effects of an LH-RH analogue in male rats pretreated with oestradiol benzoate. J Reprod Fertil 54(2):441–5, Nov 78
ANIMAL/ BODY WEIGHT, drug effects/ *ESTRADIOL, pharmacodynamics/ FSH, blood/ LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *TESTIS, drug effects/ TESTIS, metabolism/ TESTIS, physiology/ TESTOSTERONE, blood/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3960. **Tcholakian RK, de la Cruz A, Chowdhury M, et al:** Unusual anti-reproductive properties of the analog [d-Leu6,des-Gly-NH2(10)]-luteinizing hormone-releasing hormone ethylamide in male rats. Fertil Steril 30(5):600–3, Nov 78
ANIMAL/ BODY WEIGHT, drug effects/ DEPRESSION, CHEMICAL/ FSH, blood/ GENITALIA, MALE, pathology/ LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ *REPRODUCTION, drug effects/ TESTIS, drug effects/ TESTIS, metabolism/ TESTIS, pathology/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3961. **Tea NT, Castanier M, Roger M, et al:** Simultaneous radioimmunoassay of plasma progesterone and 17-hydroxyprogesterone normal values in children, in men and in women throughout the menstrual cycle and in early pregnancy. J Steroid Biochem 6(11–12):1509–16, Nov–Dec 75
ADULT/ AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ *HYDROXYPROGESTERONES, blood/ INFANT/ INFANT, NEWBORN/ MALE/ *MENSTRUATION/ MENSTRUATION, FOLLICULAR PHASE/ MENSTRUATION, LUTEAL PHASE/ PREGNANCY/ *PROGESTERONE, blood/ RADIOIMMUNOASSAY/ SEX FACTORS

3962. **Teague LG, Bradley EL:** The existence of a puberty accelerating pheromone in the urine of the male prairie deermouse (Peromyscus maniculatus bairdii). Biol Reprod 19(2):314–7, Sep 78
ANIMAL/ BIOLOGICAL ASSAY/ BODY WEIGHT, drug effects/ FALLOPIAN TUBES, drug effects/ FEMALE/ MALE/ ORGAN WEIGHT, drug effects/ OVARY, drug effects/ *PEROMYSCUS, urine/ PHEROMONES, pharmacodynamics/ *PHEROMONES, urine/ *SEX MATURATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, drug effects

3963. **Teicher BA, Koizumi N, Koreeda M, et al:** Biosynthesis of pregnenolone from cholesterol by mitochondrial enzymes of bovine adrenal cortex. The question of the participation of the 20(22)-olefins and 20, 22-epoxides of cholesterol. Eur J Biochem 91(1):11–9, 2 Nov 78
*ADRENAL CORTEX, enzymology/ ANIMAL/ CATTLE/ CHOLESTEROL DESMOLASE, metabolism/ CHOLESTEROL, analogs & derivatives/ *CHOLESTEROL, metabolism/ CYTOCHROME P-450, metabolism/ *EPOXY COMPOUNDS, metabolism/ *ETHERS, CYCLIC, metabolism/ *MITOCHONDRIA, enzymology/ *PREGNENOLONE, biosynthesis/ RADIOIMMUNOASSAY/ STEROIDS, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3964. **Teichmann RK, Schafmayer A, Hill FL, et al:** Effects of hypophysectomy and hypophysectomy plus growth hormone on secretin release and on concentrations of secretin in the duodenal mucosa. Surg Forum 28:375–6, 1977
ANIMAL/ *DUODENUM, metabolism/ *HYPOPHYSECTOMY/ *INTESTINAL MUCOSA, metabolism/ RATS/ SECRETIN, blood/ *SECRETIN, metabolism/ *SOMATOTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3965. **Teller WM:** Therapie der Riesenzellhepatitis. Dtsch Med Wochenschr 103(45):1774, 10 Nov 78 **(Ger)**
AZATHIOPRINE, therapeutic use/ CHILD/ CORTICOTROPIN, therapeutic use/ CORTISONE, therapeutic use/ *HEPATITIS, drug therapy/ HUMAN/ PREDNISOLONE, therapeutic use

3966. **Temirova KV, Nosova VF, Kel'manson AIu:** Sostoianie nekotorykh komponentov kallikrein-kininovoĭ sistemy u bol'nykh revmatizmom i ikh dinamika pod vliianiem lecheniia. Vopr Revm (4):43–6, Oct–Dec 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ HUMAN/ *KALLIKREIN, blood/ KININS, antagonists & inhibitors/ *KININS, blood/ MIDDLE AGE/ RECURRENCE/ *RHEUMATIC HEART DISEASE, blood/ RHEUMATIC HEART DISEASE, drug therapy

3967. **Tenenhouse HS, Scriver CR, McInnes RR, et al:** Renal handling of phosphate in vivo and in vitro by the X-linked hypophosphatemic male mouse: evidence for a defect in the

brush border membrane. Kidney Int 14(3):236–44, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ANIMAL/ *CELL MEMBRANE, metabolism/ DIET/ HYPOPHOSPHATEMIA, FAMILIAL, etiology/ *HYPOPHOSPHATEMIA, FAMILIAL, metabolism/ IN VITRO/ KIDNEY CORTEX, metabolism/ KIDNEY CORTEX, ultrastructure/ KIDNEY MEDULLA, metabolism/ *KIDNEY, metabolism/ MALE/ MICE/ *MICROVILLI, metabolism/ PHOSPHATES, blood/ *PHOSPHATES, metabolism/ PHOSPHATES, urine/ TIME FACTORS

3968. **Teng CS, Teng CT:** Studies on sex-organ development. Oestrogenic effect on ornithine decarboxylase activity in the differentiating Müllerian ducts and other organs of the chick embryo. Biochem J 176(1):143–9, 15 Oct 78
ANIMAL/ BRAIN, drug effects/ BRAIN, embryology/ BRAIN, enzymology/ *CARBOXY-LYASES, metabolism/ CELL DIFFERENTIATION/ CHICK EMBRYO/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GENITALIA, FEMALE, embryology/ LIVER, drug effects/ LIVER, embryology/ LIVER, enzymology/ MULLERIAN DUCTS, cytology/ MULLERIAN DUCTS, drug effects/ *MULLERIAN DUCTS, enzymology/ *ORNITHINE DECARBOXYLASE, metabolism/ POLYAMINES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3969. **Tenniswood MP, Abrahams PP, Bird CE, et al:** Effects of 5alpha-androstane-3beta,17beta-diol and 5beta-dihydrotestosterone on acid phosphatase activity in the prostate gland of the castrated adult rat. J Endocrinol 79(1):9–16, Oct 78
ACID PHOSPHATASE, antagonists & inhibitors/ *ACID PHOSPHATASE, metabolism/ *ANDROSTANEDIOL, pharmacodynamics/ *ANDROSTANES, pharmacodynamics/ ANIMAL/ CASTRATION/ MALE/ PROSTATE, drug effects/ *PROSTATE, enzymology/ RATS/ *STANOLONE, pharmacodynamics/ TARTRATES, pharmacodynamics

3970. **Tennstedt A:** Beitrag zum Louis-Bar-Syndrom (Ataxia telangiectasia). Zentralbl Allg Pathol 122(5):485–95, 1978 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ *ATAXIA TELANGIECTASIA, pathology/ AUTOPSY/ CASE REPORT/ CEREBELLAR CORTEX, pathology/ DURA MATER, pathology/ ENGLISH ABSTRACT/ HUMAN/ LUNG, pathology/ MALE/ MENINGES, pathology/ PINEAL BODY, pathology/ SPINAL CORD, pathology/ SPLEEN, pathology

3971. **Tepperman HM, DeWitt J, Tepperman J:** Hormone effects on glycogenolysis, gluconeogenesis, and cyclic AMP production by liver cells from rats fed diets high in glucose or lard. J Nutr 108(12):1924–31, Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ DIETARY CARBOHYDRATES/ *DIETARY FATS/ *GLUCAGON, pharmacodynamics/ GLUCONEOGENESIS, drug effects/ *GLUCOSE/ GLUCOSE, metabolism/ *INSULIN, pharmacodynamics/ *LIVER GLYCOGEN, metabolism/ LIVER, cytology/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3972. **ter Haar MB, Wilson CA:** Evidence for pleiomorphism of luteinizing hormone in peripubertal female rats. J Endocrinol 79(1):133–4, Oct 78
ANIMAL/ BODY WEIGHT/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ LH, blood/ *LH, physiology/ RADIOIMMUNOASSAY, methods/ RATS/ *SEX MATURATION

3973. **Terent'eva LS, Panfilova GV, Buĭko AS, et al:** Znachenie sovremennykh metodov issledovaniia v kompleksnoĭ diagnostike novoobrazovaniĭ orbity. Oftalmol Zh (6):405–10, 1978 (55 ref.) (Eng. Abstr.) **(Rus)**
CEREBELLAR DISEASES, diagnosis/ CHOLESTEATOMA, radiography/ DIAGNOSIS, DIFFERENTIAL/ ENCEPHALOCELE, diagnosis/ ENGLISH ABSTRACT/ EXOPHTHALMOS, diagnosis/ HAND-SCHUELLER-CHRISTIAN SYNDROME, diagnosis/ HUMAN/ METHODS/ ORBIT, radiography/ ORBIT, radionuclide imaging/ *ORBITAL NEOPLASMS, diagnosis/ ORBITAL NEOPLASMS, radiography/ ORBITAL NEOPLASMS, radionuclide imaging/ PLETHYSMOGRAPHY, IMPEDANCE/ REVIEW/ SKIN NEOPLASMS, diagnosis/ THERMOGRAPHY, methods/ VISION DISORDERS, diagnosis

3974. **Terner C:** Progesterone and progestins in the male reproductive system. Ann NY Acad Sci 286:313–20, 11 Mar 77
ANDROGENS, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ MALE/ *PROGESTATIONAL HORMONES, pharmacodynamics/ PROGESTERONE, metabolism/ *PROGESTERONE, pharmacodynamics/ RATS/ *SPERMATIDS, drug effects/ SPERMATIDS, metabolism/ *SPERMATOCYTES, drug effects/ SPERMATOCYTES, metabolism/ *SPERMATOGENESIS, drug effects/ *SPERMATOZOA, drug effects/ STANOLONE, metabolism/ TESTOSTERONE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3975. **Terner UK, Wiebe LI, Noujaim AA, et al:** The effects of acute and chronic uremia in rats on their hepatic microsomal enzyme activity. Clin Biochem 11(4):156–8, Aug 78
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, blood/ ALCOHOL OXIDOREDUCTASES, metabolism/ AMINOPYRINE N-DEMETHYLASE, metabolism/ ANIMAL/ BLOOD UREA NITROGEN/ CHRONIC DISEASE/ HEXOBARBITAL/ MALE/ *MICROSOMES, LIVER, enzymology/ NITROBENZOATES/ OXIDOREDUCTASES, metabolism/ PROTEINS, metabolism/ RATS/ *UREMIA, enzymology

3976. **Terranova PF, Connor JS, Greenwald GS:** In vitro steroidogenesis in corpora lutea and nonluteal ovarian tissues of the cyclic hamster. Biol Reprod 19(2):249–55, Sep 78
*ANDROGENS, biosynthesis/ ANDROSTENEDIONE, biosynthesis/ ANIMAL/ *CORPUS LUTEUM, metabolism/ ESTRADIOL, biosynthesis/ *ESTROGENS, biosynthesis/ ESTRONE, biosynthesis/ *ESTRUS/ HAMSTERS/ KINETICS/ *OVARY, metabolism/ *PROGESTERONE, biosynthesis/ TESTOSTERONE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3977. **Terry LC, Saunders A, Audet J, et al:** Physiologic secretion of growth hormone and prolactin in male and female rats. Clin Endocrinol (Oxf) 6 Suppl:19S–28S, 1977
ANIMAL/ CIRCADIAN RHYTHM/ ESTRUS/ FEMALE/ LABOR/ LACTATION/ MALE/ PERIODICITY/ PREGNANCY/ *PROLACTIN, secretion/ RATS/ *SOMATOTROPIN, secretion/ *STRESS, physiopathology/ TIME FACTORS

3978. **Thakare UR, Ganatra RD, Shah DH:** Thyroid hormones & lipid phosphorous in mice. Indian J Biochem Biophys 15(2):137–8, Apr 78
ANIMAL/ MICE/ *PHOSPHOLIPIDS, metabolism/ *THYROXINE, pharmacodynamics/ TISSUE DISTRIBUTION/ *TRIIODOTHYRONINE, pharmacodynamics

3979. **Thaler H, Szepesi T, Szepesi G:** Behandlungsergebnisse bei chronischer Hepatitis. Dtsch Med Wochenschr 103(45):1775–85, 10 Nov 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGED/ ASPARTATE AMINOTRANSFERASE, blood/ AZATHIOPRINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HEPATITIS, complications/ *HEPATITIS, drug therapy/ HEPATITIS, enzymology/ HUMAN/ INFANT/ LIVER CIRRHOSIS, complications/ MALE/ MIDDLE AGE/ PENICILLAMINE, therapeutic use/ PREDNISOLONE, therapeutic use/ REMISSION

3980. **Thalmann I, Thalmann R:** Reevaluation of adenylate cyclase in Reissner's membrane. Arch Otorhinolaryngol 221(4):311–2, 30 Nov 78
*ADENYL CYCLASE, metabolism/ *COCHLEA, enzymology/ *COCHLEAR DUCT, enzymology/ HUMAN

3981. **Thalmann K, Böhm R, Woraschk HJ:** Schwangerschaftsübertragung nach hormoneller Kontrazeption. Dtsch Gesundheitsw 33(41):1942–4, 1978 (Eng. Abstr.) **(Ger)**
*CONTRACEPTIVES, ORAL, pharmacodynamics/ *CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ ENGLISH ABSTRACT/

FEMALE/ HUMAN/ PREGNANCY/ *PREGNANCY, PROLONGED, drug effects

3982. **Thananopavarn C, Sambhi MP, Golub MS, et al:** Renin stimulation during clonidine therapy in 'low renin' essential hypertension. Am J Med Sci 276(1):27–32, Jul–Aug 78
ADULT/ AGED/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ *CLONIDINE, pharmacodynamics/ CLONIDINE, therapeutic use/ CREATININE, metabolism/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ POTASSIUM, urine/ *RENIN, blood/ RENIN, physiology/ SODIUM, urine/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3983. **Thaxton P:** Influence of temperature on the immune response of birds. Poult Sci 57(5):1430–40, Sep 78 (73 ref.)
ANIMAL/ ANTIBODY FORMATION, drug effects/ *CHICKENS, immunology/ CHICKENS, physiology/ COLD/ CORTICOSTERONE, pharmacodynamics/ CORTICOTROPIN, pharmacodynamics/ ENVIRONMENTAL EXPOSURE/ ERYTHROCYTES, immunology/ IGG, analysis/ IGM, analysis/ *IMMUNITY/ IMMUNIZATION, veterinary/ IMMUNOSUPPRESSION/ REVIEW/ SERUM ALBUMIN, BOVINE, immunology/ *TEMPERATURE

3984. **Thenen SW, Carr RH:** Effects of thyroxine, epinephrine and cold exposure on lipolysis in genetically obese (ob/ob) mice. Proc Soc Exp Biol Med 159(1):116–20, Oct 78
*ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ *COLD/ *EPINEPHRINE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ *FATTY ACIDS, NONESTERIFIED, metabolism/ IN VITRO/ INSULIN, blood/ MALE/ MICE/ MICE, INBRED C57BL/ *MICE, OBESE, metabolism/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3985. **Thibier M, Saumande J:** Oestradiol-17beta, progesterone and 17alpha-hydroxyprogesterone concentrations in jugular venous plasma in cows prior to and during oestrus. J Steroid Biochem 6(10):1433–7, Oct 75
ANIMAL/ CASTRATION/ CATTLE/ *ESTRADIOL, blood/ *ESTRUS/ FEMALE/ *HYDROXYPROGESTERONES, blood/ LACTATION/ MALE/ PREGNANCY/ *PROGESTERONE, blood

3986. **Thoenen H, Otten U:** Molecular events in trans-synaptic regulation of the synthesis of macromolecules. Essays Neurochem Neuropharmacol 1:73–101, 1977 (61 ref.)
ACETYLCHOLINE, physiology/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ AUTONOMIC NERVOUS SYSTEM, physiology/ CHOLINE ACETYLTRANSFERASE, physiology/ DOPAMINE BETA-HYDROXYLASE, metabolism/ ENZYME INDUCTION/ GLUCOCORTICOIDS, physiology/ HUMAN/ *MACROMOLECULAR SYSTEMS/ MOTOR NEURONS, physiology/ NEURAL TRANSMISSION/ NEUROMUSCULAR JUNCTION, physiology/ *NEURONS, metabolism/ PERIPHERAL NERVES, growth & development/ PERIPHERAL NERVES, physiology/ REVIEW/ *SYNAPSES, physiology/ TYROSINE HYDROXYLASE, metabolism

3987. **Thomas F, Thomas J, Mendez G, et al:** Individualization of recipient immunosuppression by use of in vitro monitoring parameters. Transplant Proc 10(3):621–5, Sep 78
ANTILYMPHOCYTE SERUM, therapeutic use/ AZATHIOPRINE, therapeutic use/ *GRAFT REJECTION/ *HEART, transplantation/ HUMAN/ *IMMUNOSUPPRESSION/ *KIDNEY, transplantation/ MONITORING, PHYSIOLOGIC/ PREDNISONE, therapeutic use/ T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3988. **Thomas GW, Ledingham JG, Beilin LJ, et al:** Reduced renin activity in essential hypertension: a reappraisal. Kidney Int 13(6):513–7, Jun 78
ADULT/ AGE FACTORS/ AGED/ BLOOD PRESSURE/ EVALUATION STUDIES/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ *HYPERTENSION, blood/ MALE/ MIDDLE AGE/ POSTURE/ *RENIN, blood/ STIMULATION, CHEMICAL

3989. **Thomas J, Mills KB, Grisham DW:** Primary myxedema heart disease. J Natl Med Assoc 70(11):833–6, Nov 78
AGED/ CASE REPORT/ ELECTROCARDIOGRAPHY/ *HEART DISEASES, diagnosis/ HEART DISEASES, drug therapy/ HUMAN/ MALE/ *MYXEDEMA, diagnosis/ MYXEDEMA, drug therapy/ TRIIODOTHYRONINE, therapeutic use

3990. **Thomas WA, Janakidevi K, Florentin RA, et al:** The reversibility of the human atherosclerotic plaque. pp. 73–80. In: Hauss WH, et al., ed. International symposium: State of prevention and therapy in human arteriosclerosis and in animal models. Opladen, Westdeutscher Verlag, 1978. WG 550 16222i 1977.
AORTA, pathology/ *ARTERIOSCLEROSIS, enzymology/ ATHEROSCLEROSIS, diet therapy/ *ATHEROSCLEROSIS, enzymology/ ATHEROSCLEROSIS, pathology/ CALCIUM, metabolism/ CORONARY VESSELS, pathology/ FEMALE/ GLUCOSEPHOSPHATE DEHYDROGENASE, genetics/ HUMAN/ MALE/ MONOGRAPH/ MOSAICISM/ NEOPLASMS, enzymology/ NEOPLASMS, pathology/ REMISSION/ STARVATION/ TUBERCULOSIS, PULMONARY, enzymology/ TUBERCULOSIS, PULMONARY, pathology

3991. **Thompson DL, Pickett BW, Nett TM:** Effect of season and artificial photoperiod on levels of estradiol-17beta and estrone in blood serum of stallions. J Anim Sci 47(1):184–7, Jul 78
ANIMAL/ COMPARATIVE STUDY/ *ESTRADIOL, blood/ *ESTRONE, blood/ *HORSES, blood/ *LIGHT/ LH, blood/ MALE/ SEASONS/ TESTOSTERONE, blood

3992. **Thompson IL, Griffin TW, Parker RG, et al:** Craniopharyngioma: the role of radiation therapy. Int J Radiat Oncol Biol Phys 4(11–12):1059–63, Nov–Dec 78
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ *CRANIOPHARYNGIOMA, radiotherapy/ CRANIOPHARYNGIOMA, therapy/ FEMALE/ HUMAN/ MALE/ PITUITARY HORMONES, therapeutic use/ *PITUITARY NEOPLASMS, radiotherapy/ PITUITARY NEOPLASMS, therapy/ RADIOTHERAPY, HIGH ENERGY/ RECURRENCE/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3993. **Thompson P Jr, Haynes JB:** T4 toxicosis. South Med J 71(12):1578–9, Dec 78
ADULT/ CASE REPORT/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, metabolism/ MALE/ THYROID HORMONES, metabolism/ *THYROXINE, blood

3994. **Thomsen E, Thomsen M:** Production of specific-protein secretion granules by fat body cells of the blowfly, Calliphora erythrocephala. Substitution of an ovarian key factor by beta-ecdysone. Cell Tissue Res 193(1):25–33, 6 Oct 78
*ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, ultrastructure/ ANIMAL/ CASTRATION/ *CYTOPLASMIC GRANULES, drug effects/ CYTOPLASMIC GRANULES, metabolism/ *ECDYSONE, pharmacodynamics/ FEMALE/ FLIES, anatomy & histology/ *FLIES, drug effects/ OVARY, physiology/ VITELLOGENIN, biosynthesis

3995. **Thomson AM:** Clinical and environmental determinants of fetal growth. Postgrad Med J 54 Suppl 1:43–50, 1978
ALTITUDE/ BIRTH WEIGHT/ FEMALE/ FETAL GROWTH RETARDATION, etiology/ *FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ NUTRITION/ PARITY/ PLACENTA DISORDERS, complications/ PREGNANCY/ RACIAL STOCKS/ SEX FACTORS/ SMOKING, complications

3996. **Thorens S, Haeusler G:** Effects of adenosine 3' : 5'-monophosphate and guanosine 3' : 5'-monophosphate on calcium uptake and phosphorylation in membrane fractions of vascular smooth muscle. Biochim Biophys Acta 512(2):415–28, 22 Sep 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,

pharmacodynamics/ ANIMAL/ AORTA, drug effects/ *AORTA, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ *CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, drug effects/ *CELL MEMBRANE, metabolism/ FEMALE/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ KINETICS/ MALE/ MANGANESE, pharmacodynamics/ PHOSPHORYLATION/ *PROTEIN KINASE, metabolism/ RABBITS/ SUBCELLULAR FRACTIONS, metabolism

3997. **Thoresen TS:** Radioimmmunoassay for melatonin in human serum. Scand J Clin Lab Invest 38(7):687–92, Nov 78
ANTIGENS/ CHROMATOGRAPHY, AFFINITY/ CROSS REACTIONS/ HUMAN/ IMMUNE SERUMS/ *MELATONIN, blood/ *RADIOIMMUNOASSAY, methods

3998. **Thornfeldt RE, Franklin RW, Pickering NA, et al:** The effect of glucocorticoids on the maturation of premature lung membranes: Preventing the respiratory distress syndrome by glycocorticoids. Trans Pac Coast Obstet Gynecol Soc 45:25–30, 1978
DELIVERY/ FEMALE/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, pharmacodynamics/ *GLUCOCORTICOIDS, therapeutic use/ HUMAN/ INFANT, NEWBORN/ *LUNG, drug effects/ MEMBRANES, drug effects/ PREGNANCY/ *RESPIRATORY DISTRESS SYNDROME, prevention & control/ TIME FACTORS

3999. **Thornton HL:** Adverse reactions to intravenous induction agents [letter] Br Med J 2(6141):897, 23 Sep 78
*ALTHESIN, adverse effects/ ANAPHYLAXIS, chemically induced/ *ANESTHESIA, INTRAVENOUS, adverse effects/ *CASTOR OIL, adverse effects/ HUMAN/ *PREGNANEDIONES, adverse effects/ *SURFACE-ACTIVE AGENTS, adverse effects

4000. **Thurmond AS, Brasch RC:** Radiologic evaluation of the thymus in juvenile myasthenia gravis. Pediatr Radiol 7(3):136–40, 26 Sep 78
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ HUMAN/ HYPERPLASIA/ MALE/ MEDIASTINUM, radiography/ MYASTHENIA GRAVIS, pathology/ *MYASTHENIA GRAVIS, radiography/ MYASTHENIA GRAVIS, surgery/ THYMOMA, diagnosis/ THYMUS GLAND, pathology/ *THYMUS GLAND, radiography/ THYMUS NEOPLASMS, diagnosis/ TOMOGRAPHY, RADIOGRAPHIC

4001. **Thurston H, Bing RF, Pohl JE, et al:** Renin subgroups in essential hypertension: an analysis and critique. Q J Med 47(187):325–37, Jul 78
ANGIOTENSIN II, blood/ BENDROFLUMETHIAZIDE, therapeutic use/ HUMAN/ *HYPERTENSION, blood/ HYPERTENSION, diagnosis/ HYPERTENSION, drug therapy/ MIDDLE AGE/ *RENIN, blood/ SODIUM, urine

4002. **Tidd MJ, Horth CE, Ramsay LE, et al:** Endocrine effects of spironolactone in man. Clin Endocrinol (Oxf) 9(5):389–99, Nov 78
ADOLESCENCE/ ADULT/ ANDROSTERONE, urine/ CLINICAL RESEARCH/ DEHYDROEPIANDROSTERONE, urine/ DOUBLE-BLIND METHOD/ ESTRADIOL, blood/ ESTROGENS, urine/ ETIOCHOLANOLONE, urine/ HUMAN/ *LH, blood/ MALE/ *SPIRONOLACTONE, pharmacodynamics/ *TESTOSTERONE, blood/ *17-KETOSTEROIDS, urine

4003. **Tikal K:** Spontaneous motor activity and catecholamines in suprarenals of rats after mexamine [proceedings] Act Nerv Super (Praha) 20(2):159–60, 1978
*ADRENAL GLANDS, metabolism/ ANIMAL/ *EPINEPHRINE, metabolism/ METHYL ETHERS, pharmacodynamics/ *MOTOR ACTIVITY, drug effects/ *NOREPINEPHRINE, metabolism/ *RADIATION-PROTECTIVE AGENTS/ RATS/ *TRYPTAMINES, pharmacodynamics

4004. **Tiktinskiĭ OL:** Pervichnyĭ giperparatireoidizm i nefrolitiaz. Sov Med (10):99–104, Oct 78 (32 ref.) (Eng. Abstr.) **(Rus)**
ABSORPTION/ ANIMAL/ AUTONOMIC NERVE BLOCK/ CALCIUM, diagnostic use/ ENGLISH ABSTRACT/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ *HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, physiopathology/ KIDNEY CALCULI, diagnosis/ *KIDNEY CALCULI, etiology/ KIDNEY CALCULI, physiopathology/ KIDNEY FUNCTION TESTS/ PARATHYROID GLANDS, physiopathology/ PARATHYROID HORMONE, diagnostic use/ PHOSPHORUS, diagnostic use/ PROCAINE, diagnostic use/ REVIEW

4005. **Tiktinsky OL, Nekachalov VV:** Primary hyperparathyroidism and stone formation in medullary sponge kidneys. Eur Urol 4(5):330–3, 1978
ADULT/ FEMALE/ HUMAN/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ *KIDNEY CALCULI, etiology/ KIDNEY CALCULI, radiography/ *KIDNEY, SPONGE, complications/ KIDNEY, SPONGE, diagnosis/ MALE/ MIDDLE AGE/ UROGRAPHY

4006. **Timiras PS:** Biological perspectives on aging. Am Sci 66(5):605–13, Sep–Oct 78
*AGING/ BRAIN, physiology/ HORMONES, physiology/ HUMAN

4007. **Timoshenko LV, Travianko TD:** Rol' hormoniv feto-platsentarnoho kompleksu v rozvytku vahitnosti i rodiv. Pediatr Akush Ginekol (5):33–8, Sep–Oct 78 **(Ukr)**
ADRENAL CORTEX HORMONES, physiology/ BIRTH WEIGHT, drug effects/ ESTROGENS, biosynthesis/ ESTROGENS, secretion/ FEMALE/ *FETUS, physiology/ GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ INFANT, NEWBORN/ LABOR COMPLICATIONS, physiopathology/ *LABOR/ *PLACENTAL HORMONES, physiology/ PLACENTAL LACTOGEN, physiology/ PREGNANCY TOXEMIAS, physiopathology/ *PREGNANCY/ PREGNANEDIOL, physiology/ PROGESTERONE, physiology/ TIME FACTORS

4008. **Titov VN, Pitsin DG, Brener ED, et al:** Kortizol, adrenokortikotropnyĭ gormon i biosintez apolipoproteinov v gepatotsitakh krys. Biull Eksp Biol Med 86(11):538–40, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ *APOLIPOPROTEINS, biosynthesis/ COMPARATIVE STUDY/ *CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ *HYDROCORTISONE, pharmacodynamics/ LIPOPROTEINS, HDL, biosynthesis/ LIPOPROTEINS, LDL, biosynthesis/ LIPOPROTEINS, VLDL, biosynthesis/ *LIVER, drug effects/ LIVER, metabolism/ MALE/ RATS

4009. **Titova GV, Kliueva NN:** Rol' guanidinovykh grupp argininovykh ostatkov glutamatdegidrogenazy v sviazyvanii polovykh gormonov. Biokhimiia 43(9):1670–3, Sep 78 (Eng. Abstr.) **(Rus)**
*ARGININE, metabolism/ DIETHYLSTILBESTROL, metabolism/ ENGLISH ABSTRACT/ *GLUTAMATE DEHYDROGENASE, metabolism/ GUANIDINES, metabolism/ PROGESTERONE, metabolism/ *SEX HORMONES, metabolism

4010. **Toczołowski J:** Zastosowanie kortykosterydów po krioekstrakcji i po mikrokrioekstrakcji zaćmy. Klin Oczna 48(11):593–4, Nov 78 (Eng. Abstr.) **(Pol)**
AGED/ *CATARACT EXTRACTION/ ENGLISH ABSTRACT/ HUMAN/ MICROSURGERY/ MIDDLE AGE/ POSTOPERATIVE CARE/ *PREDNISOLONE, administration & dosage

4011. **Toffano G, Leon A, Mazzari S, et al:** Modification of noradrenergic hypothalamic system in rat injected with phosphatidylserine liposomes. Life Sci 23(10):1093–101, 11 Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CATTLE/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ *HYPOTHALAMUS, drug effects/ *LIPOSOMES, pharmacodynamics/ NOREPINEPHRINE, metabolism/ *NOREPINEPHRINE, physiology/ *PHOSPHATIDYLSERINES, pharmacodynamics/ RATS/ TIME FACTORS/ TYROSINE HYDROXYLASE, metabolism

4012. **Toft AD, Irvine WJ, Seth J, et al:** How often should patients be reviewed after treatment with iodine-131 for thyrotoxicosis? Br Med J 2(6145):1115-7, 21 Oct 78
AGED/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ *HYPERTHYROIDISM, drug therapy/ HYPOTHYROIDISM, diagnosis/ *IODINE RADIOISOTOPES, therapeutic use/ MALE/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4013. **Toft AD:** Predicting hypothyroidism. Scott Med J 23(4):263-5, Oct 78
ADULT/ HUMAN/ HYPERTHYROIDISM, surgery/ HYPERTHYROIDISM, therapy/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, etiology/ *HYPOTHYROIDISM, prevention & control/ IODINE RADIOISOTOPES/ PROGNOSIS/ RISK/ THYROID ANTAGONISTS, therapeutic use/ THYROTROPIN, blood/ THYROXINE, blood

4014. **Toft D, Moudgil V, Lohmar P, et al:** Binding of ATP to progesterone receptors: properties and functional significance of this interaction. Ann NY Acad Sci 286:29-42, 11 Mar 77
ADENINE NUCLEOTIDES, pharmacodynamics/ *ADENOSINE TRIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CELL NUCLEUS, metabolism/ CHICKENS/ CYTOSOL, metabolism/ FEMALE/ IN VITRO/ OVIDUCTS, metabolism/ PHENANTHROLINES, pharmacodynamics/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ RIFAMYCINS, pharmacodynamics/ SEPHAROSE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4015. **Toivonen J, Lähteenmäki P, Luukkainen T:** Pituitary and gonadal function during the use of norgestrelestradiol vaginal rings. Contraception 18(3):201-11, Sep 78
ADULT/ *CONTRACEPTIVE DEVICES, FEMALE/ *ESTRADIOL, blood/ FEMALE/ FSH, blood/ *GONADOTROPINS, blood/ HUMAN/ LH, blood/ MENSTRUATION/ *NORGESTREL, blood/ *PROGESTERONE, blood/ TIME FACTORS

4016. **Tokuhiro E, Suwa S:** [Case of congenital adrenal lipoid hyperplasia (Prader's syndrome)] Horumon To Rinsho 26(11):1197-202, Nov 78 **(Jpn)**
*ADRENAL GLAND HYPERFUNCTION/ ADRENAL GLAND HYPERFUNCTION, physiopathology/ CASE REPORT/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE

4017. **Tolentino P:** Liver failure. Paediatrician 7(4-5):166-75, 1978
ADRENAL CORTEX HORMONES, administration & dosage/ ARGININE, administration & dosage/ CHILD/ DIETARY PROTEINS, administration & dosage/ EMERGENCIES/ EXCHANGE TRANSFUSION/ EXTRACORPOREAL CIRCULATION/ GASTROINTESTINAL SYSTEM, microbiology/ HEMODIALYSIS/ *HEPATIC COMA, therapy/ HEPATITIS, TOXIC, complications/ HEPATITIS, VIRAL, HUMAN, complications/ HUMAN/ LIVER CIRCULATION/ NEOMYCIN, administration & dosage/ PERITONEAL DIALYSIS/ PLASMAPHERESIS

4018. **Tolis G:** Galactorrhoea-amenorrhoea and hyperprolactinaemia: pathophysiological aspects and diagnostic tests. Clin Endocrinol (Oxf) 6 Suppl:81S-89S, 1977
AMENORRHEA, blood/ AMENORRHEA, diagnosis/ *AMENORRHEA, physiopathology/ CLOMIPHENE, diagnostic use/ ESTRADIOL, diagnostic use/ FEMALE/ GALACTORRHEA, blood/ GALACTORRHEA, diagnosis/ *GALACTORRHEA, physiopathology/ HUMAN/ *LACTATION DISORDERS, physiopathology/ LH, blood/ LH, secretion/ PROLACTIN, blood/ *PROLACTIN, secretion/ SYNDROME

4019. **Tolone G, Bonasera L, Tolone C:** Influence of hydrocortisone on the modulation of the inflammatory response. Br J Exp Pathol 59(4):366-72, Aug 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ COMPOUND 48-80, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ *HISTAMINE LIBERATION, drug effects/ *HYDROCORTISONE, pharmacodynamics/ IN VITRO/ MAST CELLS, drug effects/ MAST CELLS, immunology/ MAST CELLS, metabolism/ *PROSTAGLANDINS E, pharmacodynamics/ RATS

4020. **Tominaga A, Nagato T, Kume T, et al:** Studies on the nurse cells and oogenesis in the sea urchin ovary. II. Morphology of the nurse cell (TEM and SEM observations). Med J Osaka Univ 28(3-4):183-203, Mar 78
ANIMAL/ FEMALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ *OOGENESIS/ OVARY, ultrastructure/ *SEA URCHINS, anatomy & histology

4021. **Topliss DJ, Stockigt JR:** Normal serum T3 after abdominal operation in severe hyperthyroidism [letter] N Engl J Med 300(2):92-3, 11 Jan 79
*ABDOMEN, surgery/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, diagnosis/ MIDDLE AGE/ THYROID CRISIS, blood/ *TRIIODOTHYRONINE, blood

4022. **Toppozada M, Parmar C, Fotherby K:** Effect of injectable contraceptives Depo-Provera and norethisterone oenanthate on pituitary gonadotropin response to luteinizing hormone-releasing hormone. Fertil Steril 30(5):545-8, Nov 78
ADULT/ DEPRESSION, CHEMICAL/ FEMALE/ FSH, blood/ FSH, secretion/ HUMAN/ INJECTIONS/ LH, blood/ LH, secretion/ *LH-FSH RELEASING HORMONE, pharmacodynamics/ *MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, pharmacodynamics/ *NORETHINDRONE, administration & dosage/ NORETHINDRONE, pharmacodynamics/ *PITUITARY GLAND, drug effects/ PREGNANCY

4023. **Tori JA, Hill LL:** Hypercalcemia in children with spinal cord injury. Arch Phys Med Rehabil 59(10):443-6, Oct 78
ADOLESCENCE/ BED REST, adverse effects/ BLADDER CALCULI, etiology/ CHILD/ COMPARATIVE STUDY/ CREATININE, blood/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, drug therapy/ KIDNEY, physiopathology/ MALE/ SODIUM CHLORIDE, therapeutic use/ *SPINAL CORD INJURIES, complications/ TIME FACTORS/ URINE, analysis

4024. **Torii S:** [Function of sleep (author's transl)] No To Shinkei 30(9):955-63, Sep 78 (67 ref.) **(Jpn)**
ANIMAL/ BIOGENIC AMINES, secretion/ BRAIN CHEMISTRY/ BRAIN, metabolism/ CATECHOLAMINES, physiology/ CATS/ ENERGY METABOLISM/ HUMAN/ MICE/ RATS/ REVIEW/ SLEEP STAGES, physiology/ *SLEEP, physiology/ SLEEP, REM, physiology/ SOMATOTROPIN, secretion

4025. **Tormey DC, Waalkes TP:** Clinical correlation between CEA and breast cancer. Cancer 42(3 Suppl):1507-11, Sep 78
*BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, therapy/ *CARCINOEMBRYONIC ANTIGEN/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ NEOPLASM METASTASIS/ TIME FACTORS

4026. **Toru M:** [Mechanisms of neurotransmission regulating circadian rhythms (author's transl)] Tanpakushitsu Kakusan Koso 23(11):1093-105, Oct 78 (112 ref.) **(Jpn)**
ACTION POTENTIALS/ ANIMAL/ BIRDS, physiology/ *CIRCADIAN RHYTHM/ FEMALE/ HYDROXYTRYPTOPHAN, metabolism/ *HYPOTHALAMUS, physiology/ MELATONIN, metabolism/ NEURAL TRANSMISSION/ NOREPINEPHRINE, metabolism/ *PINEAL BODY, physiology/ RATS/ REVIEW/ SLEEP, physiology/ *SUPRAOPTIC NUCLEUS, physiology/ WAKEFULNESS, physiology

4027. **Tosoni MJ:** L'adolescenza e il sesso. Minerva Med 69(46):3166-71, 30 Sep 78 **(Ita)**
*ADOLESCENCE/ EXTRAMARITAL RELATIONS/ FEMALE/ HUMAN/ MALE/ PREGNANCY IN ADOLESCENCE/ PREGNANCY/ *SEX BEHAVIOR/ SEX DIFFERENTIATION DISORDERS/ SEX EDUCATION/ SEX MATURATION

4028. **Toubeau G:** Identification immunocytochimique de neurones contenant de l'ACTH 17-39 dans le cerveau du rat. C R Acad Sci [D] (Paris) 287(5):499-502, 18 Sep 78 (Eng. Abstr.) **(Fre)**
ADRENALECTOMY/ ANIMAL/ BRAIN CHEMISTRY/ *BRAIN, cytology/ COLCHICINE, pharmacodynamics/ *CORTICOTROPIN, analysis/ CORTICOTROPIN, physiology/ DIET/ ENGLISH ABSTRACT/ FEMALE/ HYPOTHALAMUS, drug effects/ IMMUNOENZYME TECHNICS/ MALE/ NERVE FIBERS, analysis/ *NEURONS, analysis/ NEURONS, metabolism/ RATS/ WATER

4029. **Touchstone JC, Dobbins MF:** Direct determination of steroidal sulfates. J Steroid Biochem 6(10):1389-92, Oct 75
CHEMISTRY/ CHROMATOGRAPHY, GAS/ FEMALE/ FETAL BLOOD, analysis/ HORMONES, analysis/ HUMAN/ PREGNANCY/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTRUM ANALYSIS, MASS, methods/ *STEROIDS, analysis/ *SULFURIC ACID ESTERS, analysis/ *SULFURIC ACIDS, analysis

4030. **Touitou Y, Bogdan A:** Influences of op'DDD, op'DDE and solubilization procedures on the in vitro biosynthesis of 18-hydroxycorticosterone and aldosterone by sheep adrenals. Int J Biochem 9(9):691-5, 1978
ADRENAL GLANDS, drug effects/ *ADRENAL GLANDS, metabolism/ *ALDOSTERONE, biosynthesis/ ANIMAL/ COMPARATIVE STUDY/ *CORTICOSTERONE, analogs & derivatives/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *DDE, pharmacodynamics/ MALE/ *MITOTANE, pharmacodynamics/ SEX FACTORS/ SHEEP/ SOLUBILITY/ *18-HYDROXYCORTICOSTERONE, biosynthesis

4031. **Touzery C, Pelletier JL, Gailliard P, et al:** Thyroxine: valeurs normales de la naissance à 70 jours. Intérêt pour le dépistage de l'hypothyroïdie congénitale. Nouv Presse Med 7(33):2965, 30 Sep 78 **(Fre)**
HUMAN/ *HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ INFANT/ INFANT, NEWBORN/ NORMAL VALUES/ *THYROXINE, blood

4032. **Tower BB, Sigel MB, Rubin RT, et al:** The talc-resin-TCA test: rapid screening of radioiodinated polypeptide hormones for radioimmunoassay. Life Sci 23(22):2183-92, 27 Nov 78
ADSORPTION/ *ANION EXCHANGE RESINS/ *HORMONES, analysis/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ *ION EXCHANGE RESINS/ ISOTOPE LABELING/ *PEPTIDES, analysis/ PRECIPITATION/ RADIOIMMUNOASSAY, methods/ RATS/ *TALC/ *TRICHLOROACETIC ACID/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4033. **Tralka TS, Rosen SW, Weintraub BD, et al:** Ultrastructural concomitants of sodium butyrate-enhanced ectopic production of chorionic gonadotropin and its alpha subunit human bronchogenic carcinoma (ChaGo) cells. JNCI 62(1):45-61, Jan 79
*BUTYRATES, pharmacodynamics/ *CARCINOMA, BRONCHOGENIC, metabolism/ CARCINOMA, BRONCHOGENIC, ultrastructure/ CELL LINE/ CHROMATIN, drug effects/ CHROMATIN, ultrastructure/ *GONADOTROPINS, CHORIONIC, biosynthesis/ *HORMONES, ECTOPIC, biosynthesis/ HUMAN/ *LUNG NEOPLASMS, metabolism/ LUNG NEOPLASMS, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING/ NEOPLASMS, EXPERIMENTAL, metabolism

4034. **Tran MA, Géral JP:** The influence of some vasoactive drugs on bone circulation. Eur J Pharmacol 52(1):109-14, 1 Nov 78
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ *BLOOD CIRCULATION, drug effects/ BLOOD PRESSURE, drug effects/ BONE AND BONES, drug effects/ BONE AND BONES, physiology/ DOGS/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ PERFUSION/ THEOPHYLLINE, pharmacodynamics/ *VASOCONSTRICTOR AGENTS, pharmacodynamics/ *VASODILATOR AGENTS, pharmacodynamics

4035. **Traniello S, Buzzoni M, Caruso A, et al:** Regulation of protein synthesis by estradiol-17beta in cultured hepatocytes. Biochim Biophys Acta 520(3):664-70, 24 Oct 78
CELLS, CULTURED/ CHICK EMBRYO/ *ESTRADIOL, pharmacodynamics/ LIVER, drug effects/ *LIVER, metabolism/ *PHOSPHOPROTEINS, biosynthesis/ PHOSVITIN, biosynthesis/ STIMULATION, CHEMICAL/ VITELLOGENIN, biosynthesis

4036. **Trentini M, Scanabissi FS:** Ultrastructural observations on the oogenesis of Triops cancriformis (Crustacea, Notostraca). Cell Tissue Res 194(1):71-7, 9 Nov 78
ANIMAL/ CELL DIFFERENTIATION/ *CRUSTACEA, anatomy & histology/ FEMALE/ INTERCELLULAR JUNCTIONS, ultrastructure/ *OOGENESIS/ *OVARY, cytology/ OVARY, ultrastructure

4037. **Triantaphyllidis H:** Utilisation d'un modèle nutritionnel pour l'étude, in vivo, de la fonction régulatrice des ions sur la sécrétion thyroïdienne. Ann Endocrinol (Paris) 39(3):241-2, 1978 (Eng. Abstr.) **(Fre)**
ANIMAL/ *CALCIUM, physiology/ *CHLORIDES, physiology/ DIET/ ENGLISH ABSTRACT/ IODINE, secretion/ MODELS, BIOLOGICAL/ *SODIUM, physiology/ *THYROID GLAND, secretion/ THYROTROPIN, secretion/ THYROXINE, secretion

4038. **Triebwasser WF, Clark MR, LeMaire WJ, et al:** Localization and in vitro synthesis of prostaglandins in components of rabbit preovulatory graafian follicles. Prostaglandins 16(4):621-32, Oct 78
ANIMAL/ BODY FLUIDS, metabolism/ CELL SEPARATION/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *GRAAFIAN FOLLICLE, metabolism/ GRANULOSA CELLS, metabolism/ HISTOLOGICAL TECHNICS/ HUMAN/ LH, pharmacodynamics/ OOCYTES, metabolism/ *PROSTAGLANDINS E, biosynthesis/ *PROSTAGLANDINS F, biosynthesis/ RABBITS

4039. **Tripodi V, Riccardi V, Laghi A:** Su di un caso di prune belly syndrome o agenesia dei muscoli addominali. Arch Ostet Ginecol 81(4-6):153-61, Jul-Dec 76 **(Ita)**
*ABDOMINAL WALL, abnormalities/ ABNORMALITIES, MULTIPLE/ CASE REPORT/ HUMAN/ INFANT, NEWBORN/ MALE/ SYNDROME/ TESTIS, abnormalities/ *UROGENITAL SYSTEM, abnormalities

4040. **Trobough G, Guderian AM, Erickson RR, et al:** The effect of exogenous intrauterine progesterone on the amount and prostaglandin F2alpha content of menstrual blood in dysmenorrheic women. J Reprod Med 21(3):153-8, Sep 78
ADULT/ *DYSMENORRHEA, blood/ DYSMENORRHEA, drug therapy/ DYSMENORRHEA, physiopathology/ FEMALE/ HUMAN/ *MENSTRUATION/ MENSTRUATION, drug effects/ *PROGESTERONE, pharmacodynamics/ PROGESTERONE, therapeutic use/ *PROSTAGLANDINS F, blood/ PROSTAGLANDINS F, physiology

4041. **Tröger HD, Beier G, Liebhardt E:** Anwendung der DNS-Fluorochromierung zur Todeszeitbestimmung in der spätpostmortalen Phase. Beitr Gerichtl Med 36:319-22, 1978 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ MALE/ MICROSCOPY, FLUORESCENCE, methods/ *POSTMORTEM CHANGES/ QUINACRINE MUSTARD, diagnostic use/ *SEX CHROMOSOMES/ TIME FACTORS/ *Y CHROMOSOME

4042. **Truelove SC, Willoughby CP, Lee EG, et al:** Further experience in the treatment of severe attacks of ulcerative colitis. Lancet 2(8099):1086-8, 18 Nov 78
ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AGED/ AMINO ACIDS, administration & dosage/ AZATHIOPRINE, administration & dosage/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ COLECTOMY/ *COLITIS, ULCERATIVE, therapy/ EMERGENCIES/ FAT EMULSIONS, INTRAVENOUS, administration & dosage/ FEMALE/ FOLLOW-UP STUDIES/ GLUCOSE, administration & dosage/ HUMAN/ MALE/ MIDDLE AGE/ PARENTERAL FEEDING/ PREDNISOLONE, administration & dosage/ RECTUM, surgery/ REMISSION/ SALICYLAZOSULFAPYRIDINE, administration & dosage/ TIME FACTORS

4043. **Trunova MM:** Aktivnost' simpatiko-adrenalovoĭ sistemy u bol'nykh istericheskoĭ psikhopatieĭ i psikhasteniei. Zh Nevropatol Psikhiatr 78(11):1662-6, 1978 (Eng. Abstr.) **(Rus)**
ADRENAL MEDULLA, physiopathology/ *ANTISOCIAL PERSONALITY, urine/ *CATECHOLAMINES, urine/ *DOPA, urine/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ HUMAN/ *HYSTERICAL PERSONALITY, urine/ *NEURASTHENIA, urine/ NOREPINEPHRINE, urine/ SYMPATHETIC NERVOUS SYSTEM, physiopathology

4044. **Tsai SC, Manganiello VC, Vaughan M:** Purification of guanylate cyclase from rat liver supernatant. J Biol Chem 253(23):8542-7, 10 Dec 78
ANIMAL/ CALCIUM, pharmacodynamics/ *GUANYL CYCLASE, isolation & purification/ GUANYL CYCLASE, metabolism/ KINETICS/ *LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ MALE/ RATS/ THEOPHYLLINE, pharmacodynamics

4045. **Tsang BK, Singhal RL:** Alterations in polyamines and nucleic acids in the rat ventral prostate during cyproterone acetate treatment and subsequent withdrawal. Can J Physiol Pharmacol 56(5):785-91, Oct 78
ANIMAL/ *CYPROTERONE, pharmacodynamics/ *DNA, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ *POLYAMINES, metabolism/ PROSTATE, drug effects/ *PROSTATE, metabolism/ RATS/ *RNA, metabolism/ TIME FACTORS

4046. **Tsang RC, Roginsky MS, Mellies MJ, et al:** Plasma 25-hydroxy-vitamin D in familial hypercholesterolemic children receiving colestipol resin. Pediatr Res 12(10):980-2, Oct 78
ADOLESCENCE/ ADULT/ CALCIUM, blood/ CHILD/ CHOLESTEROL, blood/ *COLESTIPOL, therapeutic use/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood/ *HYPERCHOLESTEREMIA, blood/ HYPERCHOLESTEREMIA, drug therapy/ HYPERCHOLESTEREMIA, familial & genetic/ PHOSPHATES, blood/ *POLYAMINES, therapeutic use

4047. **Ts'ao CH, Ng AS, Holly CM:** Increased production of PGI2-like activity by frozen-thawed rat aorta. Prostaglandins 16(4):503-12, Oct 78
ANIMAL/ AORTA, THORACIC, metabolism/ AORTA, THORACIC, ultrastructure/ *ARTERIES, metabolism/ ASPIRIN, pharmacodynamics/ BUFFERS/ CREATINE KINASE, metabolism/ FEMALE/ FREEZING/ MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, ultrastructure/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RATS/ SPECIMEN HANDLING/ TEMPERATURE/ TIME FACTORS/ TISSUE PRESERVATION

4048. **Tschantz P:** Prävention der Rekurrensparese und der Nebenschilddrüsen-Läsion bei Thyreoidektomie. Fortschr Med 96(45):2286-8, 1 Dec 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ HUMAN/ *HYPOPARATHYROIDISM, prevention & control/ *LARYNGEAL NERVES/ *PARALYSIS, prevention & control/ *RECURRENT LARYNGEAL NERVE/ THYROIDECTOMY, methods

4049. **Tseng L, Gusberg SB, Gurpide E:** Estradiol receptor and 17 beta-dehydrogenase in normal and abnormal human endometrium. Ann NY Acad Sci 286:190-8, 11 Mar 77
ADENOCARCINOMA, drug therapy/ *ADENOCARCINOMA, metabolism/ COMPARATIVE STUDY/ ENDOMETRIUM, drug effects/ *ENDOMETRIUM, metabolism/ *ESTRADIOL DEHYDROGENASES, metabolism/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HUMAN/ MENSTRUATION/ PLACENTA, enzymology/ PREGNANCY/ PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ RECEPTORS, ESTROGEN, drug effects/ *RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERINE NEOPLASMS, drug therapy/ *UTERINE NEOPLASMS, metabolism/ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism

4050. **Tseng LF, Loh HH, Li CH:** [D-Thr2, Thz5]-enkephalinamide: a potent analgesic by subcutaneous and oral administration. Life Sci 23(20):2053-6, 13 Nov 78
ADMINISTRATION, ORAL/ *ANALGESICS/ ANIMAL/ *ENDORPHINS, pharmacodynamics/ ENKEPHALINS, administration & dosage/ ENKEPHALINS, antagonists & inhibitors/ *ENKEPHALINS, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ MICE/ MICE, INBRED ICR/ MORPHINE ADDICTION, physiopathology/ MORPHINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4051. **Tso EC, Tam WH:** The luteolytic effect of prostaglandin F2alpha on the guinea pig corpus luteum in relation to gonadotropins and stages of the oestrous cycle. Can J Physiol Pharmacol 56(5):828-33, Oct 78
ANIMAL/ CORPUS LUTEUM, drug effects/ *ESTRUS/ FEMALE/ FSH, pharmacodynamics/ *GONADOTROPINS, physiology/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GUINEA PIGS/ *LUTEOLYTIC AGENTS/ PROGESTERONE, blood/ PROLACTIN, pharmacodynamics/ PROSTAGLANDINS F, antagonists & inhibitors/ *PROSTAGLANDINS F, pharmacodynamics/ TIME FACTORS

4052. **Tso WW, Wong MY:** Chemotaxis: not a prerequisite for plasmodia coalescence in Physarum polycephalum. Biochem Biophys Res Commun 84(4):993-7, 30 Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *CHEMOTAXIS/ *PHYSARUM, physiology/ SPECIES SPECIFICITY

4053. **Tsuboi S:** [Studies on the glucocorticoid receptor in rat brain cytosol (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(8):966-79, 20 Aug 78 (Eng. Abstr.) **(Jpn)**
ABSORPTION/ ANIMAL/ *BRAIN CHEMISTRY/ CHROMATOGRAPHY, GEL/ *CYTOSOL, analysis/ ENGLISH ABSTRACT/ MALE/ METHODS/ PRECIPITATION/ RATS/ *RECEPTORS, GLUCOCORTICOID, analysis/ *RECEPTORS, STEROID, analysis

4054. **Tsuchida S, Kumagai I:** Effect of urinary bladder distension on renal blood flow, blood pressure and plasma renin activity. Tohoku J Exp Med 126(4):335-41, Dec 78
ANIMAL/ *BLADDER, physiopathology/ BLOOD PRESSURE/ DILATATION, PATHOLOGIC/ DOGS/ *KIDNEY, blood supply/ REGIONAL BLOOD FLOW/ *RENIN, blood

4055. **Tsuchiya H, Matsuo N, Osa H, et al:** [Etiology of hypocalcemia in hypoparathyroidism and pseudohypoparathyroidism] Horumon To Rinsho 26(11):1167-74, Nov 78 **(Jpn)**
CHILD/ FEMALE/ HUMAN/ *HYPOCALCEMIA, etiology/ *HYPOPARATHYROIDISM, complications/ HYPOPARATHYROIDISM, metabolism/ INFANT/ INFANT, NEWBORN/ MALE/ *PSEUDOHYPOPARATHYROIDISM, complications/ PSEUDOHYPOPARATHYROIDISM, metabolism/ VITAMIN D, metabolism

4056. **Tsukui K, Iwasaki T, Kawade Y:** Heterogeneity of mouse lymphocytes in interferon production upon influenza virus challenge in culture. Cell Immunol 40(2):451-6, Oct 78
ANIMAL/ CELL SEPARATION/ CELLS, CULTURED/ CENTRIFUGATION, DENSITY GRADIENT/ HYDROCORTISONE, pharmacodynamics/ *INTERFERON, biosynthesis/ LYMPH NODES, immunology/ *LYMPHOCYTES, immunology/ MALE/ MICE/ MICE, INBRED C3H/ *ORTHOMYXOVIRUSES TYPE A, immunology/ SPLEEN, immunology/ THYMUS GLAND, immunology

4057. **Tsuzaki K, Tanaka I, Kotoh K:** Cytologic appearances of pheochromocytoma and medullary thyroid carcinoma occurring within a family. Acta Cytol (Baltimore) 22(5):321-6, Sep-Oct 78
ADRENAL GLAND NEOPLASMS, familial & genetic/ *ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ CARCINOMA, familial & genetic/ *CARCINOMA, pathology/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, familial & genetic/ *PHEOCHROMOCYTOMA, pathology/ THYROID NEOPLASMS, familial & genetic/ *THYROID NEOPLASMS, pathology

4058. **Tsvetkov Ts, Nanov Z, Dokov D, et al:** Sindrom na Sertolievite kletki pri muzhe s aspermiia i azoospermiia.
Akush Ginekol (Sofiia) 17(5):332–9, 1978 (Eng. Abstr.) **(Bul)**
ADULT/ BIOPSY/ CASE REPORT/ EJACULATION/ ENGLISH ABSTRACT/ HUMAN/ *HYPOGONADISM, pathology/ MALE/ *OLIGOSPERMIA, pathology/ *SERTOLI CELLS, pathology/ SYNDROME/ *TESTIS, abnormalities/ TESTIS, pathology

4059. **Tsvetkov Ts, Ionkov I, Nanov Z, et al:** Diagnostichni vuzmozhnosti na biopschnoto izsledvane pri muzhe s khipoplaziia na testisite. Akush Ginekol (Sofiia) 17(5):343–8, 1978 (Eng. Abstr.) **(Bul)**
ADULT/ BIOPSY/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ *HYPOGONADISM, diagnosis/ HYPOGONADISM, pathology/ MALE/ OLIGOSPERMIA, diagnosis/ OLIGOSPERMIA, pathology/ STERILITY, MALE, diagnosis/ STERILITY, MALE, pathology/ *TESTIS, abnormalities/ TESTIS, pathology

4060. **Tsybenko VA, Krasnova AI:** Vzaimodeĭstvie mezhdu gipotalamicheskim i bul'barnym urovniami reguliatsii krovoobrashcheniia. Fiziol Zh 24(6):729–36, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
AFFERENT PATHWAYS, physiology/ ANIMAL/ *BLOOD CIRCULATION/ CARDIOVASCULAR SYSTEM, innervation/ DENERVATION/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HEMODYNAMICS/ *HYPOTHALAMUS, physiology/ MALE/ *MEDULLA OBLONGATA, physiology/ REFLEX, physiology

4061. **Tunn RS, Zrike J:** Functional involvement of carbonic anhydrase in calcium transport of the chick chorioallantoic membrane. Biochem J 176(1):67–74, 15 Oct 78
AGE FACTORS/ ALLANTOIS, enzymology/ *ALLANTOIS, metabolism/ ALLANTOIS, ultrastructure/ ANIMAL/ BIOLOGICAL TRANSPORT/ *CALCIUM, metabolism/ CARBONIC ANHYDRASE INHIBITORS/ CARBONIC ANHYDRASE, metabolism/ *CARBONIC ANHYDRASE, physiology/ CHICK EMBRYO/ CHORION, enzymology/ *CHORION, metabolism/ CHORION, ultrastructure/ *FETAL MEMBRANES, metabolism/ HISTOCYTOCHEMISTRY/ SULFONAMIDES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4062. **Tucker EM, Dain AR, Moor RM:** Sex chromosome chimaerism and the transmission of blood group genes by tetraparental rams. J Reprod Fertil 54(1):77–83, Sep 78
ANIMAL/ *BLOOD GROUPS, genetics/ *CHIMERA/ ERYTHROCYTE COUNT/ ERYTHROCYTES, metabolism/ KARYOTYPING/ MALE/ POTASSIUM, blood/ *SEX CHROMOSOMES/ *SHEEP, genetics

4063. **Tucker R, Lata GF:** Circular dichroism of bovine serum albumin--testosterone systems. J Steroid Biochem 6(11–12):1523–5, Nov–Dec 75
CIRCULAR DICHROISM/ MACROMOLECULAR SYSTEMS/ PROTEIN CONFORMATION/ *SERUM ALBUMIN, BOVINE/ SPECTROPHOTOMETRY, ULTRAVIOLET/ *TESTOSTERONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4064. **Tucker WG, Leong AS, McCulloch GA:** Tumours of the pineal region--neuroradiological aspects. Australas Radiol 21(4):313–24, Dec 77
ADOLESCENCE/ ADULT/ *BRAIN NEOPLASMS, radiography/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ MALE/ MEDULLOBLASTOMA, radiography/ *PINEAL BODY/ PINEAL BODY, radiography/ PINEALOMA, radiography/ TERATOID TUMOR, radiography

4065. **Tuev AV, Kasatkin IuN, Naumov AS, et al:** Gonadotropnaia i androgennaia funktsii u bol'nykh infarktom miokarda.
Klin Med (Mosk) 56(10):53–5, Oct 78 **(Rus)**
ACUTE DISEASE/ ADULT/ AGED/ *ANDROGENS, urine/ CASE REPORT/ *FSH, blood/ HUMAN/ *LH, blood/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCTION, physiopathology/ *TESTOSTERONE, blood/ TIME FACTORS/ 17-KETOSTEROIDS, urine

4066. **Tuganowski W, Kopec P:** The effect of cGMP in rabbit auricle as studied by a cut–end method.
Naunyn Schmiedebergs Arch Pharmacol 304(3):211–3, 16 Oct 78
ACTION POTENTIALS, drug effects/ ANIMAL/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *HEART, drug effects/ IN VITRO/ MYOCARDIAL CONTRACTION, drug effects/ POTASSIUM CHLORIDE, pharmacodynamics/ RABBITS/ THEOPHYLLINE, pharmacodynamics

4067. **Tuncbilek E, Kurultay N, Belgin E:** Are sex chromosone abnormalities a factor in speech delay? Arch Dis Child 53(10):831, Oct 78
CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ SEX CHROMOSOME ABNORMALITIES/ *SPEECH DISORDERS, familial & genetic

4068. **Tung TC:** [Studies on toxic proteins of seeds of Abrus precatorius (author's transl)]
Taiwan I Hsueh Hui Tsa Chih 77(9):699–705, Sep 78 **(Chi)**
*ABRIN, therapeutic use/ ANIMAL/ *ANTINEOPLASTIC AGENTS, therapeutic use/ FEMALE/ HUMAN/ MICE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, drug therapy/ OVARIAN NEOPLASMS, drug therapy/ *PLANT PROTEINS, therapeutic use/ *PLANTS, TOXIC/ SARCOMA, drug therapy/ SEEDS

4069. **Tunn U, Senge T:** Untersuchungen zum Wirkungserfolg der konservativen Behandlung bei benigner Prostatahyperplasie durch Uroflowmetrie. Z Urol Nephrol 71(8):521–8, Aug 78 (Eng. Abstr.) **(Ger)**
AGED/ *ALKALOIDS, therapeutic use/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ *GESTONORONE CAPROATE, therapeutic use/ HUMAN/ KYMOGRAPHY/ MALE/ MIDDLE AGE/ *NORTROPANES, therapeutic use/ *PIPERIDINES, therapeutic use/ PLANT EXTRACTS, therapeutic use/ PROSTATIC HYPERTROPHY, diagnosis/ *PROSTATIC HYPERTROPHY, drug therapy/ *PYRROLIDINES, therapeutic use/ *SITOSTEROLS, therapeutic use/ URINE

4070. **Tuomisto J:** Neuropharmacological intervention on the pituitary–hypothalamic relationship. Ann Clin Res 10(3):120–32, 1978
ANIMAL/ DOPAMINE, physiology/ ERGOT ALKALOIDS, pharmacodynamics/ FEMALE/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LEVODOPA, pharmacodynamics/ MALE/ *NEUROHUMORS, physiology/ NOREPINEPHRINE, physiology/ PROLACTIN RELEASE INHIBITING HORMONE, physiology/ *PROLACTIN, secretion/ RATS/ RECEPTORS, DOPAMINE, physiology/ SEROTONIN, physiology/ SOMATOTROPIN, secretion/ *THYROTROPIN, secretion/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ TRANQUILIZING AGENTS, MAJOR, therapeutic use

4071. **Turakulov IaKh, Kadyrova DA, Atakhanova BA, et al:** Otsutstvie tireoglobulinsinteziruiushchikh poliribosom v kletkakh raka shchitovidnoĭ zhelezy.
Dokl Akad Nauk SSSR 242(3):723–5, 1978 **(Rus)**
ADENOMA, metabolism/ *ADENOMA, ultrastructure/ *THYROGLOBULIN, biosynthesis/ THYROID GLAND, metabolism/ *THYROID GLAND, ultrastructure/ THYROID NEOPLASMS, metabolism/ *THYROID NEOPLASMS, ultrastructure/ THYROIDITIS, LYMPHOMATOUS, metabolism/ *THYROIDITIS, LYMPHOMATOUS, pathology

4072. **Turakulova FIa, Salakhova NS, Karimova ShF, et al:** Osobennosti funktsional'nogo sostoianiia gipofizarno-tireoidnoĭ sistemy u zhenshchin v period beremennosti. Probl Endokrinol (Mosk) 24(6):39–42, Nov–Dec 78 (Eng. Abstr.) **(Rus)**
BLOOD PROTEINS, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE, blood/ *PITUITARY GLAND, ANTERIOR, physiology/ *PREGNANCY/ PROTEIN BINDING/ *THYROID GLAND, physiology/ THYROTROPIN, blood/ THYROXINE, blood/

TRIIODOTHYRONINE, blood

4073. **Tureková L, Juráni M:** Participation of hypothalamus in the response of interrenal tissue to stress of frog Rana ridibunda. Endocrinol Exp (Bratisl) 12(3):171–8, Sep 78
*ADRENAL CORTEX, physiology/ ADRENAL CORTEX, physiopathology/ ANIMAL/ *CORTICOSTERONE, blood/ FEMALE/ FROGS/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, physiopathology/ MALE/ MEDIAN EMINENCE, physiology/ OPTIC CHIASM, physiology/ RANA/ *STRESS, physiopathology

4074. **Turevskiĭ AA, Matsiuk IaR, Zimatkin SM:** Sravnitel'noe izuchenie zheludochnykh zhelez posle vagotomii, adrenal--i gonadéktomii. Fiziol Zh SSSR 64(9):1278–82, Sep 78 (Eng. Abstr.) **(Rus)**
*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ CASTRATION/ ENGLISH ABSTRACT/ FEMALE/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, metabolism/ *GASTRIC MUCOSA, physiology/ *GONADS, physiology/ HISTOCYTOCHEMISTRY/ MALE/ OXIDOREDUCTASES, metabolism/ RATS/ VAGOTOMY/ *VAGUS NERVE, physiology

4075. **Turini GA, Brunner HR, Ferguson RK, et al:** Congestive heart failure in normotensive man. Haemodynamics, renin, and angiotensin II blockade. Br Heart J 40(10):1134–42, Oct 78
ADULT/ AGED/ *ANGIOTENSIN II, antagonists & inhibitors/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ FEMALE/ *HEART FAILURE, CONGESTIVE, physiopathology/ HEART, drug effects/ *HEMODYNAMICS/ HEMODYNAMICS, drug effects/ HUMAN/ MALE/ MIDDLE AGE/ *RENIN, blood/ SARALASIN, pharmacodynamics

4076. **Turner G, Till R, Daniel R:** Marker X chromosomes, mental retardation and macro-orchidism [letter] N Engl J Med 299(26):1472, 28 Dec 78
*CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ MALE/ *MENTAL RETARDATION, familial & genetic/ *SEX CHROMOSOMES/ *TESTIS, abnormalities/ *X CHROMOSOME

4077. **Turner IM, Newman SM, Louis S, et al:** Pharmacological prophylaxis against the development of kindled amygdaloid seizures. Ann Neurol 2(3):221–4, Sep 77
ACETAZOLAMIDE, therapeutic use/ *AMYGDALOID BODY, physiopathology/ ANIMAL/ CATS/ *CONVULSIONS, prevention & control/ CONVULSIONS, physiopathology/ DEXAMETHASONE, therapeutic use/ *ELECTRIC STIMULATION/ ETHOSUXIMIDE, therapeutic use/ PHENOBARBITAL, blood/ PHENOBARBITAL, therapeutic use/ PHENYTOIN, blood/ PHENYTOIN, therapeutic use

4078. **Turner P, Ehsanullah RS:** Platelets, 5HT, dopamine, chorea and Parkinson's disease. pp. 385–7.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977.
ADULT/ BLOOD PLATELETS, drug effects/ *BLOOD PLATELETS, metabolism/ CHLORIMIPRAMINE, pharmacodynamics/ *DOPAMINE, metabolism/ HUMAN/ *HUNTINGTON CHOREA, blood/ MIDDLE AGE/ MONOGRAPH/ *PARKINSON DISEASE, blood/ RECEPTORS, DOPAMINE, drug effects/ *SEROTONIN, metabolism

4079. **Turner TT, Howards SS:** The effects of vasectomy on the movement of 14C-urea in the seminiferous tubule of the hamster. Invest Urol 16(3):237–9, Nov 78
ANIMAL/ CARBON RADIOISOTOPES/ EPIDIDYMITIS, metabolism/ HAMSTERS/ MALE/ *SEMINIFEROUS TUBULES, metabolism/ *TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *UREA, metabolism/ *VASECTOMY

4080. **Tuvemo T:** DDAVP in childhood nocturnal enuresis. Acta Paediatr Scand 67(6):753–5, Nov 78
*ARGIPRESSIN, therapeutic use/ CHILD/ DESMOPRESSIN, administration & dosage/ *DESMOPRESSIN, therapeutic use/ DIURNAL RHYTHM/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ *ENURESIS, drug therapy/ HUMAN/ PLACEBOS/ PREGNANCY

4081. **Twiford TW Jr, Goldstein HM, Zornoza J:** Transcatheter therapy of gastrointestinal arterial bleeding. Am J Dig Dis 23(11):1046–53, Nov 78
AGED/ CATHETERIZATION/ *EMBOLIZATION, THERAPEUTIC/ EMBOLIZATION, THERAPEUTIC, adverse effects/ FEMALE/ GASTROINTESTINAL NEOPLASMS, complications/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, radiography/ *HEMORRHAGE, GASTROINTESTINAL, therapy/ HUMAN/ INFUSIONS, INTRA-ARTERIAL/ MALE/ METHODS/ MIDDLE AGE/ PEPTIC ULCER HEMORRHAGE, drug therapy/ PEPTIC ULCER HEMORRHAGE, therapy/ VASOCONSTRICTION/ VASOPRESSINS, administration & dosage/ VASOPRESSINS, adverse effects/ *VASOPRESSINS, therapeutic use

4082. **Tyce GM, Owen CA Jr:** Cerebral metabolism of glucose in adrenalectomized rats: effect of treatment with L-DOPA and a monoamine oxidase inhibitor. Brain Res 158(2):466–9, 15 Dec 78
*ADRENALECTOMY/ AMINO ACIDS, metabolism/ ANIMAL/ *BLOOD SUGAR, metabolism/ *BRAIN, metabolism/ *LEVODOPA, pharmacodynamics/ MALE/ *MONOAMINE OXIDASE INHIBITORS/ *PHENYLHYDRAZINES, pharmacodynamics/ RATS

4083. **Tyson JE, Pinto H:** Identification of the possible significance of prolactin in human reproduction. Clin Obstet Gynaecol 5(2):411–34, Aug 78 (129 ref.)
AMENORRHEA, diagnosis/ AMENORRHEA, drug therapy/ ANDROGENS, metabolism/ ANIMAL/ FEMALE/ HUMAN/ LACTATION DISORDERS, diagnosis/ LACTATION DISORDERS, drug therapy/ MENSTRUATION DISORDERS, blood/ *MENSTRUATION/ PROLACTIN, blood/ *PROLACTIN, physiology/ PUERPERIUM/ RATS/ *REPRODUCTION/ REVIEW/ STERILITY, FEMALE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER-ELECTROLYTE BALANCE

4084. **Tzeng SF, Ho IK:** Acute and continuous morphine administration on the gamma-aminobutyric acid system in the mouse. Prog Neuropsychopharmacol 2(1):55–64, 1978
AMINOBUTYRATE AMINOTRANSFERASE, analysis/ AMINOOXYACETIC ACID, pharmacodynamics/ ANIMAL/ *BRAIN CHEMISTRY, drug effects/ BRAIN STEM, drug effects/ CEREBELLUM, drug effects/ CEREBRAL CORTEX, drug effects/ GLUTAMATE DECARBOXYLASE, analysis/ GLUTAMATES, analysis/ *GABA, analysis/ HYPOTHALAMUS, drug effects/ MALE/ MICE/ *MORPHINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

U

4085. **Ubachs JM, Rolland R:** Hypogonadotroop hypogonadisme en reukstoornis. Ned Tijdschr Geneeskd 122(49):1912–6, 9 Dec 78 (Eng. Abstr.) **(Dut)**
ADOLESCENCE/ ADULT/ *ANOSMIA, complications/ ANOSMIA, familial & genetic/ AUTOSOME ABNORMALITIES/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ GENES, DOMINANT/ GONADOTROPINS, blood/ *GONADOTROPINS, deficiency/ HUMAN/ *HYPOGONADISM, complications/ HYPOGONADISM, etiology/ HYPOGONADISM, familial & genetic/ PEDIGREE/ SYNDROME

4086. **Uchitel' IA, Ystinova SE:** Aktivnost' renina v plazme krovi u zdorovykh liudeĭ i bol'nykh gipertonicheskoĭ bolezn'iu raznogo vozrasta i pola. Kardiologiia 18(11):34–8, Nov 78 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTENSION, blood/ MALE/ MIDDLE AGE/ NORMAL VALUES/ *RENIN, blood/ SEX FACTORS

4087. **Ucker DS, Signer ER:** Catabolite-repression-like phenomenon in Rhizobium meliloti. J Bacteriol 136(3):1197–200, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *BETA-GALACTOSIDASES, biosynthesis/ ENZYME REPRESSION, drug effects/

*GALACTOSIDASES, biosynthesis/ LACTOSE, metabolism/ NITROGEN FIXATION/ *RHIZOBIUM, metabolism/ *SUCCINATES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4088. **Ude J, Eckert M:** Immunelektronemikroskopische Dünnschnittmarkierung von Peptidhormonen im Nervensystem von wirbellosen Tieren.
Acta Histochem [Suppl] (Jena) 15:265–72, 1975 **(Ger)**
ANIMAL/ *ANTIGEN-ANTIBODY COMPLEX/ *COCKROACHES, anatomy & histology/ CYTOPLASMIC GRANULES, ultrastructure/ *HORMONES, analysis/ HORSERADISH PEROXIDASE, immunology/ *INSECTS, anatomy & histology/ *MICROSCOPY, ELECTRON/ *NERVOUS SYSTEM, ultrastructure/ NEUROSECRETION/ *PEPTIDES, analysis/ *PERIPLANETA, anatomy & histology

4089. **Udintsev NA, Serebrov VIu, Tsyrov GI:** Vliianie peremennogo magnitnogo polia promyshlennoĭ chastoty na funktsional'noe sostoianie shchitovidnoĭ zhelezy i pogloshchenie tiroksina organami krys. Biull Eksp Biol Med 86(11):544–6, Nov 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CARRIER PROTEINS, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ IODINE, metabolism/ *MAGNETICS/ PERIODICITY/ PROTEIN BINDING/ RATS/ *THYROID GLAND, metabolism/ *THYROXINE, metabolism/ TIME FACTORS/ TISSUE DISTRIBUTION

4090. **Ueda J, Nakanishi H, Abe Y:** Effect of glucagon on renin secretion in the dog. Eur J Pharmacol 52(1):85–92, 1 Nov 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ DOGS/ FEMALE/ *GLUCAGON, pharmacodynamics/ JUXTAGLOMERULAR APPARATUS, analysis/ *KIDNEY, drug effects/ MALE/ PROPRANOLOL, pharmacodynamics/ RENIN, blood/ *RENIN, secretion/ SECRETORY RATE, drug effects/ THEOPHYLLINE, pharmacodynamics

4091. **Uehling DT:** Fertility following treatment of adrenal rest tumor. Surg Forum 28:580–2, 1977
*ADRENAL CORTICAL REST TUMOR, drug therapy/ ADULT/ CASE REPORT/ FEMALE/ *FERTILITY/ HUMAN/ HYDROCORTISONE, administration & dosage/ *HYDROCORTISONE, therapeutic use/ MALE/ PREGNANCY/ *TESTICULAR NEOPLASMS, drug therapy

4092. **Uemura T, Kooguchi J, Shiojima Y:** [Temporal relationship of LH and estradiol at mid cycle (author's transl)]
Nippon Naibunpi Gakkai Zasshi 54(7):855–65, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ *ESTRADIOL, blood/ FEMALE/ HUMAN/ *LH, blood/ *OVULATION

4093. **Ueno T, Sekine T:** Study on calcium transport by sarcoplasmic reticulum vesicles using fluorescence probes.
J Biochem (Tokyo) 84(4):787–94, Oct 78
ADENOSINE TRIPHOSPHATE, metabolism/ ANILINO NAPHTHALENESULFONATES/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ CARBOCYANINES/ KINETICS/ MUSCLES, metabolism/ RABBITS/ *SARCOPLASMIC RETICULUM, metabolism/ SPECTROMETRY, FLUORESCENCE

4094. **Uesugi S, Tanaka S, Ikehara M:** Carbon-13 nuclear-magnetic-resonance spectra of adenine cyclonucleosides and their phosphates. Effects of neighboring groups for elucidation of fine structure of nucleosides and nucleotides. Eur J Biochem 90(1):205–12, 15 Sep 78
*ADENINE NUCLEOTIDES/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ *ADENOSINE, analogs & derivatives/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ STRUCTURE-ACTIVITY RELATIONSHIP/ VIDARABINE, analogs & derivatives

4095. **Ugriumov MV:** Issledovanie ul'trastruktury i pronitsaemosti kapilliarov v zadneĭ dole gipofiza krysy. Tsitologiia 20(10):1119–25, Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ CAPILLARIES, ultrastructure/ CAPILLARY PERMEABILITY/ COMPARATIVE STUDY/ ENDOTHELIUM, ultrastructure/ ENGLISH ABSTRACT/ FERRITIN, blood/ HORSERADISH PEROXIDASE, blood/ MALE/ PINOCYTOSIS/ *PITUITARY GLAND, POSTERIOR, blood supply/ RATS

4096. **Uilenbroek JT, Tiller R, de Jong FH, et al:** Specific suppression of follicle-stimulating hormone secretion in gonadectomized male and female rats with intrasplenic ovarian transplants.
J Endocrinol 78(3):399–406, Sep 78
ANIMAL/ CASTRATION/ ESTRADIOL, blood/ FEMALE/ *FSH, secretion/ KIDNEY, metabolism/ LIVER, metabolism/ LH, blood/ MALE/ *OVARY, physiology/ OVARY, secretion/ OVARY, transplantation/ PROGESTERONE, blood/ RATS/ SPLEEN/ TRANSPLANTATION, HOMOLOGOUS

4097. **Ulitovskiĭ DA, Konnov BA:** Die Pathomorphologie der Hypophyse nach lokaler Bestrahlung mit Protonen von 1000 MeV. Radiobiol Radiother (Berl) 19(3):303–10, Jun 78 (Eng. Abstr.) **(Ger)**
ANIMAL/ DOGS/ ENGLISH ABSTRACT/ NECROSIS/ PITUITARY GLAND, pathology/ *PITUITARY GLAND, radiation effects/ *PROTONS/ *RADIATION INJURIES, EXPERIMENTAL, pathology

4098. **Ullrich KJ:** Mechanisms of cellular phosphate transport in rat kidney proximal tubule. Adv Exp Med Biol 103:21–35, 1978 (24 ref.)
ADSORPTION/ ANIMAL/ BIOLOGICAL TRANSPORT/ CALCIUM, pharmacodynamics/ DIET/ IN VITRO/ KIDNEY TUBULES, PROXIMAL, cytology/ *KIDNEY TUBULES, PROXIMAL, metabolism/ KINETICS/ PARATHYROID GLANDS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, metabolism/ RATS/ REVIEW/ TIME FACTORS

4099. **Ullrich KJ, Rumrich G, Klöss S:** Phosphate transport in the proximal convolution of the rat kidney. III. Effect of extracellular and intracellular pH. Pfluegers Arch 377(1):33–42, 18 Oct 78
ACETAZOLAMIDE, pharmacodynamics/ ANIMAL/ BICARBONATES, metabolism/ BIOLOGICAL TRANSPORT/ *BODY FLUIDS, metabolism/ CARBON DIOXIDE/ *EXTRACELLULAR SPACE, metabolism/ HYDROGEN-ION CONCENTRATION/ *INTRACELLULAR FLUID, metabolism/ KIDNEY TUBULES, PROXIMAL, drug effects/ *KIDNEY TUBULES, PROXIMAL, metabolism/ MALE/ PARATHYROID GLANDS, physiology/ PARTIAL PRESSURE/ *PHOSPHATES, metabolism/ RATS

4100. **Umeda G, Nakajima H, Yatsuki K:** Some problems on health effects of polychlorinated biphenyls.
Ecotoxicol Environ Safety 1(4):437–46, Mar 78
ADULT/ BRAIN CHEMISTRY, drug effects/ CHROMATOGRAPHY, GAS/ FEMALE/ FETAL BLOOD, analysis/ HUMAN/ INFANT, NEWBORN/ JAPAN/ MALE/ PEROXIDES, blood/ PLACENTA, metabolism/ *POLYCHLOROBIPHENYL COMPOUNDS, adverse effects/ POLYCHLOROBIPHENYL COMPOUNDS, blood/ POLYCHLOROBIPHENYL COMPOUNDS, poisoning/ PREGNANCY/ TIME FACTORS

4101. **Ungár I:** Eingriffe wegen Trachealstenose.
Z Erkr Atmungsorgane 151(1):30–4, Apr 78 (Eng. Abstr.) **(Ger)**
ENGLISH ABSTRACT/ GOITER, SUBSTERNAL, complications/ GOITER, SUBSTERNAL, surgery/ HUMAN/ INTUBATION, adverse effects/ THYROID GLAND, surgery/ *TRACHEA, surgery/ TRACHEAL NEOPLASMS, complications/ TRACHEAL STENOSIS, etiology/ *TRACHEAL STENOSIS, surgery/ TRACHEOTOMY

4102. **Unger WP, Schemmer RJ:** Corticosteroids in the treatment of alopecia totalis. Systemic effects. Arch Dermatol 114(10):1486–90, Oct 78
ADMINISTRATION, ORAL/ ADMINISTRATION, TOPICAL/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *ALOPECIA, drug therapy/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use

4103. **Unsicker K, Habura-Flüh O, Zwarg U, et al:** Interactions between autonomic nerves and adrenal chromaffin cells in culture and in two in vivo transplant systems. pp. 60–9.

In: Coupland RE, Forssmann WG, ed. Peripheral neuroendocrine interaction. Berlin, Springer, 1978. WL 102.3 P445 1977.

ADRENAL MEDULLA, physiology/ ADRENAL MEDULLA, transplantation/ *ADRENAL MEDULLA, ultrastructure/ ANIMAL/ ANTERIOR CHAMBER, surgery/ AUTONOMIC NERVOUS SYSTEM, physiology/ *AUTONOMIC NERVOUS SYSTEM, ultrastructure/ CELLS, CULTURED/ FEMALE/ GANGLIA, AUTONOMIC, ultrastructure/ GUINEA PIGS/ KIDNEY, surgery/ MONOGRAPH/ TRANSPLANTATION, AUTOLOGOUS

4104. **Urban MD, Lee PA, Migeon CJ:** Adult height and fertility in men with congenital virilizing adrenal hyperplasia. N Engl J Med 299(25):1392–6, 21 Dec 78

ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, drug therapy/ *ADRENAL GLAND HYPERFUNCTION, physiopathology/ ADULT/ *BODY HEIGHT/ CELL COUNT/ DEHYDROEPIANDROSTERONE, blood/ *FERTILITY/ FSH, blood/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ HYDROXYPROGESTERONES, blood/ LH, blood/ MALE/ PREGNANETRIOL, urine/ SPERMATOZOA/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 17-KETOSTEROIDS, urine

4105. **Urban MD, Rogers JG, Meyer WJ 3d:** Familial syndrome of mental retardation, short stature, contractures of the hands, and genital anomalies. J Pediatr 94(1):52–5, Jan 79

ADOLESCENCE/ ADULT/ *BODY HEIGHT/ CASE REPORT/ *CONTRACTURE, familial & genetic/ *GENITALIA, MALE, abnormalities/ *HAND/ HUMAN/ MALE/ *MENTAL RETARDATION, familial & genetic/ OSTEOPOROSIS, familial & genetic/ SYNDROME/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4106. **Uspenskaia LP, Medvedev VN, Firsova PP:** Soderzhanie kortizola v plazme krovi bol'nykh rakom legkogo. Vopr Onkol 24(10):58–61, 1978 (Eng. Abstr.) **(Rus)**

ADULT/ CASE REPORT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ *HYDROCORTISONE, blood/ *LUNG NEOPLASMS, blood/ LUNG NEOPLASMS, therapy/ MALE/ MIDDLE AGE/ PREOPERATIVE CARE/ RADIOTHERAPY DOSAGE

4107. **Usukura N, Morimoto S, Uchida K, et al:** [The responsiveness of plasma renin activity to furosemide administration in diabetic patients (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(8):957–65, 20 Aug 78 (Eng. Abstr.) **(Jpn)**

ADULT/ AGED/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, complications/ DIABETIC NEPHROPATHIES, blood/ DIABETIC NEUROPATHIES, blood/ ENGLISH ABSTRACT/ FEMALE/ *FUROSEMIDE, pharmacodynamics/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, complications/ MALE/ MIDDLE AGE/ *RENIN, blood

4108. **Utekhin VI, Gerlovin ESh:** Ul'trastrukturnyĭ analiz B-kletok pankreaticheskikh ostrovkov krys pri tireoidéktomii. Arkh Anat Gistol Embriol 75(10):102–6, Oct 78 (Eng. Abstr.) **(Rus)**

ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ ENGLISH ABSTRACT/ *ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ RATS/ *THYROIDECTOMY

4109. **Utesheva ZF, Novikova TE, Shvachkin IuP, et al:** Vliianie sinteticheskogo somatostatina na bazal'nuiu i stimuliruemuiu sekretsiiu gormona rosta i prolaktina in vitro. Probl Endokrinol (Mosk) 24(6):48–50, Nov-Dec 78 (Eng. Abstr.) **(Rus)**

ANIMAL/ COMPARATIVE STUDY/ DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ ENGLISH ABSTRACT/ FEMALE/ *HORMONES, SYNTHETIC, pharmacodynamics/ IN VITRO/ *PITUITARY GLAND, ANTERIOR, secretion/ *PROLACTIN, secretion/ PROSTAGLANDINS E, antagonists & inhibitors/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ *SOMATOTROPIN, secretion/ STIMULATION, CHEMICAL/ THEOPHYLLINE, antagonists & inhibitors

4110. **Uzan A, Le Fur G, Kabouche M, et al:** Plasma free 5-hydroxytryptamine (5-HT): evidence of an increase induced by LM 5008, a potent 5-HT uptake inhibitor. Life Sci 23(13):1317–24, 2 Oct 78

ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ *BLOOD PLATELETS, metabolism/ HYDROXYINDOLEACETIC ACID, blood/ INDOLES, administration & dosage/ *INDOLES, pharmacodynamics/ KINETICS/ MALE/ RATS/ *SEROTONIN, blood

4111. **Uzuka M, Nakajima K, Mori Y:** Estrogen receptor in the mouse skin. Biochim Biophys Acta 544(2):329–37, 1 Dec 78

ANIMAL/ BINDING, COMPETITIVE/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ KINETICS/ MALE/ MICE/ *RECEPTORS, ESTROGEN, metabolism/ *SKIN, metabolism

V

4112. **Vacek A, Rotkovská D, Bartoníčková A, et al:** Effect of hyperthyroidism on haemopoietic stem cell kinetics in mice. Cell Tissue Kinet 11(5):487–96, Sep 78

ANIMAL/ BONE MARROW, cytology/ CELL DIVISION, drug effects/ COLONY-FORMING UNITS ASSAY/ ERYTHROCYTE COUNT/ HEMATOCRIT/ HEMATOPOIETIC STEM CELLS, cytology/ *HEMATOPOIETIC STEM CELLS, drug effects/ LEUKOCYTE COUNT/ MALE/ MICE/ SPLEEN, cytology/ *THYROID GLAND, DESICCATED, pharmacodynamics/ *THYROID HORMONES, pharmacodynamics

4113. **Vaden P:** Surgical treatment of polycystic ovaries in the dog (a case report). VM SAC 73(9):1160, Sep 78

ANIMAL/ CASE REPORT/ *DOG DISEASES, surgery/ DOGS/ FEMALE/ OVARIAN CYSTS, surgery/ *OVARIAN CYSTS, veterinary/ PREGNANCY

4114. **Vadodaria VP, Janakiraman K, Buch NC:** Thyroid activity in relation to reproductive performance of Surti buffalo heifers (Bubalus bubalis)--protein bound iodine. Indian J Exp Biol 16(9):986–8, Sep 78

ANIMAL/ *BUFFALOES, physiology/ ESTRUS/ FEMALE/ PROTEIN-BOUND IODINE TEST/ *REPRODUCTION/ THYROID FUNCTION TESTS/ *THYROID GLAND, physiology

4115. **Vague J, Favier G:** Hormones sexuelles et homosexualité. Probl Actuels Endocrinol Nutr (21):197–217, 1977 (92 ref.) **(Fre)**

ANIMAL/ BRAIN, embryology/ FEMALE/ GUINEA PIGS/ HERMAPHRODITISM, metabolism/ *HOMOSEXUALITY/ HOMOSEXUALITY, FEMALE/ HUMAN/ KLINEFELTER'S SYNDROME, metabolism/ LH, metabolism/ MALE/ PSEUDOHERMAPHRODITISM, metabolism/ RATS/ REVIEW/ SEX DIFFERENTIATION/ *SEX HORMONES, metabolism/ SOMATOTYPES/ TESTOSTERONE, metabolism/ TURNER'S SYNDROME, metabolism/ TWINS, DIZYGOTIC/ TWINS, MONOZYGOTIC

4116. **Vaidya AB, Lasfargues EY, Sheffield JB, et al:** Murine mammary tumor virus (MuMTV) infection of an epithelial cell line established from C57BL/6 mouse mammary glands. Virology 90(1):12–22, 1 Oct 78

BASE SEQUENCE/ CELL LINE/ DEXAMETHASONE, pharmacodynamics/ DNA, analysis/ DNA, VIRAL, analysis/ EPITHELIUM, microbiology/ MAMMAE/ MAMMARY CANCER VIRUS, analysis/ *MAMMARY CANCER VIRUS, growth & development/ MICE/ MICE, INBRED C57BL/ RNA, VIRAL, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VIRUS REPLICATION

4117. **Vakharia DD, Rao SS:** Serum HPL in normal and high risk pregnancy by haemagglutination inhibition test. Indian J Med Res 68:272–8, Aug 78

FEMALE/ HEMAGGLUTINATION INHIBITION TESTS/ HUMAN/ *PLACENTAL LACTOGEN, blood/ *PREGNANCY COMPLICATIONS, blood/

*PREGNANCY

4118. **Vakhnina DA, Baĭdala VA, Iakovleva EB:** Dinamika ékskretsii 17-oksikortikosteroidov i vodno-solevoĭ gomeostaz pri toksikoze vtoroĭ poloviny beremennosti.
Akush Ginekol (Mosk) (11):26-8, Nov 78 (Eng. Abstr.) **(Rus)**
COMPARATIVE STUDY/ ENGLISH ABSTRACT/ EXTRACELLULAR SPACE, metabolism/ FEMALE/ FREE RADICALS/ *HOMEOSTASIS/ HUMAN/ *PREGNANCY TOXEMIAS, urine/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ *WATER-ELECTROLYTE IMBALANCE, urine/ *17-HYDROXYCORTICOSTEROIDS, urine

4119. **Vakili C, Azizi MR, Fatourechi V:** Distribution of nodules in thyroid lobes. Pahlavi Med J 9(3):289-95, Jul 78
ADULT/ AGED/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ *THYROID GLAND, pathology/ *THYROID NEOPLASMS, pathology

4120. **Vakulin GM, Gizatulin ZIa, Shorin IuP, et al:** Izmeneniia ul'trastrukturnykh i funktsional'nykh parametrov kletok kory nadpochechnikov krys v dinamike reparativnoĭ regeneratsii.
Tsitol Genet 12(5):402-8, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ADRENAL CORTEX HORMONES, metabolism/ ADRENAL CORTEX, metabolism/ *ADRENAL CORTEX, ultrastructure/ ADRENALECTOMY/ ANIMAL/ ENGLISH ABSTRACT/ MALE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, ultrastructure/ RATS/ *REGENERATION

4121. **Valentine AS, Steckel S, Weintraub M:** Pain relief for cancer patients. Am J Nurs 78(12):2054-6, Dec 78
ALCOHOL, ETHYL, therapeutic use/ CHLOROFORM, therapeutic use/ CLINICAL RESEARCH/ COCAINE, therapeutic use/ COMPARATIVE STUDY/ DEXTROTHYROXINE, therapeutic use/ DRUG COMBINATIONS, therapeutic use/ DRUG EVALUATION/ HUMAN/ METHADONE, therapeutic use/ *NEOPLASMS, complications/ *PAIN, INTRACTABLE, drug therapy/ PAIN, INTRACTABLE, etiology/ PHENOTHIAZINES, therapeutic use

4122. **Vallancien G:** La fonction rénale foetale. Revue de la littérature.
J Urol Nephrol (Paris) 84(6):409-14, Jun 78 (42 ref.) (Eng. Abstr.) **(Fre)**
ACID-BASE EQUILIBRIUM/ ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, physiology/ HOMEOSTASIS/ HUMAN/ KIDNEY GLOMERULUS, embryology/ KIDNEY GLOMERULUS, physiology/ KIDNEY TUBULES, embryology/ KIDNEY TUBULES, physiology/ *KIDNEY, embryology/ MATERNAL-FETAL EXCHANGE/ PLACENTA, physiology/ PREGNANCY/ REVIEW/ WATER-ELECTROLYTE BALANCE

4123. **Valle LB, Oliveira-Filho RM, Villa N, et al:** Rate recovery of extrahepatic cholesterol levels after chronic treatment with diazacholestanol. Arch Farmacol Toxicol 4(2):265-72, Aug 78
ANIMAL/ AZASTEROIDS, metabolism/ *AZASTEROIDS, therapeutic use/ BODY WEIGHT, drug effects/ CHOLESTANOLS, metabolism/ *CHOLESTANOLS, therapeutic use/ CHOLESTEROL, analysis/ *CHOLESTEROL, biosynthesis/ *HYPOTHYROIDISM, metabolism/ RATS/ *STEROIDS, HETEROCYCLIC, therapeutic use

4124. **Vallet-Strouve C, Mowszowicz I:** Myometrial cells in primary culture: characterization and hormonal profile.
Mol Cell Endocrinol 12(1):97-110, Oct 78
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ CATTLE/ CELL DIVISION/ CELLS, CULTURED/ ENDOMETRIUM, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ MICROSCOPY, ELECTRON/ MUSCLE PROTEINS, biosynthesis/ MYOMETRIUM, drug effects/ *MYOMETRIUM, metabolism/ MYOMETRIUM, ultrastructure/ SUBCELLULAR FRACTIONS, metabolism/ SUBCELLULAR FRACTIONS, ultrastructure/ *UTERUS, metabolism

4125. **Valls E, Herrera E, Díaz M, et al:** Modificaciones de la insulina y de la hormona del crecimiento plasmáticas, inducidas por triglicéridos de cadena media (MCT). An Esp Pediatr 11(10):675-82, Oct 78 (Eng. Abstr.) **(Spa)**
ADMINISTRATION, ORAL/ *BLOOD SUGAR/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ *FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ HUMAN/ *INSULIN, blood/ INTESTINAL ABSORPTION, drug effects/ *KETONE BODIES, blood/ *LIVER, metabolism/ MALE/ *SOMATOTROPIN, blood/ *TRIGLYCERIDES, administration & dosage/ TRIGLYCERIDES, metabolism

4126. **Valtonen EJ:** Double acting betamethasone (Celestone Chronodose) in the treatment of supraspinatus tendinitis: a comparison of subacromial and gluteal single injections with placebo. J Int Med Res 6(6):463-7, 1978
ADULT/ AGED/ *BETAMETHASONE, administration & dosage/ BETAMETHASONE, adverse effects/ BUTTOCKS/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INJECTIONS/ INJECTIONS, INTRAMUSCULAR/ MALE/ MIDDLE AGE/ PAIN/ PLACEBOS/ *SHOULDER/ TENDINITIS, diagnosis/ *TENDINITIS, drug therapy

4127. **van Alphen GW, Dutilh CE, de Deckere EA:** The high yield of prostacyclin biosynthesis by the iris and its effects on the intraocular muscles. Prostaglandins Med 1(2):151-7, Aug 78
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ CATS/ *CILIARY BODY, drug effects/ CILIARY BODY, metabolism/ IN VITRO/ *IRIS, metabolism/ *MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, biosynthesis/ *PUPIL, drug effects/ RABBITS/ THROMBOXANE A2, pharmacodynamics

4128. **Van Assche FA, Aerts L, De Prins F:** A morphological study of the endocrine pancreas in human pregnancy.
Br J Obstet Gynaecol 85(11):818-20, Nov 78
ADOLESCENCE/ ADULT/ CHORIOCARCINOMA, pathology/ FEMALE/ HUMAN/ HYPERPLASIA, pathology/ *ISLANDS OF LANGERHANS, cytology/ ISLANDS OF LANGERHANS, pathology/ *PREGNANCY/ UTERINE NEOPLASMS, pathology

4129. **van Buul S, Van den Brande J:** The Snell-dwarfmouse. I. General growth pattern, before and during growth hormone and thyroxine therapy. Acta Endocrinol (Copenh) 89(4):632-45, Dec 78
AGE FACTORS/ ANIMAL/ BODY WEIGHT, drug effects/ *DWARFISM/ FEMALE/ MALE/ MICE/ *MICE, INBRED STRAINS, growth & development/ *SOMATOTROPIN, pharmacodynamics/ *THYROXINE, pharmacodynamics/ TIME FACTORS

4130. **van Buul S, Van den Brande JL:** The Snell-dwarfmouse. II. Sulphate and thymidine incorporation in costal cartilage and somatomedin levels before and during growth hormone and thyroxine therapy. Acta Endocrinol (Copenh) 89(4):646-58, Dec 78
AGE FACTORS/ ANIMAL/ BLOOD/ CARTILAGE, growth & development/ *CARTILAGE, metabolism/ CULTURE MEDIA/ *DWARFISM/ DWARFISM, metabolism/ FEMALE/ MALE/ MICE/ *MICE, INBRED STRAINS, growth & development/ MUSCLES, metabolism/ *SOMATOMEDIN, blood/ *SOMATOTROPIN, pharmacodynamics/ SULFATES, metabolism/ THYMIDINE, metabolism/ *THYROXINE, pharmacodynamics/ TIME FACTORS

4131. **van Calker D, Müller M, Hamprecht B:** Adenosine inhibits the accumulation of cyclic AMP in cultured brain cells.
Nature 276(5690):839-41, 21--28 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE, pharmacodynamics/ *BRAIN, metabolism/ CELLS, CULTURED/ ISOPROTERENOL, antagonists & inhibitors/ *NEUROGLIA, metabolism/ RECEPTORS, ADRENERGIC, BETA, metabolism/ RECEPTORS, DRUG, drug effects/ STRUCTURE-ACTIVITY RELATIONSHIP

4132. **van den Berg AP, Noordhoek J, Koopman-Kool E:** The relation between the sex-dependency of type I binding of ethylmorphine and the 1-butanol-induced spectral change in mouse liver microsomes. Biochem Pharmacol 28(1):31-6, 1979
AGING/ *ALCOHOLS, BUTYL, metabolism/

ALCOHOLS, BUTYL, pharmacodynamics/ ANIMAL/ *ETHYLMORPHINE, metabolism/ FEMALE/ IN VITRO/ LIGHT/ MALE/ MICE/ MICROSOMES, LIVER, drug effects/ *MICROSOMES, LIVER, metabolism/ *MORPHINE DERIVATIVES, metabolism/ *SEX FACTORS/ SPECTROPHOTOMETRY/ SPECTROPHOTOMETRY, ULTRAVIOLET/ TESTOSTERONE, pharmacodynamics

4133. **Vanden Driessche R, Piron-Bossuyt C, Bossuyt A, et al:** Radioimmunologische bepaling van oxytocine in menselijk plasma. Verh K Acad Geneeskd Belg 40(3):131-48, 1978 (Eng. Abstr.) **(Dut)**
ANTIBODIES, isolation & purification/ ENGLISH ABSTRACT/ FEMALE/ FETAL BLOOD, analysis/ HUMAN/ LACTATION/ *OXYTOCIN, blood/ OXYTOCIN, immunology/ PREGNANCY/ RADIOIMMUNOASSAY, methods

4134. **Vandenburg MJ, Sharman VL, Marsh FP, et al:** Prolonged treatment of high-renin hypertension with a converting enzyme inhibitor. Br Med J 2(6141):866, 23 Sep 78
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERTENSION, RENAL, drug therapy/ *OLIGOPEPTIDES, therapeutic use/ *RENIN, blood/ SQ 20881, administration & dosage/ *SQ 20881, therapeutic use

4135. **van der Berg C:** Dangers of indirect data [letter] Am J Psychiatry 135(12):1569-70, Dec 78
ENDORPHINS, analysis/ HUMAN/ PERIODICALS, standards/ *RESEARCH DESIGN, standards/ SCHIZOPHRENIA, blood/ *SCHIZOPHRENIA, familial & genetic

4136. **van der Schoot P, Lincoln DW, Clark JS:** Activation of hypothalamic neuronal activity by the electrolytic deposition of iron into the preoptic area. J Endocrinol 79(1):107-20, Oct 78
ACTION POTENTIALS, drug effects/ ANIMAL/ ELECTRIC STIMULATION/ ELECTROCHEMISTRY/ ELECTROENCEPHALOGRAPHY/ FEMALE/ *HYPOTHALAMUS, physiology/ HYPOTHALAMUS, ANTERIOR, drug effects/ *HYPOTHALAMUS, ANTERIOR, physiology/ *IRON, pharmacodynamics/ LH, blood/ NEURONS, drug effects/ NEURONS, physiology/ OVULATION, drug effects/ PREOPTIC AREA, drug effects/ *PREOPTIC AREA, physiology/ PROESTRUS/ RATS

4137. **Vanderhoek JY, Lands WE:** Evidence for H2O2 mediating the irreversible action of acetylenic inhibitors of prostaglandin biosynthesis. Prostaglandins Med 1(3):251-63, Sep 78
*ACETYLENE, analogs & derivatives/ ACETYLENE, pharmacodynamics/ ANIMAL/ ARACHIDONIC ACIDS, metabolism/ CATALASE, metabolism/ CYTOCHROME C, metabolism/ EPINEPHRINE, metabolism/ *FATTY ACIDS, pharmacodynamics/ *HYDROGEN PEROXIDE, metabolism/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION, drug effects/ PROSTAGLANDIN SYNTHASE, metabolism/ *PROSTAGLANDINS, biosynthesis/ SHEEP/ UNITED STATES GOV'T SUPPORTED

4138. **VanderLaan WP, Larson BA:** The thyroid, prolactin, and breast cancer [editorial] Arch Intern Med 138(11):1611-2, Nov 78
ANIMAL/ *BREAST NEOPLASMS, etiology/ HUMAN/ MICE/ PROLACTIN, physiology/ RATS/ *THYROID GLAND, physiopathology/ THYROTROPIN, adverse effects/ THYROXINE, adverse effects

4139. **Vandermeers A, Robberecht P, Vandermeers-Piret MC, et al:** Specific binding of the calcium-dependent regulation protein to brain membranes from the guinea pig. Biochem Biophys Res Commun 84(4):1076-81, 30 Oct 78
ADENYL CYCLASE, metabolism/ ANIMAL/ *BRAIN, metabolism/ CALCIUM, pharmacodynamics/ *CALCIUM-DEPENDENT REGULATOR, metabolism/ *CARRIER PROTEINS, metabolism/ CATTLE/ CELL MEMBRANE, metabolism/ GUINEA PIGS/ KINETICS/ MAGNESIUM, pharmacodynamics/ PANCREAS/ PROTEIN BINDING/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4140. **Vandeweghe M, Braxel K, Schutyser J, et al:** A case of multiple endocrine adenomatosis with primary amenorrhoea. Postgrad Med J 54(635):618-22, Sep 78
*ADENOMATOSIS, FAMILIAL ENDOCRINE, complications/ ADULT/ *AMENORRHEA, etiology/ CASE REPORT/ FEMALE/ HUMAN/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, secretion

4141. **van Dijk H, Jacobse-Geels HE:** Evidence for the involvement of corticosterone in the ontogeny of the cellular immune apparatus of the mouse. Immunology 35(4):637-42, Oct 78
ADRENAL GLANDS, anatomy & histology/ ADRENALECTOMY/ AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL/ *CORTICOSTERONE, physiology/ HYPERSENSITIVITY, DELAYED, immunology/ *IMMUNITY, CELLULAR/ IMMUNITY, CELLULAR, drug effects/ LEUKOCYTE COUNT/ LYMPHOID TISSUE, anatomy & histology/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN WEIGHT, drug effects/ T-LYMPHOCYTES, immunology

4142. **Van Doorn EJ, Burns B, Wood D, et al:** In vivo metabolism of 3H-dihydrotestosterone and 3H-androstanediol in adult male rats. J Steroid Biochem 6(11-12):1549-54, Nov-Dec 75
*ANDROSTANEDIOL, metabolism/ *ANDROSTANES, metabolism/ ANIMAL/ COMPARATIVE STUDY/ EPIDIDYMIS, metabolism/ MALE/ PROSTATE, metabolism/ RATS/ SEMINAL VESICLES, metabolism/ *STANOLONE, metabolism/ TISSUE DISTRIBUTION

4143. **Vandoren G, Heyns W, Verhoeven G, et al:** Sexual difference in the effect of cyproterone acetate and glucocorticoids on alpha2u-globulin in gonadectomized rats. J Endocrinol 79(1):135-6, Oct 78
*ALPHA GLOBULINS, biosynthesis/ ANIMAL/ CASTRATION/ *CYPROTERONE, pharmacodynamics/ *DEXAMETHASONE, pharmacodynamics/ FEMALE/ MALE/ RATS/ *SEX/ TESTOSTERONE, pharmacodynamics

4144. **Vaneeva LI, Tsvetkova NV:** K voprosu o sozdanii iskusstvennykh antigenov. Zh Mikrobiol Epidemiol Immunobiol (11):13-20, Nov 78 (43 ref.) **(Rus)**
AMINO ACIDS, immunology/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ ANTIGENS, BACTERIAL, immunology/ CHEMISTRY/ COMPARATIVE STUDY/ DINITROFLUOROBENZENE, immunology/ DIPHTHERIA TOXIN, immunology/ GUINEA PIGS, immunology/ LIPOPOLYSACCHARIDES, immunology/ MOLECULAR WEIGHT/ MURAMIDASE, immunology/ MYOGLOBIN, immunology/ PEPTIDES, immunology/ POLYMERS, immunology/ RABBITS, immunology/ REVIEW/ SALMONELLA, immunology/ SPECIES SPECIFICITY/ STEROIDS, immunology

4145. **Vanhems E, Bousquet J, Lestage J:** Etude histoenzymologique d'ovaires dysgénésiques de rattes. Enzymes du métabolisme general. Cell Mol Biol 23(2):171-7, 1978 (Eng. Abstr.) **(Fre)**
*ABNORMALITIES, DRUG-INDUCED, enzymology/ ABNORMALITIES, DRUG-INDUCED, etiology/ ANIMAL/ BUSULFAN, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HISTOCYTOCHEMISTRY/ *OVARY, abnormalities/ OVARY, enzymology/ RATS

4146. **van Kammen DP, Docherty JP, Marder SR, et al:** d-Amphetamine raises serum prolactin in man: evaluations after chronic placebo, lithium and pimozide treatment. Life Sci 23(14):1487-92, 9 Oct 78
CLINICAL RESEARCH/ *DEXTROAMPHETAMINE, pharmacodynamics/ DOUBLE-BLIND METHOD/ HUMAN/ *LITHIUM, pharmacodynamics/ LITHIUM, therapeutic use/ *PIMOZIDE, pharmacodynamics/ PIMOZIDE, therapeutic use/ *PROLACTIN, blood/ SCHIZOPHRENIA, drug therapy

4147. **van Leeuwen FW, Swaab DF, de Raay C:** Immunoelectronmicroscopic localization of vasopressin in the rat suprachiasmatic nucleus. Cell Tissue Res 193(1):1-10, 6 Oct 78

ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ CYTOPLASMIC GRANULES, analysis/ CYTOPLASMIC GRANULES, ultrastructure/ *HYPOTHALAMUS, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ NERVE FIBERS, ultrastructure/ NEURONS, ultrastructure/ NEUROSECRETION/ RATS/ *VASOPRESSINS, isolation & purification

4148. **Van Loon GR, De Souza EB:** Development of tolerance to the ACTH-releasing effects of beta-endorphin. Res Commun Chem Pathol Pharmacol 22(1):203–4, Oct 78
ANIMAL/ *CORTICOTROPIN, blood/ DRUG TOLERANCE/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/ MALE/ NALOXONE, pharmacodynamics/ RATS

4149. **van Nagell JR Jr, Donaldson ES, Wood EG, et al:** The clinical significance of carcinoembryonic antigen in the plasma and tumors of patients with gynecologic malignancies. Cancer 42(3 Suppl):1527–32, Sep 78 (23 ref.)
ADENOCARCINOMA, metabolism/ ADENOCARCINOMA, surgery/ *CARCINOEMBRYONIC ANTIGEN/ CERVIX NEOPLASMS, metabolism/ CERVIX NEOPLASMS, surgery/ FEMALE/ GEL DIFFUSION TESTS/ *GENITAL NEOPLASMS, FEMALE, metabolism/ GENITAL NEOPLASMS, FEMALE, surgery/ HUMAN/ IMMUNOELECTROPHORESIS/ IMMUNOENZYME TECHNICS/ NEOPLASM RECURRENCE, LOCAL/ OVARIAN NEOPLASMS, metabolism/ OVARIAN NEOPLASMS, surgery/ REVIEW/ UTERINE NEOPLASMS, metabolism/ UTERINE NEOPLASMS, surgery

4150. **van Paassen HC, Poortman J, Borgart-Creutzburg IH, et al:** Oestrogen binding proteins in bone cell cytosol. Calcif Tissue Res 25(3):249–54, 18 Aug 78
ANIMAL/ *BONE AND BONES, metabolism/ BREAST NEOPLASMS, metabolism/ *CYTOSOL, metabolism/ ESTRADIOL ANTAGONISTS, metabolism/ *ESTRADIOL, metabolism/ FEMALE/ FETUS, metabolism/ IN VITRO/ MYOMETRIUM, metabolism/ PREGNANCY/ RABBITS/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ SEX FACTORS

4151. **van Praag HM:** New evidence of serotonin-deficient depressions. pp. 9–16.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
ADULT/ AGED/ CHLORIMIPRAMINE, therapeutic use/ DEPRESSION, cerebrospinal fluid/ DEPRESSION, drug therapy/ *DEPRESSION, metabolism/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ METHOXYHYDROXYPHENYLGLYCOL, cerebrospinal fluid/ MIDDLE AGE/ MONOGRAPH/ NOREPINEPHRINE, metabolism/ NORTRIPTYLINE, therapeutic use/ PROBENECID, diagnostic use/ PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/ *SEROTONIN, deficiency

4152. **Van Thiel DH, McClain CJ, Elson MK, et al:** Evidence for autonomous secretion of prolactin in some alcoholic men with cirrhosis and gynecomastia. Metabolism 27(12):1778–84, Dec 78
*GYNECOMASTIA, blood/ GYNECOMASTIA, etiology/ HUMAN/ *LIVER CIRRHOSIS, ALCOHOLIC, blood/ LIVER CIRRHOSIS, ALCOHOLIC, complications/ MALE/ *PROLACTIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4153. **van Wimersma Greidanus TB, van Dijk AM, de Rotte AA, et al:** Involvement of ACTH and MSH in active and passive avoidance behavior. Brain Res Bull 3(3):227–30, May-Jun 78
ANIMAL/ *AVOIDANCE LEARNING, physiology/ CORTICOTROPIN, immunology/ *CORTICOTROPIN, physiology/ IMMUNE SERUMS, administration & dosage/ INJECTIONS, INTRAVENTRICULAR/ MALE/ MSH, immunology/ *MSH, physiology/ RATS/ RATS, INBRED STRAINS/ RETENTION (PSYCHOLOGY), physiology

4154. **Van Winkle WB, Entman ML, Bornet EP, et al:** Morphological and biochemical correlates of skeletal muscle contractility in the cat. II. Physiological and biochemical studies. J Cell Physiol 97(1):121–35, Oct 78
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ CALCIUM, metabolism/ CATS/ COMPARATIVE STUDY/ FEMALE/ GLYCOGEN, metabolism/ HINDLIMB/ MALE/ *MUSCLE CONTRACTION/ MUSCLES, analysis/ MUSCLES, metabolism/ *MUSCLES, physiology/ MYOSIN, analysis/ SARCOPLASMIC RETICULUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4155. **Varanasi U, Gmur DJ:** Influence of water-borne and dietary calcium on uptake and retention of lead by coho salmon (Oncorhynchus kisutch). Toxicol Appl Pharmacol 46(1):65–75, Oct 78
ANIMAL/ CALCIUM, metabolism/ *CALCIUM, pharmacodynamics/ CALCIUM, DIETARY/ COMPARATIVE STUDY/ *LEAD, metabolism/ LEAD, toxicity/ SALMON/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED

4156. **Varet B, Casadevall N, Etevenaux J, et al:** Erythroblastopénie après thymectomie. Guérison après traitement par la cylophosphamide. Ann Med Interne (Paris) 129(8–9):509–13, Aug-Sep 78 **(Fre)**
AGED/ *ANEMIA, APLASTIC, drug therapy/ ANEMIA, APLASTIC, etiology/ CASE REPORT/ *CYCLOPHOSPHAMIDE, therapeutic use/ ERYTHROBLASTS/ FEMALE/ HUMAN/ THYMECTOMY, adverse effects/ *THYMOMA, complications/ THYMOMA, surgery/ *THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, surgery

4157. **Varga G, Krizsa F, Vezendi K, et al:** Hodgkin-kóros betegek kezelésének ötéves tapasztalatai. Orv Hetil 119(47):2881–8, 19 Nov 78 **(Hun)**
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CYCLOPHOSPHAMIDE, administration & dosage/ DRUG THERAPY, COMBINATION/ *HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, mortality/ HUMAN/ MIDDLE AGE/ NEOPLASM STAGING/ PREDNISOLONE, administration & dosage/ PROCARBAZINE, administration & dosage/ PROGNOSIS/ VINCRISTINE, administration & dosage

4158. **Varma SK, Collins M, Row A, et al:** Thyroxine, tri-iodothyronine, and reverse tri-iodothyronine concentrations in human milk. J Pediatr 93(5):803–6, Nov 78
FEMALE/ HUMAN/ INFANT, NEWBORN/ *MILK, HUMAN, metabolism/ PREGNANCY/ *THYROXINE, metabolism/ *TRIIODOTHYRONINE, metabolism/ *TRIIODOTHYRONINE, REVERSE, metabolism

4159. **Vasey H:** Antibiothérapie prophylactique en chirurgie de l'appareil moteur. Helv Chir Acta 45(4–5):497–504, Dec 78 (Eng. Abstr.) **(Fre)**
*ANTIBIOTICS, therapeutic use/ *BACTERIAL INFECTIONS, prevention & control/ *BONE AND BONES, surgery/ ENGLISH ABSTRACT/ HUMAN/ *SURGICAL WOUND INFECTION, prevention & control

4160. **Vasilescu C, Bucur G, Petrovici A, et al:** Myasthenia in patients with dermatomyositis: clinical, electrophysiological and ultrastructural studies. J Neurol Sci 38(2):129–44, Sep 78
ADOLESCENCE/ ADULT/ BIOPSY/ CASE REPORT/ DERMATOMYOSITIS, drug therapy/ DERMATOMYOSITIS, pathology/ *DERMATOMYOSITIS, physiopathology/ *ELECTROMYOGRAPHY/ EVOKED POTENTIALS, drug effects/ FATIGUE, physiopathology/ FEMALE/ GLYCOGEN, metabolism/ GUANIDINES, administration & dosage/ HUMAN/ MALE/ MIDDLE AGE/ MUSCLE CONTRACTION, drug effects/ *MUSCLES, ultrastructure/ MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, pathology/ *MYASTHENIA GRAVIS, physiopathology/ NEOSTIGMINE, administration & dosage/ NEURAL TRANSMISSION, drug effects/ PREDNISONE, administration & dosage/ *ULNAR NERVE, physiopathology

4161. **Vasinca M, Lazarov E:** Exoftalmie pulsatilă şi sindrom de virf de orbită posttraumatic. Rev Chir [Oftalmol] 22(3):229–32,

Jul-Sep 78 (Eng. Abstr.) **(Rum)**
ADULT/ ARTERIOVENOUS FISTULA, complications/ BRAIN INJURIES, ACUTE, complications/ CASE REPORT/ *CEREBROVASCULAR DISORDERS, complications/ ENGLISH ABSTRACT/ *EXOPHTHALMOS, etiology/ FEMALE/ *HEAD INJURIES, complications/ HEMATOMA, complications/ HUMAN/ *ORBIT, injuries

4162. **Vasiukova EA, Margolis MG, Mal'kovich VK:** Bolezn' i sindrom Itsenko-Kushinga. Ter Arkh 50(11):131-7, 1978 (45 ref.) **(Rus)**
ADULT/ BLOOD PRESSURE/ *CUSHING'S SYNDROME/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, physiopathology/ CUSHING'S SYNDROME, therapy/ DIABETES MELLITUS, etiology/ FEMALE/ GLAUCOMA, etiology/ HUMAN/ HYPERTENSION, etiology/ IMPOTENCE, etiology/ INTRAOCULAR PRESSURE/ ISLANDS OF LANGERHANS, physiopathology/ MALE/ MENSTRUATION DISORDERS, etiology/ OVARY, physiopathology/ REVIEW

4163. **Vasquez SB, Hurst DL, Sotos JF:** X-linked hypogonadism, gynecomastia, mental retardation, short stature, and obesity--a new syndrome. J Pediatr 94(1):56-60, Jan 79
ADULT/ AGED/ *BODY HEIGHT/ CASE REPORT/ CHILD, PRESCHOOL/ *GYNECOMASTIA, familial & genetic/ GYNECOMASTIA, pathology/ GYNECOMASTIA, physiopathology/ HUMAN/ *HYPOGONADISM, familial & genetic/ HYPOGONADISM, pathology/ HYPOGONADISM, physiopathology/ MALE/ *MENTAL RETARDATION, familial & genetic/ MENTAL RETARDATION, pathology/ MENTAL RETARDATION, physiopathology/ MIDDLE AGE/ *OBESITY, familial & genetic/ OBESITY, pathology/ OBESITY, physiopathology/ SYNDROME/ TESTIS, pathology

4164. **Vaughan M, Moss J:** Mechanism of action of choleragen. J Supramol Struct 8(4):473-88, 1978
*ADENYL CYCLASE, metabolism/ CALCIUM-DEPENDENT REGULATOR, metabolism/ CELL-FREE SYSTEM/ CHOLERA TOXIN, metabolism/ *CHOLERA TOXIN, pharmacodynamics/ ENTEROTOXINS, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ ESCHERICHIA COLI/ G(M1) GANGLIOSIDE, metabolism/ GUANOSINE TRIPHOSPHATE, metabolism/ NAD NUCLEOSIDASE, metabolism/ NAD, metabolism/ POLY ADP RIBOSE POLYMERASE, metabolism/ RECEPTORS, DRUG, metabolism

4165. **Vedernikova NN, Maĭskiĭ AI:** Analiz kriteriev spetsifichnosti deĭstviia polovykh gormonov na pechenochnuiu tkan'. Usp Sovrem Biol 86(2):283-92, Sep-Oct 78 (59 ref.) **(Rus)**
ANIMAL/ CELL NUCLEUS, drug effects/ CHICKENS, metabolism/ CHROMOSOMAL PROTEINS, NON-HISTONE, physiology/ CYTOPLASM, analysis/ DNA, metabolism/ ESTRADIOL, metabolism/ *LIVER, drug effects/ LIVER, metabolism/ LIVER, ultrastructure/ MALE/ PROTEINS, biosynthesis/ RATS/ RECEPTORS, ANDROGEN, analysis/ RECEPTORS, ESTROGEN, analysis/ RECEPTORS, HORMONE, analysis/ REVIEW/ RNA, metabolism/ *SEX HORMONES, pharmacodynamics/ TESTOSTERONE, pharmacodynamics

4166. **Vega-Franco L, de León González M, Díaz Luna P:** Concentración de la bilirrubina en la etapa neonatal en relación con el uso de anticonceptivos. Bol Med Hosp Infant Mex 36(1):1-7, Jan-Feb 79 (Eng. Abstr.) **(Spa)**
ANESTHESIA, OBSTETRICAL/ ANESTHETICS, adverse effects/ *BILIRUBIN, blood/ *BREAST FEEDING/ *CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERBILIRUBINEMIA, diagnosis/ *HYPERBILIRUBINEMIA, etiology/ INFANT, NEWBORN/ INJECTIONS, INTRAVENOUS/ MATERNAL AGE/ MATERNAL-FETAL EXCHANGE/ PARITY/ PREGNANCY

4167. **Velentzas C, Meindok H, Oreopoulos DG, et al:** Visceral calcification and the CaXP product. Adv Exp Med Biol 103:195-201, 1978
ADULT/ BONE AND BONES, radionuclide imaging/ *CALCINOSIS, blood/ CALCINOSIS, complications/ CALCINOSIS, radionuclide imaging/ *CALCIUM, blood/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ KIDNEY FAILURE, CHRONIC, complications/ LUNG, radionuclide imaging/ MALE/ NEOPLASMS, complications/ *PHOSPHORUS, blood/ STOMACH, radionuclide imaging

4168. **Venables GS, Bates D, Shaw DA:** Hypothyroidism with true myotonia. J Neurol Neurosurg Psychiatry 41(11):1013-5, Nov 78
ADULT/ CASE REPORT/ ELECTROMYOGRAPHY/ HUMAN/ *HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ MALE/ MYOTONIA, drug therapy/ *MYOTONIA, etiology/ THYROXINE, therapeutic use

4169. **Venables PH, Patterson T:** Speech perception and decision processes in relation to skin conductance and pupillographic measure in schizophrenia. J Psychiatr Res 14(1-4):183-90, 1978
ACETYLCHOLINE, metabolism/ ACOUSTIC STIMULATION/ AMYGDALOID BODY, physiopathology/ ATTENTION/ *DECISION MAKING, physiology/ *GALVANIC SKIN RESPONSE, physiology/ HABITUATION (PSYCHOPHYSIOLOGY)/ HIPPOCAMPUS, physiopathology/ HUMAN/ PHOTIC STIMULATION/ PSYCHOPHYSIOLOGY/ *REFLEX, PUPILLARY/ SCHIZOPHRENIA, metabolism/ *SCHIZOPHRENIA, physiopathology/ *SCHIZOPHRENIC PSYCHOLOGY/ *SPEECH PERCEPTION, physiology

4170. **Venetianer A, Arányi P, Bösze ZS, et al:** Sensitivity to glucocorticoids of lymph node cells stimulated in vivo by oxazolone. Scand J Immunol 8(4):355-62, 1978
ANIMAL/ ANTIGENS/ DEXAMETHASONE, metabolism/ *GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ *HYPERSENSITIVITY, DELAYED/ IMMUNIZATION/ IMMUNOLOGIC MEMORY, drug effects/ LYMPH NODES, cytology/ *LYMPH NODES, drug effects/ LYMPH NODES, metabolism/ MALE/ MICE/ ORGAN WEIGHT, drug effects/ *OXAZOLES, pharmacodynamics/ *OXAZOLONE, pharmacodynamics/ RECEPTORS, GLUCOCORTICOID

4171. **Venkatesh N, Polcyn RE, Norback DH:** Metastatic calcification: the role of bone scanning. Radiology 129(3):755-8, Dec 78
ADULT/ *BONE AND BONES, radionuclide imaging/ *CALCINOSIS, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, radionuclide imaging/ MALE/ MELANOMA, pathology/ MELANOMA, radionuclide imaging/ MIDDLE AGE/ NEOPLASM METASTASIS/ STOMACH NEOPLASMS, pathology/ STOMACH NEOPLASMS, radionuclide imaging/ TECHNETIUM, diagnostic use

4172. **Verjovski-Almeida S, Inesi G:** Fast-kinetic evidence for an activating effect of ATP on the Ca2+ transport of sarcoplasmic reticulum ATPase. J Biol Chem 254(1):18-21, 10 Jan 79
*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ *ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ ENZYME ACTIVATION/ KINETICS/ MUSCLES, enzymology/ RABBITS/ *SARCOPLASMIC RETICULUM, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4173. **Verma RS, Dosik H, Scharf T, et al:** Length heteromorphisms of fluorescent (f) and non-fluorescent (nf) segments of human Y chromosome: classification, frequencies, and incidence in normal Caucasians. J Med Genet 15(4):277-81, Aug 78
ADULT/ AGED/ CAUCASOID RACE/ CELLS, CULTURED/ CHROMOSOME BANDING/ *CHROMOSOMES, HUMAN, 19-20, ultrastructure/ HUMAN/ LYMPHOCYTES, ultrastructure/ MALE/ MIDDLE AGE/ NORMAL VALUES/ QUINACRINE/ *SEX CHROMOSOMES, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VARIATION (GENETICS)/

*Y CHROMOSOME, ultrastructure

4174. **Vermylen J:** Physiology of haemostasis. pp. 3–16. In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (42 ref.)
ADENOSINE DIPHOSPHATE, secretion/ *BLOOD PLATELETS, physiology/ BLOOD PLATELETS, secretion/ CYTOPLASMIC GRANULES, secretion/ FIBRIN, physiology/ FIBRINOLYSIS/ *HEMOSTASIS/ HUMAN/ MONOGRAPH/ PLATELET ADHESIVENESS/ PLATELET FACTOR 4, secretion/ REVIEW/ SEROTONIN, secretion/ SERUM GLOBULINS, secretion/ VASOCONSTRICTION/ VERTEBRATES

4175. **Vernon BG, Buttery PJ:** The effect of trenbolone acetate with time on the various responses of protein synthesis of the rat. Br J Nutr 40(3):563–72, Nov 78
AMINO ACIDS, blood/ ANIMAL/ BODY COMPOSITION, drug effects/ DEPRESSION, CHEMICAL/ DNA, biosynthesis/ *ESTRENES, pharmacodynamics/ FEMALE/ MUSCLES, metabolism/ ORGAN WEIGHT/ *PROTEINS, biosynthesis/ RATS/ RNA, biosynthesis/ TIME FACTORS/ *TRENBOLONE, pharmacodynamics/ WATER, metabolism

4176. **Vernon-Roberts B:** Synovial pathophysiology--diagnostic features and their standardisation. Aust NZ J Med 8 Suppl 1:16–9, 1978
*ARTHRITIS, RHEUMATOID, diagnosis/ ARTHRITIS, RHEUMATOID, pathology/ BONE AND BONES, pathology/ CARTILAGE, ARTICULAR, pathology/ HUMAN/ NOMENCLATURE/ *SYNOVIAL MEMBRANE, pathology

4177. **Verulashvili IV, Moiseeva EN:** Rentgenologicheskaia kartina turetskogo sedla i cherepa pri klimaktericheskom sindrome. Akush Ginekol (Mosk) (10):58–60, 1978 **(Rus)**
ADULT/ AGE FACTORS/ *CLIMACTERIC/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ MIDDLE AGE/ OVARY, physiopathology/ *SELLA TURCICA, radiography/ *SKULL, radiography/ SYNDROME

4178. **Veselský L, Dostál J:** Antigens of pig follicular fluid and ovarian tissue and the effect of anti-ovarian serum on pig oocytes and spermatozoa. Int J Fertil 23(2):143–7, 1978
ANIMAL/ ANTIBODIES/ ANTIGENIC DETERMINANTS/ *ANTIGENS/ CROSS REACTIONS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ *GRAAFIAN FOLLICLE, immunology/ HEMAGGLUTINATION INHIBITION TESTS/ IMMUNE SERUMS/ IMMUNOELECTROPHORESIS/ MALE/ *OOCYTES, immunology/ *OVARY, immunology/ *OVUM, immunology/ SEMEN, immunology/ *SPERMATOZOA, immunology/ SWINE

4179. **Vesely DL, Lehotay DC, Levey GS:** Modulation of rat guanylate cyclase activity in vitro by chemical carcinogens. Enzyme 23(5):356–60, 1978
AFLATOXINS, pharmacodynamics/ AMINES, pharmacodynamics/ ANIMAL/ AZO COMPOUNDS, pharmacodynamics/ *CARCINOGENS, pharmacodynamics/ CHLOROMETHYL METHYL ETHER, pharmacodynamics/ DYES, pharmacodynamics/ *GUANYL CYCLASE, antagonists & inhibitors/ IN VITRO/ MALE/ NITROSAMINES, pharmacodynamics/ POLYCYCLIC HYDROCARBONS, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4180. **Vesely DL, Rovere LE, Levey GS:** Effect of hydrazine, isonicotinic acid hydrazide, hydrazine sulfate, and dimethylhydrazine on guanylate cyclase activity. Enzyme 23(5):289–94, 1978
ANIMAL/ *CARCINOGENS, pharmacodynamics/ DIMETHYLHYDRAZINES, pharmacodynamics/ GUANYL CYCLASE, antagonists & inhibitors/ *GUANYL CYCLASE, metabolism/ *HYDRAZINES, pharmacodynamics/ IN VITRO/ ISONIAZID, pharmacodynamics/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4181. **Vesely DL, Levey GS:** The effect of streptozotocin analogues on guanylate cyclase activity. Horm Metab Res 10(5):392–5, Sep 78
ANIMAL/ COLON, enzymology/ ENZYME ACTIVATION, drug effects/ *GUANYL CYCLASE, metabolism/ KIDNEY CORTEX, enzymology/ MALE/ RATS/ *STREPTOZOTOCIN, analogs & derivatives/ STREPTOZOTOCIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4182. **Vestergaard K, Willeberg P:** Video scanning for determination of the proportion of cortical tissue in the avian adrenal gland. Acta Vet Scand 19(3):331–40, 1978
*ADRENAL CORTEX, anatomy & histology/ *ADRENAL GLANDS, anatomy & histology/ ADRENAL MEDULLA, anatomy & histology/ ANALYSIS OF VARIANCE/ ANIMAL/ *CHICKENS, anatomy & histology/ COMPARATIVE STUDY/ COMPUTERS/ FEMALE/ *HISTOLOGICAL TECHNICS/ HISTOLOGICAL TECHNICS, instrumentation

4183. **Vetter H, Siebenschein R, Studer A, et al:** Primary aldosteronism: inability to differentiate unilateral from bilateral adrenal lesions by various routine clinical and laboratory data and by peripheral plasma aldosterone. Acta Endocrinol (Copenh) 89(4):710–25, Dec 78
*ADENOMA, diagnosis/ ADENOMA, secretion/ *ADRENAL CORTEX NEOPLASMS, diagnosis/ ADRENAL CORTEX NEOPLASMS, secretion/ ADRENAL CORTEX, pathology/ ADRENAL CORTEX, secretion/ ADULT/ *ALDOSTERONE, blood/ *CARCINOMA, diagnosis/ CARCINOMA, secretion/ CIRCADIAN RHYTHM/ CORTICOTROPIN, secretion/ DEXAMETHASONE, pharmacodynamics/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ FLUDROCORTISONE, pharmacodynamics/ GLUCURONATES, urine/ HUMAN/ HYDROCORTISONE, blood/ *HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, etiology/ HYPERALDOSTERONISM, metabolism/ HYPERPLASIA/ MALE/ MIDDLE AGE/ POSTURE/ POTASSIUM, metabolism/ RENIN, blood/ SODIUM CHLORIDE, pharmacodynamics/ SODIUM, metabolism

4184. **Videla LA:** Effect of acute ethanol administration on liver oxidative capacity in rats. Clin Sci Mol Med 55(4):341–7, Oct 78
ADRENALECTOMY/ ALCOHOL, ETHYL, antagonists & inhibitors/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ FEMALE/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ OXYGEN CONSUMPTION, drug effects/ RATS/ STIMULATION, CHEMICAL/ SYMPATHOLYTICS, pharmacodynamics/ THYROIDECTOMY

4185. **Vidic B, Kapur SP, Jenkins DP:** Estrogen and tracheal secretion: the effect of estrogen on the epithelial secretory cells of the rat trachea. Cytobiologie 18(1):10–21, Oct 78
ANIMAL/ CASTRATION/ CYTOPLASMIC GRANULES, ultrastructure/ EPITHELIUM, drug effects/ EPITHELIUM, secretion/ EPITHELIUM, ultrastructure/ *ESTRADIOL, pharmacodynamics/ FEMALE/ GLYCOPROTEINS, secretion/ HISTOCYTOCHEMISTRY/ RATS/ *TRACHEA, drug effects/ TRACHEA, secretion/ TRACHEA, ultrastructure

4186. **Vijayan E, Krulich L, McCann SM:** Stimulation of growth hormone release by intraventricular administration of 5HT or quipazine in unanesthetized male rats. Proc Soc Exp Biol Med 159(2):210–2, Nov 78
ANESTHESIA/ ANIMAL/ *BRAIN, metabolism/ COMPARATIVE STUDY/ INJECTIONS, INTRAVENTRICULAR/ MALE/ METHYSERGIDE, pharmacodynamics/ *QUINOLINES, metabolism/ *QUIPAZINE, metabolism/ RATS/ *RECEPTORS, SEROTONIN, metabolism/ *SEROTONIN, metabolism/ SOMATOTROPIN, blood/ *SOMATOTROPIN, secretion/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4187. **Vijayan E, Samson WK, McCann SM:** Effects of intraventricular injection of gastrin on release of LH, prolactin, TSH and GH in conscious ovariectomized rats. Life Sci 23(22):2225–32, 27 Nov 78
ANIMAL/ CASTRATION/ FEMALE/ GASTRINS, administration & dosage/ *GASTRINS,

pharmacodynamics/ IN VITRO/ INJECTIONS, INTRAVENOUS/ INJECTIONS, INTRAVENTRICULAR/ *LH, metabolism/ MALE/ *PROLACTIN, metabolism/ RADIOIMMUNOASSAY/ RATS/ *SOMATOTROPIN, metabolism/ *THYROTROPIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4188. **Vikhliaeva EM:** Sovremennye tendentsii v lechenii klimakticheskogo sindroma. Akush Ginekol (Mosk) (10):63–7, 1978 (0 ref.) **(Rus)**
ADRENAL CORTEX DISEASES, drug therapy/ AGE FACTORS/ *CLIMACTERIC, drug effects/ DIAGNOSIS, DIFFERENTIAL/ DIET THERAPY/ DRUG THERAPY, COMBINATION/ ESTROGENS, therapeutic use/ FEMALE/ FSH, blood/ GENITAL DISEASES, FEMALE, diagnosis/ HUMAN/ LH, blood/ MENOPAUSE/ MIDDLE AGE/ OVARY, physiology/ PHYSICAL THERAPY/ REVIEW/ SEASONS/ SYNDROME/ TRANQUILIZING AGENTS, MAJOR, therapeutic use

4189. **Vila A, Callis L, Fortuny G, et al:** Síndrome de Bartter. Aspectos fisiopatológicos. An Esp Pediatr 11(10):663–74, Oct 78 (Eng. Abstr.) **(Spa)**
ADULT/ BARTTER'S DISEASE, metabolism/ *BARTTER'S DISEASE, physiopathology/ CASE REPORT/ CELL MEMBRANE PERMEABILITY/ ENGLISH ABSTRACT/ ERYTHROCYTES, analysis/ *ERYTHROCYTES, metabolism/ FEMALE/ HUMAN/ *HYPERALDOSTERONISM, physiopathology/ *KIDNEY TUBULES, physiopathology/ KIDNEY TUBULES, DISTAL, metabolism/ *KIDNEY TUBULES, DISTAL, physiopathology/ MALE/ OSMOLAR CONCENTRATION/ POTASSIUM, metabolism/ SODIUM, analysis/ *SODIUM, metabolism

4190. **Vilchez-Martinez JA, Pedroza E, Coy DH, et al:** Effects of administration of a LH-RH inhibitory analogue on stages of the rat estrous cycle. Proc Soc Exp Biol Med 159(1):161–4, Oct 78
ANIMAL/ DIESTRUS, drug effects/ *ESTRUS, drug effects/ FEMALE/ LH, blood/ *LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, administration & dosage/ LH-FSH RELEASING HORMONE, pharmacodynamics/ OVULATION, drug effects/ PROGESTERONE, blood/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4191. **Villa N, Kulay L Jr, Doine AI:** Estudo bioquímico dos ácidos nucléicos da placenta e do fígado fetal e cariométrico das células gigantes trofoblásticas e dos hepatócitos fetais de Rattus norvegicus albinus, sob o efeito da 1-fenil-2,3-dimetil-5-pirazolona-4-metilamino-metanossulfa de sódio (Dipirona). Rev Bras Pesqui Med Biol 11(4–5):259–65, Oct 78 (Eng. Abstr.) **(Por)**
*AMINOPYRINE, analogs & derivatives/ ANIMAL/ *DIPYRONE, pharmacodynamics/ *DNA, metabolism/ ENGLISH ABSTRACT/ FEMALE/ *FETUS, metabolism/ KARYOMETRY/ LIVER, cytology/ *LIVER, metabolism/ *MATERNAL-FETAL EXCHANGE/ PLACENTA, cytology/ *PLACENTA, metabolism/ PREGNANCY/ RATS/ *RNA, metabolism

4192. **Vilpo JA, Videman T, Vilpo L:** An experimental model of osteogenesis: a closed in vivo culture system using diffusion chambers. Clin Orthop (135):291–4, Sep 78
ANIMAL/ AUTORADIOGRAPHY/ BONE AND BONES, metabolism/ CELLS, CULTURED/ DNA, biosynthesis/ FEMALE/ MALE/ MICE/ *MODELS, BIOLOGICAL/ *OSTEOGENESIS/ RADIUS, cytology

4193. **Vinceneux P, Kaplan G, Dore M:** Ischémies mésentérique et coronarienne aiguës précoces au cours du traitement du cancer de la prostate par les oestrogènes. A propos de deux cas. Ann Med Interne (Paris) 129(8–9):519–22, Aug-Sep 78 **(Fre)**
ACUTE DISEASE/ AGED/ BONE NEOPLASMS, drug therapy/ CASE REPORT/ *CORONARY DISEASE, chemically induced/ DIETHYLSTILBESTROL, adverse effects/ *ESTROGENS, adverse effects/ HUMAN/ *ISCHEMIA, chemically induced/ MALE/ *MESENTERIC ARTERIES/ NEOPLASM METASTASIS/ *PROSTATIC NEOPLASMS, drug therapy/ TIME FACTORS

4194. **Vissarionova VIa, Bondarev GI, Zemlianskaia TA:** O zashchitnom spetsificheski napravlennom deĭstvii nekotorykh veshchestv pri otravlenii nitrilom akrilovoĭ kisloty. Vopr Pitan (6):3–7, Nov-Dec 78 **(Rus)**
ACRYLONITRILE, metabolism/ *ACRYLONITRILE, poisoning/ ACRYLONITRILE, toxicity/ ANIMAL/ *ANTIDOTES, therapeutic use/ BIOTRANSFORMATION/ CYANIDES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ METABOLIC DETOXICATION, DRUG/ *NITRILES, poisoning/ *NUTRITION/ OCCUPATIONAL DISEASES, chemically induced/ OCCUPATIONAL DISEASES, prevention & control/ THIOCYANATES, metabolism

4195. **Vistnes LM, Ksander GA, Kosek J:** Effects of local instillation of triamcinolone on the capsules around silicone bag-gel prostheses in animals. Plast Reconstr Surg 62(5):739–50, Nov 78
ANIMAL/ FEMALE/ GELS/ INFLAMMATION, prevention & control/ MALE/ MUSCLES, surgery/ PRESSURE/ *PROSTHESIS/ RATS/ SILICONES/ SKIN, pathology/ SKIN, surgery/ TIME FACTORS/ *TRIAMCINOLONE ACETONIDE, administration & dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use

4196. **Vítová Z, Faladová L, Kopecký A, et al:** Bioelectric aktivity of the brain in hypopituitary dwarfism [proceedings] Act Nerv Super (Praha) 20(2):118–9, 1978
ADOLESCENCE/ ADULT/ *BRAIN, physiopathology/ CEREBRAL CORTEX, physiopathology/ CHILD/ CHILD, PRESCHOOL/ *DWARFISM, PITUITARY, physiopathology/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS/ HUMAN/ VISUAL PERCEPTION

4197. **Vittek J, Rappaport SC, Gordon GG, et al:** Cellular regulation of the metabolism of androgens in rat oral mucosa: I. Effect of medroxyprogesterone acetate (MPA) on the soluble supernatant (cytosol) activating microsomal delta4-3-ketosteroid-5alpha-reductase and 17beta-hydroxysteroid oxidoreductase enzyme systems. J Dent Res 57(11–12):1016–8, Nov-Dec 78
ANDROGENS, metabolism/ ANIMAL/ *CYTOSOL, physiology/ ENZYME ACTIVATION, drug effects/ *MEDROXYPROGESTERONE, pharmacodynamics/ *MICROSOMES, enzymology/ MOUTH MUCOSA, cytology/ *MOUTH MUCOSA, enzymology/ *OXIDOREDUCTASES, metabolism/ PROGESTATIONAL HORMONES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ *TESTOSTERONE 5-ALPHA-REDUCTASE, metabolism/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *17-HYDROXYSTEROID DEHYDROGENASES, metabolism

4198. **Vivas A, Celis ME:** New evidence that demonstrates that L-pro-L-leu-L-gly-NH2 might be the natural MIF. Acta Physiol Lat Am 27(4):177–82, 1977
ANIMAL/ COMPARATIVE STUDY/ FEMALE/ MALE/ *MIGRATION INHIBITORY FACTOR/ MSH RELEASE INHIBITING HORMONE, antagonists & inhibitors/ *MSH RELEASE INHIBITING HORMONE, secretion/ MSH RELEASING HORMONE, antagonists & inhibitors/ *MSH RELEASING HORMONE, secretion/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, physiology/ RATS/ STIMULATION, CHEMICAL

4199. **Vlachakis ND, DeQuattro V:** A simple and specific radioenzymatic assay for measurement of urinary normetanephrine. Biochem Med 20(1):107–14, Aug 78
ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLANDS, enzymology/ ADULT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *NORMETANEPHRINE, urine/ *PHENETHANOLAMINE N-METHYLTRANSFERASE/ PHEOCHROMOCYTOMA, diagnosis/ S-ADENOSYLMETHIONINE

4200. **Vlahos L, Benakis V, Kotoulas K, et al:** An unusual case of sarcoidosis. ROEFO 129(5):652–4, Nov 78
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/

FEMALE/ HUMAN/ INGUINAL CANAL/ *LUNG DISEASES, radiography/ LYMPH NODES, pathology/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SARCOIDOSIS, drug therapy/ SARCOIDOSIS, pathology/ *SARCOIDOSIS, radiography

4201. **Vlaskovska MV:** On the mechanism of the anti-inflammatory action of the newly-synthesized benzoylpyrazolone derivatives. Acta Physiol Pharmacol Bulg 4(1):49-54, 1978
ANIMAL/ *ANTI-INFLAMMATORY AGENTS/ CELL MOVEMENT, drug effects/ CHICKENS/ IN VITRO/ LEUKOCYTES, drug effects/ MALE/ PROSTAGLANDINS, biosynthesis/ *PYRAZOLES, pharmacodynamics/ RATS

4202. **Voelter W, Klingler W, Göbel P, et al:** Hypothalamus-Regulationshormone. Med Welt 29(44):1728-30, 3 Nov 78 **(Ger)**
HUMAN/ *HYPOTHALAMIC HORMONES, metabolism/ *HYPOTHALAMUS, metabolism

4203. **Vogel H, Löhr H, Wallbaum F:** Strahlenexposition und -risiko bei der Röntgendiagnostik des kindlichen Verdauungstraktes. Klin Paediatr 190(6):560-5, Nov 78 **(Ger)**
AGE FACTORS/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ CHILD, PRESCHOOL/ *DOSE-RESPONSE RELATIONSHIP, RADIATION/ *GASTROINTESTINAL SYSTEM, radiography/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ SKIN, radiation effects/ TESTIS, radiation effects

4204. **Voglmayr JK, White IG, Parks RP:** The fertilizing capacity of ram testicular spermatozoa, freshly collected and after storage in cauda epididymal fluid. Theriogenology 10(4):313-21, Oct 78
ANIMAL/ *EPIDIDYMIS/ *FERTILITY/ MALE/ PRESERVATION, BIOLOGICAL/ SHEEP/ *SPERMATOZOA, physiology/ *TESTIS

4205. **Voigt R, Klinger G, Stoll W, et al:** Isotopennephrographische Untersuchungen whrend der hormonalen Kontrazeption mit Depositon. Zentralbl Gynaekol 100(20):1338-42, 1978 (Eng. Abstr.) **(Ger)**
*CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, HORMONAL, administration & dosage/ *CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ ENGLISH ABSTRACT/ ESTROGENS, pharmacodynamics/ HUMAN/ *KIDNEY, drug effects/ *RADIOISOTOPE RENOGRAPHY

4206. **Vokrouhlická O, Horn V, Silinková-Málková E, et al:** K problematice 'osteoporózy' páteře. Cas Lek Cesk 117(38-39):1190-3, 29 Sep 78 (Eng. Abstr.) **(Cze)**
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ *OSTEOPOROSIS, diagnosis/ *SPINAL DISEASES, diagnosis

4207. **Volegova GM:** Dinamika urobilinurii pri virusnom gepatite i ee sviaz' s funktsional'nym sostoianiem pochek. Sov Med (10):75-8, Oct 78 (Eng. Abstr.) **(Rus)**
ACUTE DISEASE/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ HEPATITIS, VIRAL, HUMAN, drug therapy/ HEPATITIS, VIRAL, HUMAN, physiopathology/ *HEPATITIS, VIRAL, HUMAN, urine/ HUMAN/ *KIDNEY, physiopathology/ MALE/ MIDDLE AGE/ STIMULATION, CHEMICAL/ *UROBILIN, urine

4208. **Volkman PH, Lorens SA, Kindel GH, et al:** L-5-Hydroxytryptophan-induced myoclonus in guinea pigs: a model for the study of central serotonin-dopamine interactions. Neuropharmacology 17(11):947-55, Nov 78
ANIMAL/ *DOPAMINE, physiology/ FEMALE/ GUINEA PIGS/ *HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ MODELS, BIOLOGICAL/ MYOCLONUS, chemically induced/ *MYOCLONUS, physiopathology/ RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, SEROTONIN, drug effects/ *SEROTONIN, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4209. **Volotovskiĭ ID, Finin VS, Konev SV:** Izmenenie aktivnosti membranno-sviazannoĭ atsetilkholinésterazy pri strukturnykh modifikatsiiakh, vyzvannykh tsAMF. Biofizika 23(6):1100-1, Nov-Dec 78 (Eng. Abstr.) **(Rus)**
*ACETYLCHOLINESTERASE, metabolism/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ALLOSTERIC SITE/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ ERYTHROCYTE MEMBRANE, drug effects/ *ERYTHROCYTE MEMBRANE, enzymology/ *ERYTHROCYTES, enzymology/ IN VITRO/ MOLECULAR CONFORMATION

4210. **Volpé R:** The pathology of thyroiditis. Hum Pathol 9(4):429-38, Jul 78
BACTERIAL INFECTIONS, pathology/ FEMALE/ HUMAN/ MALE/ THYROID GLAND, pathology/ THYROID GLAND, ultrastructure/ THYROIDITIS, etiology/ *THYROIDITIS, pathology/ THYROIDITIS, LYMPHOMATOUS, pathology

4211. **von Rottkay P, Lössl HJ, Böhm O:** Strahlentherapie des Prostatakarzinoms. Strahlentherapie 154(12):820-9, Dec 78 (Eng. Abstr.) **(Ger)**
AGED/ BONE AND BONES, radionuclide imaging/ CELL DIFFERENTIATION/ COBALT RADIOISOTOPES/ ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PROGNOSIS/ PROSTATIC NEOPLASMS, diagnosis/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, radionuclide imaging/ *PROSTATIC NEOPLASMS, radiotherapy/ RADIOISOTOPE TELETHERAPY/ RADIOTHERAPY DOSAGE/ RECTUM, radiation effects

4212. **von Schulthess G:** Kasuistischer Beitrag zur luetischen Gehörsstörung. HNO 26(11):374-6, Nov 78 **(Ger)**
ADULT/ CASE REPORT/ CORTISONE, therapeutic use/ HEARING LOSS, PARTIAL, drug therapy/ *HEARING LOSS, PARTIAL, etiology/ HUMAN/ MALE/ MIDDLE AGE/ PENICILLINS, therapeutic use/ *SYPHILIS, complications/ SYPHILIS, drug therapy/ TINNITUS, etiology

4213. **Voogt JL:** Control of hormone release during lactation. Clin Obstet Gynaecol 5(2):435-55, Aug 78 (108 ref.)
ANIMAL/ BREAST FEEDING/ CATTLE/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ FSH, physiology/ *HORMONES, physiology/ HUMAN/ HYDROCORTISONE, physiology/ INSULIN, physiology/ *LACTATION/ LACTATION, drug effects/ LH, physiology/ LH-FSH RELEASING HORMONE, physiology/ MATERNAL BEHAVIOR/ OXYTOCIN, physiology/ PITUITARY HORMONES, physiology/ PROLACTIN, physiology/ RATS/ REVIEW/ SEX HORMONES, physiology/ SOMATOTROPIN, physiology/ STRESS, PSYCHOLOGICAL, physiopathology/ THYROXINE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4214. **Vorherr H:** Thyroid disease in relation to breast cancer. Klin Wochenschr 56(23):1139-45, 1 Dec 78 (67 ref.)
ADULT/ BREAST NEOPLASMS, chemically induced/ BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, drug therapy/ *BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, prevention & control/ FEMALE/ HUMAN/ HYPOTHYROIDISM, complications/ MIDDLE AGE/ REVIEW/ RISK/ THYROID DISEASES, complications/ *THYROID DISEASES, etiology/ THYROID GLAND, abnormalities/ THYROID GLAND, metabolism/ THYROID HORMONES, adverse effects/ *THYROID HORMONES, physiology/ THYROID HORMONES, therapeutic use

4215. **Vriend J:** Testing the TRH hypothesis of pineal function. Med Hypotheses 4(4):376-87, Jul-Aug 78
ANIMAL/ FEMALE/ HAMSTERS/ MELATONIN, physiology/ MESOCRICETUS/ *PINEAL BODY, physiology/ REPRODUCTION/ THYROID GLAND, physiology/ *THYROTROPIN RELEASING HORMONE, physiology

4216. **Vu Hai MT, Warembourg M, Milgrom E:** Hormonal control of progesterone receptors. Ann NY Acad Sci 286:199-209, 11 Mar 77
ANIMAL/ CELL NUCLEUS, metabolism/ CERVIX UTERI, metabolism/ CYTOSOL, metabolism/ ESTRADIOL, pharmacodynamics/ *ESTROGENS, metabolism/ ESTRUS/ FEMALE/ GUINEA PIGS/ PREGNANCY/ *PROGESTERONE, metabolism/

PROGESTERONE, pharmacodynamics/ RATS/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ TIME FACTORS/ UTERUS, drug effects/ *UTERUS, metabolism/ VAGINA, metabolism

4217. **Vydra G:** Varicokele kapcsán észlelt többmagvú spermatidák. Morphol Igazsagugyi Orv Sz 18(3):161–5, Jul 78 (Eng. Abstr.) **(Hun)**
ADULT/ CASE REPORT/ CELL NUCLEUS, ultrastructure/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ SERTOLI CELLS, ultrastructure/ *SPERMATIDS, ultrastructure/ SPERMATOCYTES, ultrastructure/ SPERMATOGENESIS/ *SPERMATOZOA, ultrastructure/ *STERILITY, MALE, etiology/ *TESTIS, ultrastructure/ *VARICOCELE, complications/ VARICOCELE, pathology

4218. **Vyskočil A, Tusl M:** Vliv dexamethazonu na koncentraci histaminu v plicích a kortikosteronu v séru krys po inhalaci No. Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 21(3):319–25, 1978 (Eng. Abstr.) **(Cze)**
ANIMAL/ *CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ ENVIRONMENTAL EXPOSURE/ *HISTAMINE, metabolism/ LUNG, drug effects/ *LUNG, metabolism/ MALE/ *NITROGEN OXIDES, pharmacodynamics/ RATS

W

4219. **Wacker-Pujdak B:** Rak endometrioidalny jajnika. Studium kliniczno-patologiczne. Część 1. Ginekol Pol 49(7):613–20, Jul 78 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ *ENDOMETRIOSIS, etiology/ ENDOMETRIOSIS, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, complications/ MENARCHE/ MENOPAUSE/ MIDDLE AGE/ OBESITY, complications/ *OVARIAN NEOPLASMS, etiology/ OVARIAN NEOPLASMS, pathology/ RISK/ STERILITY, FEMALE, complications

4220. **Wacksman J, Weinerth JL, Kredich D:** Retroperitoneal fibrosis in children. Urology 12(4):438–9, Oct 78
*ARTHRITIS, JUVENILE RHEUMATOID, complications/ CASE REPORT/ CHILD/ FEMALE/ HUMAN/ PREDNISONE, therapeutic use/ *RETROPERITONEAL FIBROSIS, complications/ RETROPERITONEAL FIBROSIS, drug therapy

4221. **Wade JS:** Thyroidectomy. Br J Hosp Med 20(4):456, 459–61, 464–8 passim, Oct 78
ANESTHESIA/ HEMORRHAGE, etiology/ HUMAN/ HYPOPARATHYROIDISM, etiology/ LARYNGEAL EDEMA, complications/ LARYNGEAL EDEMA, etiology/ POSTOPERATIVE CARE/ PREOPERATIVE CARE/ RECURRENT LARYNGEAL NERVE, injuries/ RESPIRATORY INSUFFICIENCY, etiology/ *THYROIDECTOMY/ THYROIDECTOMY, adverse effects/ THYROIDECTOMY, mortality/ THYROIDECTOMY, methods

4222. **Waggoner PR:** Effects of exogenous thyroxine on the surface morphology of the developing chick anterior corneal epithelium. Experientia 34(9):1213–5, 15 Sep 78
ANIMAL/ CELL DIFFERENTIATION, drug effects/ CHICK EMBRYO/ *CORNEA, cytology/ CORNEA, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING/ MICROVILLI, drug effects/ THIOURACIL, pharmacodynamics/ *THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4223. **Wagner DH, Recant WM, Evans RH:** A review of one hundred and fifty thyroidectomies following prior irradiation to the head, neck and upper part of the chest.
Surg Gynecol Obstet 147(6):903–8, Dec 78
ADENOCARCINOMA, surgery/ ADOLESCENCE/ ADULT/ CARCINOMA, etiology/ CARCINOMA, pathology/ *CARCINOMA, surgery/ CARCINOMA, PAPILLARY, surgery/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ *RADIOTHERAPY, adverse effects/ THYROID DISEASES, etiology/ THYROID DISEASES, pathology/ THYROID DISEASES, surgery/ THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology/ *THYROID NEOPLASMS, surgery/ THYROIDECTOMY

4224. **Wagner WC:** Plasma adrenocorticotropin levels in normal dogs (a selected report) [letter] Am J Vet Res 39(5):897, May 78
ANIMAL/ *CORTICOTROPIN, blood/ *DOGS, blood/ NORMAL VALUES

4225. **Wahl TO, Kyner JL:** The hirsute female. J Kans Med Soc 79(12):673–7, Dec 78
ADRENAL GLAND NEOPLASMS, complications/ FEMALE/ HAIR, analysis/ *HIRSUTISM/ HIRSUTISM, etiology/ HIRSUTISM, familial & genetic/ HIRSUTISM, physiopathology/ HUMAN/ OVARIAN NEOPLASMS, complications

4226. **Wahlqvist ML, Shanahan EA, Dennis PM, et al:** Cardiac effects of salbutamol-induced hypokalaemia in the conscious dog. Clin Exp Pharmacol Physiol 5(6):617–25, Nov-Dec 78
*ALBUTEROL, pharmacodynamics/ ANIMAL/ DOGS/ ELECTROCARDIOGRAPHY/ HEART RATE, drug effects/ HYPOKALEMIA, chemically induced/ *HYPOKALEMIA, metabolism/ HYPOKALEMIA, physiopathology/ INSULIN, blood/ MALE/ *MYOCARDIUM, metabolism/ NATRIURESIS, drug effects/ *POTASSIUM, metabolism/ POTASSIUM, urine/ VASOPRESSINS, blood

4227. **Wahren B, Lidbrink E, Wallgren A, et al:** Carcinoembryonic antigen and other tumor markers in tissue and serum or plasma of patients with primary mammary carcinoma. Cancer 42(4):1870–8, Oct 78
ALKALINE PHOSPHATASE, blood/ BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, blood/ *BREAST NEOPLASMS, immunology/ *CARCINOEMBRYONIC ANTIGEN/ CARCINOEMBRYONIC ANTIGEN, analysis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LACTATE DEHYDROGENASE, blood/ RADIOIMMUNOASSAY

4228. **Wai-sum O, Short RV:** Sex determination and differentiation in mammalian germ cells. Birth Defects 13(2):1–12, 1977 (41 ref.)
CYTOPLASM/ FEMALE/ GENES/ GENOTYPE/ GOATS/ HUMAN/ LINKAGE (GENETICS)/ MALE/ MEIOSIS/ MICE/ OOGENESIS/ *OVUM, physiology/ PHENOTYPE/ REVIEW/ SEX CHROMOSOMES/ *SEX DETERMINATION/ *SEX DIFFERENTIATION/ SPERMATOGENESIS/ *SPERMATOZOA, physiology/ SWINE/ TESTIS, physiology

4229. **Waitzman MB:** Effects of cervical sympathetic ganglionectomy on cyclic-AMP and prostaglandins in brain and eye tissues and fluids. Prostaglandins Med 1(2):139–49, Aug 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BODY FLUIDS, metabolism/ *BRAIN, metabolism/ *EYE, metabolism/ *GANGLIA, SPINAL, physiology/ MALE/ PROSTAGLANDINS E, metabolism/ PROSTAGLANDINS F, metabolism/ *PROSTAGLANDINS, metabolism/ RABBITS/ *SYMPATHECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4230. **Waitzman MB, Rudman D:** Prostaglandins in blood of diabetic versus non-diabetic humans. Prostaglandins Med 1(2):131–7, Aug 78
COMPARATIVE STUDY/ *DIABETES MELLITUS, blood/ DIABETES MELLITUS, drug therapy/ FEMALE/ HUMAN/ INDOMETHACIN, therapeutic use/ MALE/ MIDDLE AGE/ PROSTAGLANDINS E, blood/ PROSTAGLANDINS F, blood/ *PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4231. **Wajchenberg BL, Cesar FP, Leme CE, et al:** Effects of adrenergic stimulating and blocking agents on glucose-induced insulin responses in human thyrotoxicosis. Metabolism 27(12):1715–20, Dec 78
ADOLESCENCE/ ADULT/ FEMALE/ GLUCOSE TOLERANCE TEST/ *GLUCOSE, diagnostic use/ GOITER, EXOPHTHALMIC, blood/ HUMAN/

*HYPERTHYROIDISM, blood/ *INSULIN, blood/ *ISOPROTERENOL, diagnostic use/ KINETICS/ *PHENTOLAMINE, diagnostic use

4232. **Wakeling A, de Souza VF, Gore MB, et al:** Body weight and endocrine function in anorexia nervosa [letter] Br Med J 2(6145):1164, 21 Oct 78
*ANOREXIA NERVOSA, physiopathology/ BODY WEIGHT/ HUMAN/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ *THYROID GLAND, physiopathology

4233. **Walczak SA, Wilkening D, Makman MH:** Interaction of morphine, etorphine and enkephalins with dopamine-stimulated adenylate cyclase of monkey amygdala. Brain Res 160(1):105-16, 5 Jan 79
*ADENYL CYCLASE, metabolism/ AMYGDALOID BODY, drug effects/ *AMYGDALOID BODY, enzymology/ ANIMAL/ *DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *ENDORPHINS, pharmacodynamics/ *ENKEPHALINS, pharmacodynamics/ *ETORPHINE, pharmacodynamics/ FREEZING/ MONKEYS/ *MORPHINANS, pharmacodynamics/ *MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RECEPTORS, NARCOTIC, drug effects/ RHESUS MONKEYS/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4234. **Wales R:** Nursing care study. Orchidopexy for bilateral ectopic testes: ensuring a five-year-old's future. Nurs Mirror 147(20):36-8, 16 Nov 78
CASE REPORT/ CHILD, PRESCHOOL/ HUMAN/ MALE/ MOTHER-CHILD RELATIONS/ *PEDIATRIC NURSING/ *TESTIS, abnormalities/ TESTIS, surgery/ VISITORS TO PATIENTS

4235. **Walfish PG:** T3/T4 ratio in thyroid disease [letter] Lancet 2(8098):1056, 11 Nov 78
COMPARATIVE STUDY/ DIAGNOSIS, DIFFERENTIAL/ GOITER, EXOPHTHALMIC, blood/ *GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ HYPERTHYROIDISM, blood/ *HYPERTHYROIDISM, diagnosis/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

4236. **Walker LA, Gerber JG, Frolich JC, et al:** Redistribution of intrarenal blood flow following ADH administration: lack of inhibition by blockade of prostaglandin in cyclooxygenase. Prostaglandins Med 1(4):295-303, Oct 78
ANIMAL/ DOGS/ INDOMETHACIN, pharmacodynamics/ KIDNEY CORTEX, blood supply/ KIDNEY CORTEX, drug effects/ *KIDNEY, blood supply/ KIDNEY, drug effects/ MICROSPHERES/ *PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ PROSTAGLANDINS E, urine/ REGIONAL BLOOD FLOW, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, antagonists & inhibitors/ *VASOPRESSINS, pharmacodynamics

4237. **Walker MD:** The contemporary role of chemotherapy in the treatment of malignant brain tumor. Clin Neurosurg 25:388-96, 1978
ADRENAL CORTEX HORMONES, therapeutic use/ ANIMAL/ *BRAIN NEOPLASMS, drug therapy/ BRAIN NEOPLASMS, mortality/ CARMUSTINE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG EVALUATION/ *GLIOMA, drug therapy/ GLIOMA, mortality/ HUMAN/ LOMUSTINE, therapeutic use/ METABOLIC DETOXICATION, DRUG/ NEOPLASMS, EXPERIMENTAL, drug therapy/ PROGNOSIS/ RADIOTHERAPY DOSAGE/ SEMUSTINE, therapeutic use

4238. **Wallace JM, Gill DP:** Prazosin in the diagnosis and treatment of pheochromocytoma. JAMA 240(25):2752-3, 15 Dec 78
ADRENAL GLAND NEOPLASMS, diagnosis/ *ADRENAL GLAND NEOPLASMS, drug therapy/ ADULT/ *BLOOD PRESSURE, drug effects/ CASE REPORT/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ MALE/ NOREPINEPHRINE, blood/ PHEOCHROMOCYTOMA, diagnosis/ *PHEOCHROMOCYTOMA, drug therapy/ PRAZOSIN, diagnostic use/ PRAZOSIN, pharmacodynamics/ *PRAZOSIN, therapeutic use/ *QUINAZOLINES, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4239. **Wallace JM, Case DB, Laragh JH, et al:** The immediate pressor response to saralasin in man: a test of angiotensin II receptor vacancy. Circ Res 44(1):38-44, Jan 79
*ANGIOTENSIN II/ *ANGIOTENSIN II, analogs & derivatives/ *BLOOD PRESSURE, drug effects/ CATECHOLAMINES, physiology/ DIASTOLE/ DIET, SALT-FREE/ HUMAN/ HYPERTENSION, blood/ *HYPERTENSION, metabolism/ INFUSIONS, PARENTERAL/ NATRIURESIS/ PHENTOLAMINE, pharmacodynamics/ *RECEPTORS, ANGIOTENSIN, metabolism/ *RECEPTORS, HORMONE, metabolism/ RENIN, blood/ SARALASIN, administration & dosage/ *SARALASIN, diagnostic use/ SARALASIN, pharmacodynamics/ SODIUM, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4240. **Wallach EE, Wright KH, Hamada Y:** Investigation of mammalian ovulation with an in vitro perfused rabbit ovary preparation. Am J Obstet Gynecol 132(7):728-38, 1 Dec 78
ANIMAL/ CALCIUM, physiology/ CHLORPHENIRAMINE, pharmacodynamics/ EDTA, pharmacodynamics/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ GRAAFIAN FOLLICLE, physiology/ HISTAMINE, physiology/ IN VITRO/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *OVARY/ OVARY, drug effects/ *OVULATION/ OVULATION, drug effects/ PERFUSION/ PROSTAGLANDINS F, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4241. **Walling MW:** Intestinal inorganic phosphate transport. Adv Exp Med Biol 103:131-47, 1978 (42 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CALCIUM, physiology/ ELECTROCHEMISTRY/ HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, metabolism/ *INTESTINES, metabolism/ PARATHYROID HORMONE, pharmacodynamics/ *PHOSPHATES, metabolism/ REVIEW/ SODIUM, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN D, pharmacodynamics

4242. **Walling MW, Mircheff AK, Van Os CH, et al:** Subcellular distribution of nucleotide cyclases in rat intestinal epithelium. Am J Physiol 235(5):E539-45, Nov 78
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ *ADENYL CYCLASE, metabolism/ ANIMAL/ CARBACHOL, pharmacodynamics/ CELL MEMBRANE, enzymology/ *DUODENUM, enzymology/ EPINEPHRINE, pharmacodynamics/ *GUANYL CYCLASE, metabolism/ INSULIN, pharmacodynamics/ *INTESTINAL MUCOSA, enzymology/ MALE/ RATS/ SUBCELLULAR FRACTIONS, enzymology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4243. **Wallis DI, Williams C, Wali FA:** The effect of 5-hydroxytryptamine and hexamethonium on post-train facilitation in the superior cervical ganglion. Eur J Pharmacol 52(1):17-25, 1 Nov 78
ACTION POTENTIALS, drug effects/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ *CERVICAL PLEXUS, drug effects/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ GANGLIA, AUTONOMIC, drug effects/ *HEXAMETHONIUM COMPOUNDS, pharmacodynamics/ IN VITRO/ *NEURAL TRANSMISSION, drug effects/ RABBITS/ *SEROTONIN, pharmacodynamics

4244. **Walser ES:** Some aspects of maternal behaviour in mammals. Med Biol 56(5):262-71, Oct 78 (271 ref.)
ANIMAL/ ANIMALS, NEWBORN/ ARTIODACTYLA/ CARNIVORA/ FEMALE/ INSECTIVORA/ LACTATION/ LAGOMORPHA/ *MAMMALS/ MARSUPIALIA/ *MATERNAL BEHAVIOR/ MONOTREMATA/ PREGNANCY/

PRIMATES/ REVIEW/ RODENTS/ SPECIES SPECIFICITY/ WEANING

4245. **Walsh JW, Taylor KJ, Rosenfield AT:** Gray scale ultrasonography in the diagnosis of endometriosis and adenomyosis. AJR 132(1):87–90, Jan 79
ADULT/ *ENDOMETRIOSIS, diagnosis/ FEMALE/ *GENITAL NEOPLASMS, FEMALE, diagnosis/ HUMAN/ MIDDLE AGE/ OVARIAN CYSTS, diagnosis/ *ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis

4246. **Walsh PN, Camp E, Dende D:** Different requirements for intrinsic factor–Xa forming activity and platelet factor 3 activity and their relationship to platelet aggregation and secretion. Br J Haematol 40(2):311–31, Oct 78
ADENOSINE DIPHOSPHATE, pharmacodynamics/ *BLOOD COAGULATION FACTORS, biosynthesis/ BLOOD PLATELETS, metabolism/ COLLAGEN, pharmacodynamics/ CONCANAVALIN A, pharmacodynamics/ *FACTOR X, physiology/ HUMAN/ INDOMETHACIN, pharmacodynamics/ PHOSPHOLIPIDS, pharmacodynamics/ *PLATELET AGGREGATION/ PLATELET AGGREGATION, drug effects/ *PLATELET FACTOR 3, biosynthesis/ PROSTAGLANDINS E, pharmacodynamics/ SEROTONIN, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4247. **Walton KG:** Cyclic nucleotides and postsynaptic events. Essays Neurochem Neuropharmacol 2:105–49, 1977 (141 ref.)
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ BRAIN, metabolism/ BRAIN, physiology/ DOPAMINE, physiology/ GANGLIA, AUTONOMIC, physiology/ HORMONES, physiology/ MEMBRANE PROTEINS, metabolism/ NERVE TISSUE PROTEINS, metabolism/ NERVOUS SYSTEM, metabolism/ NERVOUS SYSTEM, physiology/ NOREPINEPHRINE, physiology/ NUCLEOTIDES, CYCLIC, metabolism/ *NUCLEOTIDES, CYCLIC, physiology/ PHOSPHORYLATION/ PINEAL BODY, physiology/ REVIEW/ *SYNAPSES, physiology/ SYNAPTIC MEMBRANES, metabolism

4248. **Wang C, Chan V, Yeung RT:** Effect of surgical stress on pituitary–testicular function. Clin Endocrinol (Oxf) 9(3):255–66, Sep 78
ADULT/ AGED/ ESTRADIOL, blood/ ESTRADIOL, secretion/ FSH, blood/ FSH, secretion/ HUMAN/ LH, blood/ LH, secretion/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ MIDDLE AGE/ *PITUITARY GLAND, physiopathology/ SEX HORMONE BINDING GLOBULIN, analysis/ *STRESS, physiopathology/ *SURGERY, OPERATIVE/ *TESTIS, physiopathology/ TESTOSTERONE, blood/ TESTOSTERONE, secretion

4249. **Wang C, Chan V, Tse TF, et al:** Effect of acute myocardial infarction on pituitary–testicular function. Clin Endocrinol (Oxf) 9(3):249–53, Sep 78
ACUTE DISEASE/ ADULT/ AGED/ FSH, blood/ FSH, secretion/ HUMAN/ LH, blood/ LH, secretion/ MALE/ MIDDLE AGE/ *MYOCARDIAL INFARCTION, physiopathology/ *PITUITARY GLAND, physiopathology/ *TESTIS, physiopathology/ TESTOSTERONE, blood/ TESTOSTERONE, secretion

4250. **Wang C, Chan V, Yeung RT:** The effect of heroin addiction on pituitary–testicular function. Clin Endocrinol (Oxf) 9(5):455–61, Nov 78
ADULT/ FSH, secretion/ *HEROIN ADDICTION, physiopathology/ HUMAN/ LH, secretion/ MALE/ *PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiopathology/ SEX BEHAVIOR, drug effects/ SEX HORMONE BINDING GLOBULIN, analysis/ *TESTIS, drug effects/ TESTIS, physiopathology/ TESTOSTERONE, blood

4251. **Wang CC:** Management of inflammatory carcinoma of the breast. Int J Radiat Oncol Biol Phys 4(7–8):709–10, Jul–Aug 78
ANTINEOPLASTIC AGENTS, therapeutic use/ *BREAST NEOPLASMS, therapy/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ LYMPHATIC METASTASIS, therapy/ NEOPLASM METASTASIS, therapy/ PROGNOSIS

4252. **Wang JC, Steier W, Aung MK, et al:** Primary hyperparathyroidism and chronic lymphocytic leukemia. Cancer 42(4):1964–9, Oct 78 (42 ref.)
*ADENOMA, complications/ ADENOMA, diagnosis/ ADENOMA, surgery/ AGED/ CASE REPORT/ FEMALE/ HUMAN/ *HYPERCALCEMIA, complications/ HYPERCALCEMIA, etiology/ *HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, diagnosis/ *LEUKEMIA, LYMPHOCYTIC, complications/ MIDDLE AGE/ *NEOPLASMS, MULTIPLE PRIMARY, complications/ NEOPLASMS, MULTIPLE PRIMARY, diagnosis/ NEOPLASMS, MULTIPLE PRIMARY, surgery/ *PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, diagnosis/ PARATHYROID NEOPLASMS, surgery/ REMISSION/ REVIEW

4253. **Wang TS, Hosain P, Spencer RP, et al:** Synthesis, radiotechnetium labelling, and comparison of biologic behavior of longer-chain analogs of methylene diphosphonate. J Nucl Med 19(10):1151–3, Oct 78
ANIMAL/ BONE AND BONES, metabolism/ COMPARATIVE STUDY/ *DIPHOSPHONATES, chemical synthesis/ DIPHOSPHONATES, metabolism/ *ISOTOPE LABELING, methods/ MICE/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ *TECHNETIUM/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4254. **Wanner BL, Kodaira R, Neidhardt FC:** Regulation of lac operon expression: reappraisal of the theory of catabolite repression. J Bacteriol 136(3):947–54, Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *BETA-GALACTOSIDASES, biosynthesis/ BETA-GALACTOSIDASES, genetics/ CULTURE MEDIA/ *ENZYME REPRESSION/ ENZYME REPRESSION, drug effects/ *ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, growth & development/ ESCHERICHIA COLI, genetics/ *GALACTOSIDASES, biosynthesis/ *LACTOSE, metabolism/ LEUCINE, metabolism/ *OPERON/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4255. **Wara WM, Sheline GE:** Radiation therapy of malignant brain tumors. Clin Neurosurg 25:397–402, 1978
ANIMAL/ BRAIN NEOPLASMS, mortality/ BRAIN NEOPLASMS, pathology/ *BRAIN NEOPLASMS, radiotherapy/ BRAIN STEM/ CARMUSTINE, therapeutic use/ EPENDYMOMA, radiotherapy/ EPENDYMOMA, surgery/ GLIOMA, mortality/ GLIOMA, pathology/ GLIOMA, radiotherapy/ HUMAN/ MEDULLOBLASTOMA, mortality/ MEDULLOBLASTOMA, radiotherapy/ NEOPLASM METASTASIS/ NEOPLASM STAGING/ PINEALOMA, radiotherapy/ RADIOTHERAPY DOSAGE

4256. **Ware GM, Thorpe CW:** Determination of zearalenone in corn by high pressure liquid chromatography and fluorescence detection. J Assoc Off Anal Chem 61(5):1058–62, Sep 78
CHROMATOGRAPHY, HIGH SPEED LIQUID/ *CORN, analysis/ MICROCHEMISTRY/ *RESORCINOLS, analysis/ SOLVENTS/ SPECTROMETRY, FLUORESCENCE/ *ZEARALENONE, analysis

4257. **Warembourg M:** Radioautographic study of the rat brain, uterus and vagina after [3H]R-5020 injection. Mol Cell Endocrinol 12(1):67–79, Oct 78
ANIMAL/ AUTORADIOGRAPHY/ *BRAIN, metabolism/ CELL NUCLEUS, metabolism/ FEMALE/ ISOTOPE LABELING/ *NORPREGNADIENES, metabolism/ PROGESTERONE, metabolism/ *R 5020, metabolism/ RATS/ RECEPTORS, PROGESTERONE, metabolism/ TRITIUM/ *UTERUS, metabolism/ *VAGINA, metabolism

4258. **Warner CM, Tollefson CM:** The effect of progesterone, estradiol and serum on RNA synthesis in preimplantation mouse embryos cultured in vitro. Biol Reprod 19(2):332–7, Sep 78
ANIMAL/ BLASTOCYST, drug effects/ BLASTOCYST, metabolism/ *BLOOD/ *EMBRYO, drug effects/ EMBRYO, metabolism/ *ESTRADIOL, pharmacodynamics/ MICE/ *PROGESTERONE, pharmacodynamics/ *RNA, biosynthesis

4259. **Wasilewska A, Nauman J:** Oznaczanie immunoglobulin

stymulujących tarczycę (TSI) metodą radioreceptorową. Endokrynol Pol 29(5):361–70, Sep–Oct 78 (Eng. Abstr.) (Pol)

ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, blood/ HUMAN/ *LONG-ACTING THYROID STIMULATOR, blood/ RADIOLIGAND ASSAY

4260. **Wasilewska J, Komarnicka R, Niżnikiewica J:** Zespół Hoffmana. Pol Tyg Lek 33(46):1795–6, 13 Nov 78 (Pol)

ADULT/ CASE REPORT/ FEMALE/ HUMAN/ HYPERTROPHY/ *HYPOTHYROIDISM, diagnosis/ MUSCLE CRAMP, diagnosis/ *MUSCULAR DISEASES, diagnosis/ SYNDROME

4261. **Wasserman RH, Combs GF:** Relation of vitamin D-dependent intestinal calcium-binding protein to calcium absorption during the ovulatory cycle in Japanese quail. Proc Soc Exp Biol Med 159(2):286–7, Nov 78

ANIMAL/ CALCIFICATION, PHYSIOLOGIC/ *CALCIUM, metabolism/ *CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ *CARRIER PROTEINS, metabolism/ *DUODENUM, metabolism/ FEMALE/ INTESTINAL ABSORPTION/ *OVULATION/ OVUM, metabolism/ QUAIL/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4262. **Wasylewski A, Wardas C, Chiciński E:** Tyreotropina kosmówkowa. Ginekol Pol 49(11):1019–22, Nov 78 (Eng. Abstr.) (Pol)

ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, physiology/ HUMAN/ HYDATIDIFORM MOLE, physiopathology/ HYPERTHYROIDISM, physiopathology/ *PLACENTA, secretion/ PLACENTAL LACTOGEN, physiology/ PREGNANCY/ THYROID GLAND, physiology/ THYROID GLAND, physiopathology/ *THYROTROPIN, secretion/ TROPHOBLAST, secretion/ UTERINE NEOPLASMS, physiopathology

4263. **Watanabe S, Onishi H:** [Regulation of functions of myosin and actomyosin from smooth muscle (part 2) (author's transl)] Tanpakushitsu Kakusan Koso 23(11):1123–38, Oct 78 (72 ref.) (Jpn)

ACTIN, metabolism/ ACTOMYOSIN, isolation & purification/ *ACTOMYOSIN, physiology/ ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ BLOOD PLATELETS, metabolism/ CALCIUM, metabolism/ CATTLE/ GIZZARD, metabolism/ GUINEA PIGS/ *MUSCLE CONTRACTION/ *MUSCLE, SMOOTH, metabolism/ MYOSIN, isolation & purification/ *MYOSIN, metabolism/ PHOSPHORYLATION/ POULTRY/ REVIEW/ TROPOMYOSIN, metabolism

4264. **Watari N, Hotta Y, Mabuchi Y, et al:** Three-way observations of the identical cell structures within the same sections by light microscopy, HVEM and SEM. J Electron Microsc (Tokyo) 26 Suppl:343–6, 1977

*ADRENAL GLANDS, ultrastructure/ ANIMAL/ CHROMAFFIN SYSTEM, ultrastructure/ *ISLANDS OF LANGERHANS, ultrastructure/ *MICROSCOPY/ *MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ SNAKES

4265. **Waterman A, Livingston A:** Some physiological effects of ketamine in sheep. Res Vet Sci 25(2):225–33, Sep 78

ALTHESIN, pharmacodynamics/ ANIMAL/ BICARBONATES, blood/ BLOOD PRESSURE, drug effects/ CARBON DIOXIDE, blood/ COMPARATIVE STUDY/ FEMALE/ HYDROGEN-ION CONCENTRATION/ INJECTIONS, INTRAVENOUS/ INJECTIONS, INTRAVENTRICULAR/ KETAMINE, administration & dosage/ *KETAMINE, pharmacodynamics/ OXYGEN, blood/ PARTIAL PRESSURE/ PENTOBARBITAL, pharmacodynamics/ *SHEEP, physiology

4266. **Watkins P:** Vitamin D deficiency rickets. Radiography 44(525):213–9, Sep 78

ASIA, ethnology/ BONE DEVELOPMENT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GREAT BRITAIN/ HUMAN/ INFANT/ MALE/ *RICKETS, etiology/ RICKETS, prevention & control/ RICKETS, radiography/ *VITAMIN D DEFICIENCY, complications/ VITAMIN D, physiology

4267. **Wattez C:** Influence du complexe céphalique (tentacules oculaires-cerveau) sur l'évolution, en culture in vitro, de gonades infantiles et juvéniles d'Arion subfuscus drap. (Gastéropode Pulmoné). Gen Comp Endocrinol 35(4):360–74, Aug 78 (Eng. Abstr.) (Fre)

AGE FACTORS/ ANIMAL/ BRAIN, physiology/ ENGLISH ABSTRACT/ GONADS, growth & development/ HERMAPHRODITISM/ MOLLUSCA, growth & development/ *MOLLUSCA, physiology/ NEUROSECRETORY SYSTEMS, physiology/ OOGENESIS/ ORGAN CULTURE/ SEX DIFFERENTIATION/ SPERMATOGENESIS

4268. **Watts RJ:** The physiological interrelationships between depression, drugs, and sexuality. Nurs Forum 17(2):168–83, 1978

ALCOHOL, ETHYL, pharmacodynamics/ ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ ANXIETY, prevention & control/ CANNABIS/ CONTRACEPTIVES, ORAL, pharmacodynamics/ *DEPRESSION, chemically induced/ DIACETYLMORPHINE, pharmacodynamics/ FEMALE/ GENITALIA, innervation/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ HUMAN/ LIBIDO, drug effects/ LIBIDO, physiology/ MALE/ METHADONE, pharmacodynamics/ *PHARMACOLOGY/ *SEX BEHAVIOR, drug effects/ STRESS, PSYCHOLOGICAL, prevention & control/ TESTOSTERONE, pharmacodynamics

4269. **Watts RW, Wheldrake JF:** Aldosterone induced changes in protein synthesis in rat intestine. J Steroid Biochem 9(8):739–42, Aug 78

*ALDOSTERONE, pharmacodynamics/ ANIMAL/ CYTOSOL, metabolism/ DESOXYCORTICOSTERONE, pharmacodynamics/ INTESTINAL MUCOSA, drug effects/ *INTESTINAL MUCOSA, metabolism/ INTESTINE, LARGE, drug effects/ INTESTINE, LARGE, metabolism/ INTESTINE, SMALL, drug effects/ INTESTINE, SMALL, metabolism/ MICROSOMES, metabolism/ MITOCHONDRIA, metabolism/ *PROTEINS, biosynthesis/ RATS

4270. **Weaver DC, McDaniel ML, Naber SP, et al:** Alloxan stimulation and inhibition of insulin release from isolated rat islets of Langerhans. Diabetes 27(12):1205–14, Dec 78

*ALLOXAN, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ CHEMISTRY/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ GLUCOSE, pharmacodynamics/ IN VITRO/ *INSULIN, metabolism/ *ISLANDS OF LANGERHANS, drug effects/ ISLANDS OF LANGERHANS, metabolism/ MALE/ METHYLGLUCOSIDES, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4271. **Webb DR, Nowowiejski I:** Mitogen-induced changes in lymphocyte prostaglandin levels: a signal for the induction of suppressor cell activity. Cell Immunol 41(1):72–85, Nov 78

ANIMAL/ ANTIBODY FORMATION/ DNA, biosynthesis/ *LYMPHOCYTES, analysis/ LYMPHOCYTES, drug effects/ MALE/ MICE/ MICE, INBRED C57BL/ *MITOGENS, pharmacodynamics/ PHYTOHEMAGGLUTININS, pharmacodynamics/ *PROSTAGLANDINS, analysis/ PROSTAGLANDINS, biosynthesis/ *T-LYMPHOCYTES, immunology

4272. **Weber AL, Adler NT:** Dissociation of persistent estrus and a free-running activity cycle in different light cycles. Biol Reprod 19(2):425–30, Sep 78

*ACTIVITY CYCLES/ ANIMAL/ *CIRCADIAN RHYTHM/ *ESTRUS/ FEMALE/ LIGHT/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4273. **Weber CJ, Lerner RL, Hardy MA, et al:** Somatostatin-induced suppression of basal insulin levels in long-term islet-transplanted rats. Surg Forum 28:304–6, 1977

ANIMAL/ *INSULIN, blood/ *ISLANDS OF LANGERHANS, transplantation/ RATS/ *SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS/ TRANSPLANTATION, ISOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4274. **Weber E, Voigt KH, Martin R:** Concomitant storage of ACTH- and endorphin-like immunoreactivity in the secretory

granules of anterior pituitary corticotrophs. Brain Res 157(2):385–90, 24 Nov 78
ANIMAL/ ANTIGENIC DETERMINANTS, analysis/ *CORTICOTROPIN, metabolism/ *ENDORPHINS, metabolism/ *EXOCYTOSIS/ FEMALE/ *IMMUNITY, CELLULAR/ IMMUNOCHEMISTRY/ IMMUNOENZYME TECHNICS/ IN VITRO/ MALE/ *PITUITARY GLAND, ANTERIOR, metabolism/ RATS

4275. **Weber MA, Laragh JH:** A physiological basis for the treatment of essential hypertension. Bull NY Acad Med 54(10):931–43, Nov 78
ALDOSTERONE, physiology/ CLONIDINE, therapeutic use/ DIURETICS, therapeutic use/ HUMAN/ HYPERTENSION, drug therapy/ *HYPERTENSION, physiopathology/ PROPRANOLOL, therapeutic use/ RENIN, physiology/ SODIUM, urine

4276. **Weber TR, Gewertz BL, Stanley JC, et al:** Renal effects of acute infrarenal aortocaval fistula. J Surg Res 25(5):482–7, Nov 78
ANIMAL/ AORTA, ABDOMINAL/ *AORTIC DISEASES, complications/ *ARTERIOVENOUS FISTULA, complications/ CREATININE, blood/ DISEASE MODELS, ANIMAL/ DOGS/ HEMODYNAMICS/ KIDNEY FUNCTION TESTS/ KIDNEY, blood supply/ *KIDNEY, physiopathology/ REGIONAL BLOOD FLOW/ RENIN, blood/ SODIUM, blood/ *VENA CAVA, INFERIOR

4277. **Webster LR, Stanley TH, Jarvik R, et al:** Plasma cortisol and antidiuretic hormone concentrations after artificial heart implantation. Trans Am Soc Artif Intern Organs 24:305–9, 1978
ANIMAL/ CATTLE/ *HEART, ARTIFICIAL/ *HYDROCORTISONE, blood/ MALE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VASOPRESSINS, blood

4278. **Weeke J, Laurberg P, Olsen T:** Forekomsten af abnorme serumkoncentrationer af thyreoideahormoner og revers T3 hos patienter uden thyreoideasygdom. Ugeskr Laeger 140(47):2912–4, 20 Nov 78 (Eng. Abstr.) **(Dan)**
ADOLESCENCE/ ADULT/ AGED/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ THYROID DISEASES, blood/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood/ *TRIIODOTHYRONINE, REVERSE, blood

4279. **Weeke J, Gundersen HJ:** Circadian and 30 minutes variations in serum TSH and thyroid hormones in normal subjects. Acta Endocrinol (Copenh) 89(4):659–72, Dec 78
ADULT/ *CIRCADIAN RHYTHM/ HUMAN/ MALE/ RADIOIMMUNOASSAY/ *THYROTROPIN, blood/ *THYROXINE, blood/ TIME FACTORS/ *TRIIODOTHYRONINE, blood

4280. **Wehrenberg WB, Dierschke DJ, Rankin JH, et al:** Variations in 'functional' blood flow as related to corpus luteum activity in cyclic guinea pigs. Biol Reprod 19(2):380–4, Sep 78
ANIMAL/ *CORPUS LUTEUM, physiology/ *ESTRUS/ FEMALE/ GUINEA PIGS/ *OVARY, blood supply/ OVARY, physiology/ PROGESTERONE, blood/ REGIONAL BLOOD FLOW/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4281. **Weichsel ME Jr:** The therapeutic use of glucocorticoid hormones in the perinatal period: potential neurological hazards. Ann Neurol 2(5):364–6, Nov 77
ANIMAL/ *ANIMALS, NEWBORN, growth & development/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ *BRAIN, growth & development/ CELL DIFFERENTIATION, drug effects/ CIRCADIAN RHYTHM, drug effects/ CORTICOSTERONE, blood/ DNA, biosynthesis/ ELECTROENCEPHALOGRAPHY/ EVOKED POTENTIALS, drug effects/ *GLUCOCORTICOIDS, therapeutic use/ MICE/ MITOSIS, drug effects/ MOTOR SKILLS, drug effects/ NEUROSECRETION, drug effects/ ORGAN WEIGHT, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4282. **Weinberger MA, Friedman L, Farber TM, et al:** Testicular atrophy and impaired spermatogenesis in rats fed high levels of the methylxanthines caffeine, theobromine, or theophylline. J Environ Pathol Toxicol 1(5):669–88, May–Jun 78
ANIMAL/ ATROPHY, chemically induced/ BODY WEIGHT, drug effects/ *CAFFEINE, toxicity/ DIET/ EATING, drug effects/ MALE/ NITRITES, metabolism/ ORGAN WEIGHT, drug effects/ RATS/ *SPERMATOGENESIS, drug effects/ *TESTIS, drug effects/ TESTIS, pathology/ *THEOBROMINE, toxicity/ *THEOPHYLLINE, toxicity/ TIME FACTORS

4283. **Weinberger MJ, Aten RF, Eisenfeld AJ:** Estrogen receptor in the mammalian liver: effect of metabolism on the amount and identity of receptor-bound estrogen. Biochem Pharmacol 27(20):2469–74, 1978
ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ HYDROXYLATION/ IN VITRO/ *LIVER, metabolism/ RATS/ *RECEPTORS, ESTROGEN, metabolism/ TIME FACTORS

4284. **Weinman EJ, Sansom S, Suki WN:** Attempts to demonstrate phosphate secretion in the rat. Adv Exp Med Biol 103:71–7, 1978
ANIMAL/ BICARBONATES, pharmacodynamics/ CYANIDES, pharmacodynamics/ INULIN, diagnostic use/ *KIDNEY TUBULES, secretion/ KIDNEY, metabolism/ MALE/ MANNITOL, pharmacodynamics/ PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, metabolism/ *PHOSPHATES, secretion/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED

4285. **Weisenburger DD:** Immunoblastic lymphadenopathy associated with methyldopa therapy: a case report. Cancer 42(5):2322–7, Nov 78
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ *IMMUNOBLASTIC LYMPHADENOPATHY, chemically induced/ IMMUNOBLASTIC LYMPHADENOPATHY, drug therapy/ IMMUNOBLASTIC LYMPHADENOPATHY, pathology/ LYMPHOMA, pathology/ *METHYLDOPA, adverse effects/ SARCOMA, pathology

4286. **Weisman Y, Salama R, Harell A, et al:** Serum 24,25-dihydroxyvitamin D and 25-hydroxyvitamin D concentrations in femoral neck fracture. Br Med J 2(6146):1196–7, 28 Oct 78
ADOLESCENCE/ ADULT/ AGED/ CHILD/ DIHYDROXYCHOLECALCIFEROLS, blood/ *FEMORAL NECK FRACTURES, blood/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, blood

4287. **Weiss DB, Rodriguez-Rigau L, Smith KD, et al:** Quantitation of Leydig cells in testicular biopsies of oligospermic men with varicocele. Fertil Steril 30(3):305–12, Sep 78
BIOPSY/ HUMAN/ *LEYDIG CELLS, pathology/ MALE/ OLIGOSPERMIA, complications/ *OLIGOSPERMIA, pathology/ ORGAN WEIGHT/ STERILITY, MALE, pathology/ TESTIS, anatomy & histology/ *TESTIS, pathology/ VARICOCELE, complications/ *VARICOCELE, pathology

4288. **Weiss G, O'Byrne EM, Hochman J, et al:** Distribution of relaxin in women during pregnancy. Obstet Gynecol 52(5):569–70, Nov 78
AMNIOTIC FLUID, analysis/ AMNIOTIC FLUID, metabolism/ ANTIGENS/ FEMALE/ FETAL BLOOD/ HUMAN/ PREGNANCY/ RADIOIMMUNOASSAY/ RELAXIN, analysis/ RELAXIN, immunology/ *RELAXIN, metabolism/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4289. **Weiss W:** Klinische Relevanz der alpha-1-Fetoprotein(AFP)-Bestimmung im Serum. Onkologie 1(1):6–14, Feb 78 (Eng. Abstr.) **(Ger)**
*ALPHA FETOPROTEINS, analysis/ AMNIOTIC FLUID, analysis/ ANENCEPHALY, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HEPATITIS, diagnosis/ HEPATOMA, diagnosis/ HUMAN/ *LIVER NEOPLASMS, diagnosis/ SPINA BIFIDA, diagnosis/ TESTICULAR NEOPLASMS, diagnosis

4290. **Weisse I, Hoefke W, Greenberg S, et al:** Ophthalmological and pharmacological studies after administration of clonidine in rats. Arch Toxicol 41(1):89–98, 13 Oct 78

ANIMAL/ *CLONIDINE, pharmacodynamics/ *CORNEA, drug effects/ CORNEA, pathology/ EXOPHTHALMOS, chemically induced/ EYE DISEASES, chemically induced/ EYE, pathology/ FEMALE/ MALE/ PHENTOLAMINE, pharmacodynamics/ RATS/ RATS, INBRED STRAINS/ TEARS, drug effects/ TEARS, secretion

4291. **Weissmann G:** Leukocytes as secretory organs of inflammation. Hosp Pract 13(9):53–62, Sep 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANTIGEN-ANTIBODY COMPLEX/ CELL MEMBRANE, immunology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ *INFLAMMATION, etiology/ NEUTROPHILS, enzymology/ NEUTROPHILS, immunology/ *NEUTROPHILS, secretion/ *PHAGOCYTOSIS/ SUPEROXIDE, metabolism

4292. **Weitzell R, Steppeler A, Starke K:** Effects of prostaglandin E2, prostaglandin I2 and 6-keto-prostaglandin F1 alpha on adrenergic neurotransmission in the pulmonary artery of the rabbit. Eur J Pharmacol 52(1):137–41, 1 Nov 78
ANIMAL/ IN VITRO/ *NEURAL TRANSMISSION, drug effects/ *NOREPINEPHRINE, metabolism/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ PULMONARY ARTERY, drug effects/ RABBITS

4293. **Weksler BB, Ley CW, Jaffe EA:** Stimulation of endothelial cell prostacyclin production by thrombin, trypsin, and the ionophore A 23187. J Clin Invest 62(5):923–30, Nov 78
*A-23187, pharmacodynamics/ *ANTIBIOTICS, pharmacodynamics/ ARACHIDONIC ACIDS, metabolism/ BLOOD PLATELETS, metabolism/ CELLS, CULTURED/ CHYMOTRYPSIN, metabolism/ *ENDOTHELIUM, metabolism/ HUMAN/ PLATELET AGGREGATION, drug effects/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ SEROTONIN, metabolism/ *THROMBIN, metabolism/ *TRYPSIN, metabolism/ UMBILICAL VEINS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4294. **Wells SA Jr, Haagensen DE Jr, Linehan WM, et al:** The detection of elevated plasma levels of carcinoembryonic antigen in patients with suspected or established medullary thyroid carcinoma. Cancer 42(3 Suppl):1498–503, Sep 78
ADOLESCENCE/ ADULT/ CALCITONIN, blood/ CALCIUM GLUCONATE, pharmacodynamics/ *CARCINOEMBRYONIC ANTIGEN/ *CARCINOMA, blood/ HUMAN/ MIDDLE AGE/ PENTAGASTRIN, pharmacodynamics/ *THYROID NEOPLASMS, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4295. **Welsh MG, Reiter RJ:** The pineal gland of the gerbil, Meriones unguiculatus. I. An ultrastructural study. Cell Tissue Res 193(2):323–36, 17 Oct 78
ANIMAL/ *GERBILS, anatomy & histology/ ORGANOIDS, ultrastructure/ PINEAL BODY, cytology/ *PINEAL BODY, ultrastructure/ UNITED STATES GOV'T SUPPORTED/ VACUOLES, ultrastructure

4296. **Wemeau-Jacquemont C:** Conduite à tenir en présence d'un syndrome de Turner. Lille Med 23(8):561–6, Oct 78 **(Fre)**
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ DERMATOGLYPHICS/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ PROGNOSIS/ PUBERTY/ *TURNER'S SYNDROME, diagnosis/ TURNER'S SYNDROME, familial & genetic/ TURNER'S SYNDROME, therapy

4297. **Wen HL, Ho WK, Wong HK, et al:** Reduction of adrenocorticotropic hormone (ACTH) and cortisol in drug addicts treated by acupuncture and electrical stimulation (AES). Comp Med East West 6(1):61–6, Spring 78
*ACUPUNCTURE/ *ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADULT/ *CORTICOTROPIN, blood/ *ELECTROTHERAPY/ FEMALE/ HEROIN ADDICTION, blood/ *HEROIN ADDICTION, therapy/ HUMAN/ *HYDROCORTISONE, blood/ MALE/ METHADONE, therapeutic use/ MIDDLE AGE/ SEX FACTORS

4298. **Wen SF, Boynar JW Jr, Stoll RW:** Effect of volume expansion on phosphate transport in uremic dogs.
Adv Exp Med Biol 103:87–9, 1978
ANIMAL/ BIOLOGICAL TRANSPORT/ DOGS/ KIDNEY, metabolism/ NEPHRECTOMY/ PARATHYROID GLANDS, physiology/ *PARATHYROID HORMONE, physiology/ *PHOSPHATES, metabolism/ THYROIDECTOMY/ *UREMIA, metabolism

4299. **Wendel OT, Strandhoy JW:** The effects of prostaglandins E2 and F2alpha on synaptosomal accumulation and release of 3H-norepinephrine. Prostaglandins 16(3):441–9, Sep 78
ANIMAL/ BUFFERS/ CULTURE MEDIA/ HYPOTHALAMUS, metabolism/ MALE/ *NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, secretion/ PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, administration & dosage/ *PROSTAGLANDINS F, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects/ *SYNAPTOSOMES, metabolism

4300. **Wenderlein JM:** Post-Pill-Amenorrhoe und Menarche. Fortschr Med 96(44):2243–8, 23 Nov 78 (Eng. Abstr.) **(Ger)**
*AMENORRHEA, etiology/ *CONTRACEPTIVES, ORAL/ *CONTRACEPTIVES, ORAL, HORMONAL/ EDUCATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INTELLIGENCE/ MENARCHE/ PERSONALITY/ PREGNANCY/ SEX BEHAVIOR

4301. **Wendt H, Mugglestone CJ, Wiseman RA:** A study of the comparative efficacy of diflucortolone valerate 0.3% ointment and clobetasol propionate 0.05% ointment. Br J Dermatol 99(4):411–6, Oct 1978
*ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ *BETAMETHASONE, analogs & derivatives/ CLINICAL RESEARCH/ *CLOBETASOL, therapeutic use/ COMPARATIVE STUDY/ DERMATITIS, ATOPIC, drug therapy/ DOUBLE-BLIND METHOD/ ECZEMA, drug therapy/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PSORIASIS, drug therapy

4302. **Wennmalm A:** Prostaglandin-mediated inhibition of noradrenaline release: V. A comparison of the neuroinhibitory effect of three prostaglandins: E2, I2, and 6-keto-PGF1alpha. Prostaglandins Med 1(1):49–54, Jul 78
ANIMAL/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ GUINEA PIGS/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ *NOREPINEPHRINE, metabolism/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS F, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ VAS DEFERENS, drug effects/ VAS DEFERENS, metabolism

4303. **Wensink J, Gankema H, Jansen WH, et al:** Isolation of the membranes of an enterotoxigenic strain of Escherichia coli and distribution of enterotoxin activity in different subcellular fractions. Biochim Biophys Acta 514(1):128–36, 4 Dec 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ BIOLOGICAL ASSAY/ CELL LINE/ *CELL MEMBRANE, analysis/ *ENTEROTOXINS, isolation & purification/ ENTEROTOXINS, pharmacodynamics/ *ESCHERICHIA COLI, analysis/ *MEMBRANE PROTEINS, isolation & purification/ MEMBRANE PROTEINS, pharmacodynamics/ SUBCELLULAR FRACTIONS, analysis

4304. **Weshler Z, Krasnokuki D, Peshin Y, et al:** Thyroid carcinoma induced by irradiation for Hodgkin's disease. Report of a case. Acta Radiol Oncol Radiat Phys Biol 17(5):383–6, 1978
*ADENOCARCINOMA, etiology/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, PAPILLARY, etiology/ ADENOCARCINOMA, PAPILLARY, pathology/ ADULT/ CASE REPORT/ *HEAD AND NECK NEOPLASMS, radiotherapy/ *HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MALE/ *NEOPLASMS, RADIATION-INDUCED, etiology/ *THYROID NEOPLASMS, etiology/ THYROID NEOPLASMS, pathology

4305. **Wessler S:** Atherothrombology. Adv Exp Med Biol 104:409–17, 1978
ANIMAL/ *ARTERIOSCLEROSIS, etiology/

*ATHEROSCLEROSIS, etiology/ *AZAURIDINE, toxicity/ CONTRACEPTIVES, ORAL, adverse effects/ GLYCOPROTEINS, toxicity/ RABBITS/ SMOKING, complications/ *THROMBOSIS, chemically induced/ TOBACCO, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4306. **West JD, Chapman VM:** Variation for X chromosome expression in mice detected by electrophoresis of phosphoglycerate kinase. Genet Res 32(1):91–102, Aug 78
ANIMAL/ FEMALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ *MOSAICISM/ *PHOSPHOGLYCERATE KINASE, genetics/ *SEX CHROMOSOMES/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *X CHROMOSOME

4307. **Westerholm B:** Vinster och risker med olika preventivmedel. Lakartidningen 75(45):4123–4, 8 Nov 78 **(Swe)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ *CONTRACEPTIVE DEVICES, FEMALE/ CONTRACEPTIVE DEVICES, FEMALE, adverse effects/ *CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ COSTS AND COST ANALYSIS/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MIDDLE AGE/ PESSARIES, adverse effects/ SWEDEN

4308. **Westley B, Knowland J:** An estrogen receptor from Xenopus laevis liver possibly connected with vitellogenin synthesis. Cell 15(2):367–74, Oct 78
ANIMAL/ BINDING SITES/ CELL NUCLEUS, metabolism/ CHROMATOGRAPHY, GEL/ CYTOSOL, metabolism/ *ESTRADIOL, metabolism/ KINETICS/ *LIPOPROTEINS, biosynthesis/ *LIVER, metabolism/ MALE/ MOLECULAR WEIGHT/ *RECEPTORS, ESTROGEN, physiology/ SALTS/ *VITELLOGENIN, biosynthesis

4309. **Westphal HM, Fleischmann G, Climent F, et al:** Effect of phospholipases and lysophosphatides on partially purified steroid hormone receptors.
Hoppe Seylers Z Physiol Chem 359(10):1297–305, Oct 78
ANIMAL/ CYTOSOL, metabolism/ FEMALE/ KINETICS/ LIVER, metabolism/ *LYSOPHOSPHATIDYLCHOLINES, pharmacodynamics/ PHOSPHATIDYLCHOLINES, pharmacodynamics/ *PHOSPHOLIPASE, pharmacodynamics/ PROGESTERONE, metabolism/ RATS/ RECEPTORS, GLUCOCORTICOID, drug effects/ *RECEPTORS, GLUCOCORTICOID, metabolism/ RECEPTORS, PROGESTERONE, drug effects/ *RECEPTORS, PROGESTERONE, metabolism/ *RECEPTORS, STEROID, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism/ UTERUS, metabolism

4310. **Westphal U, Stroupe SD, Cheng SL:** Progesterone binding to serum proteins. Ann NY Acad Sci 286:10–28, 11 Mar 77 (50 ref.)
*ALPHA GLOBULINS, blood/ ANIMAL/ BINDING SITES/ *BLOOD PROTEINS, metabolism/ FEMALE/ HUMAN/ KINETICS/ MOLECULAR WEIGHT/ PREGNANCY/ PREGNENOLONE, blood/ *PROGESTERONE BINDING GLOBULIN, blood/ PROGESTERONE BINDING GLOBULIN, isolation & purification/ *PROGESTERONE, metabolism/ PROTEIN BINDING/ PROTEIN CONFORMATION/ REVIEW/ SPECTROMETRY, FLUORESCENCE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4311. **Wexler BC:** Corticotropin stimulation of hypertensive rats with and without arteriosclerosis. Arch Pathol Lab Med 102(11):587–91, Nov 78
ANIMAL/ AORTA, pathology/ ARTERIOSCLEROSIS, blood/ ARTERIOSCLEROSIS, complications/ BLOOD PRESSURE/ BLOOD UREA NITROGEN/ BODY WEIGHT/ *CORTICOTROPIN, pharmacodynamics/ CREATINE KINASE, blood/ FEMALE/ *HYPERTENSION, blood/ HYPERTENSION, complications/ HYPERTENSION, pathology/ MALE/ MYOCARDIUM, pathology/ ORGAN WEIGHT/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4312. **Whelan CJ:** Histamine release from rat peritoneal mast cells by phospholipase A. The 'activation' of phospholipase A by phospholipids. Biochem Pharmacol 27(17):2115–8, 1978
ENZYME ACTIVATION, drug effects/ *HISTAMINE LIBERATION, drug effects/ MAST CELLS, drug effects/ *MAST CELLS, metabolism/ PHOSPHOLIPASE, metabolism/ *PHOSPHOLIPASE, pharmacodynamics/ *PHOSPHOLIPIDS, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ RATS/ TIME FACTORS

4313. **White GH, Walmsley RN:** Can the initial clinical assessment of thyroid function be improved? Lancet 2(8096):933–5, 28 Oct 78
EVALUATION STUDIES/ HUMAN/ *HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, physiopathology/ *HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, physiopathology/ IN VITRO/ *THYROID FUNCTION TESTS/ *THYROID GLAND, physiopathology/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4314. **White GL, Archer LT, Beller BK, et al:** Increased survival with methylprednisolone treatment in canine endotoxin shock. J Surg Res 25(4):357–64, Oct 78
ANIMAL/ BLOOD SUGAR/ DOGS/ ESCHERICHIA COLI/ FEMALE/ HEMATOCRIT/ *METHYLPREDNISOLONE, therapeutic use/ SHOCK, SEPTIC, blood/ *SHOCK, SEPTIC, drug therapy/ SHOCK, SEPTIC, mortality/ UNITED STATES GOV'T SUPPORTED

4315. **White IL, Catz B, Bronson DL:** Incomplete descent of the thyroid. Ear Nose Throat J 57(12):528–32, Dec 78
ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYOID BONE, pathology/ *THYROGLOSSAL CYST, pathology/ *THYROID GLAND, abnormalities

4316. **White IN:** Metabolic activation of acetylenic substituents to derivatives in the rat causing the loss of hepatic cytochrome P-450 and haem. Biochem J 174(3):853–61, 15 Sep 78
ACETAMIDES, pharmacodynamics/ *ACETYLENE, pharmacodynamics/ *ALKYNES, pharmacodynamics/ ANIMAL/ *CYTOCHROME P-450, metabolism/ DANAZOL, pharmacodynamics/ *HEME, metabolism/ LIVER, drug effects/ *LIVER, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ PIGMENTS, metabolism/ PROTEIN BINDING/ RATS

4317. **White JG, Gerrard JM:** Platelet morphology and the ultrastructure of regulatory mechanisms involved in platelet activation. pp. 17–34.
In: de Gaetano G, Garattini S, ed. Platelets: a multidisciplinary approach. New York, Raven Press, 1978. WH 300 I624p 1977. (37 ref.)
ANIMAL/ ARACHIDONIC ACIDS, physiology/ *BLOOD PLATELETS, physiology/ BLOOD PLATELETS, secretion/ *BLOOD PLATELETS, ultrastructure/ CALCIUM, physiology/ CELL MEMBRANE, ultrastructure/ CYTOPLASM, ultrastructure/ MONOGRAPH/ PROSTAGLANDINS, biosynthesis/ REVIEW/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4318. **White N, Brown Z, Yachnin M:** Effects of catecholamine manipulations on three different self-stimulation behaviors. Pharmacol Biochem Behav 9(3):273–8, Sep 78
ANIMAL/ COMPARATIVE STUDY/ *DOPAMINE BETA-HYDROXYLASE, antagonists & inhibitors/ DOPAMINE BETA-HYDROXYLASE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ HYPOTHALAMUS/ MALE/ *PIMOZIDE, pharmacodynamics/ RATS/ REINFORCEMENT (PSYCHOLOGY)/ *SELF STIMULATION, drug effects

4319. **Whittle BJ:** Inhibition of prostacyclin (PGI2) formation in the rat small-intestine and gastric mucosa by the ulcerogen, indomethacin [proceedings] Br J Pharmacol 64(3):438P, Nov 78
ANIMAL/ GASTRIC MUCOSA, drug effects/ *GASTRIC MUCOSA, metabolism/ IN VITRO/ *INDOMETHACIN, pharmacodynamics/ INTESTINE, SMALL, drug effects/ *INTESTINE, SMALL, metabolism/ *PROSTAGLANDINS X, biosynthesis/ *PROSTAGLANDINS, biosynthesis/ RATS

4320. **Whittle BJ, Moncada S, Vane JR:** Comparison of the effects of prostacyclin (PGI2), prostaglandin E1 and D2 on platelet

aggregation in different species. Prostaglandins 16(3):373–88, Sep 78
ANIMAL/ COMPARATIVE STUDY/ DIPYRIDAMOLE, pharmacodynamics/ DOGS/ HORSES/ HUMAN/ ORGANOPHOSPHORUS COMPOUNDS, pharmacodynamics/ *PLATELET AGGREGATION, drug effects/ PROSTAGLANDIN ANTAGONISTS, pharmacodynamics/ *PROSTAGLANDINS D, pharmacodynamics/ *PROSTAGLANDINS E, pharmacodynamics/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ RABBITS/ RATS/ RISTOCETIN, pharmacodynamics/ SHEEP/ SPECIES SPECIFICITY/ THEOPHYLLINE, pharmacodynamics

4321. **Whyte A:** H.C.G. and trophoblast antigenicity [letter] Lancet 2(8097):1003, 4 Nov 78
ANTIGENIC DETERMINANTS/ CELL MEMBRANE, immunology/ FEMALE/ *GONADOTROPINS, CHORIONIC, immunology/ HUMAN/ HL-A ANTIGENS/ MEMBRANE PROTEINS/ PREGNANCY/ PROTEIN CONFORMATION/ *TROPHOBLAST, cytology

4322. **Whyte MP, Haddad JG Jr:** Variable potency of intramuscular vitamin D preparations [letter] N Engl J Med 300(3):142, 18 Jan 79
INJECTIONS, INTRAMUSCULAR/ VITAMIN D, administration & dosage/ *VITAMIN D, standards

4323. **Wibaut FP, Voskuijl P:** De pil... tot hoelang? Ned Tijdschr Geneeskd 122(49):1926–32, 9 Dec 78 **(Dut)**
ADOLESCENCE/ ADULT/ CARDIOVASCULAR DISEASES, mortality/ *CONTRACEPTIVES, ORAL, adverse effects/ *DRUG UTILIZATION/ FEMALE/ HUMAN/ NETHERLANDS/ SMOKING, complications/ THROMBOEMBOLISM, chemically induced

4324. **Wical KE, Brussee P:** Effects of a calcium and vitamin D supplement on alveolar ridge resorption in immediate denture patients. J Prosthet Dent 41(1):4–11, Jan 79
*ALVEOLAR PROCESS/ ALVEOLAR PROCESS, radiography/ *BONE RESORPTION, prevention & control/ BONE RESORPTION, radiography/ CALCIUM, DIETARY, analysis/ *CALCIUM, DIETARY, therapeutic use/ CEPHALOMETRY/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ *DENTURE, COMPLETE, IMMEDIATE/ DIET/ DOUBLE-BLIND METHOD/ HUMAN/ JAW DISEASES, prevention & control/ JAW DISEASES, radiography/ PHOSPHORUS, analysis/ PLACEBOS/ *VITAMIN D, therapeutic use

4325. **Wickrema Sinha AJ, Shaw SR, Weber DJ:** Percutaneous absorption and excretion of tritium-labeled diflorasone diacetate, a new topical corticosteroid in the rat, monkey and man. J Invest Dermatol 71(6):372–7, Dec 78
ANIMAL/ *BETAMETHASONE, analogs & derivatives/ BETAMETHASONE, metabolism/ CYNOMOLGUS MONKEYS/ HUMAN/ MALE/ MONKEYS/ RATS/ *SKIN ABSORPTION/ TISSUE DISTRIBUTION/ TRITIUM, metabolism

4326. **Widerlöv E, Wide L, Sjöström R:** Effects of tricyclic antidepressants on human plasma levels of TSH, GH and prolactin. Acta Psychiatr Scand 58(5):449–56, Nov 78
ADULT/ *CHLORIMIPRAMINE, pharmacodynamics/ *DIBENZAZEPINES, pharmacodynamics/ HUMAN/ MALE/ *NORTRIPTYLINE, pharmacodynamics/ *PROLACTIN, blood/ RADIOIMMUNOSORBENT TEST/ *SOMATOTROPIN, blood/ THYROTROPIN RELEASING HORMONE, diagnostic use/ *THYROTROPIN, blood

4327. **Wiebe JP:** Isolated Sertoli cells from immature rats produce 20alpha-hydroxy-pregn-4-en-3-one from progesterone and 3beta,20alpha-dihydroxy-5alpha-pregnane from pregnenolone. Biochem Biophys Res Commun 84(4):1003–8, 30 Oct 78
ANIMAL/ CARBON RADIOISOTOPES/ CHROMATOGRAPHY, GAS/ *DIHYDROPROGESTERONE, biosynthesis/ MALE/ *PREGNANEDIOL, biosynthesis/ *PREGNENOLONE, metabolism/ *PROGESTERONE, analogs & derivatives/ *PROGESTERONE, metabolism/ RATS/ *SERTOLI CELLS, metabolism

4328. **Wiel-Masson D, Rozenbaum H, Papiernik E:** Aménorrhées constatées aprés arrêt des contraceptifs oraux. A propos d'une enquête nationale. Gynecologie 29(4):359–64, 1978 **(Fre)**
ADOLESCENCE/ ADULT/ *AMENORRHEA, etiology/ *CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ FRANCE/ HEALTH SURVEYS/ HUMAN/ MIDDLE AGE/ TIME FACTORS

4329. **Wiele RL, Antunes JL, Ferin M:** Neural control of gonadotropin secretion in primates. Am J Obstet Gynecol 132(7):752–7, 1 Dec 78 (36 ref.)
ANIMAL/ ESTRADIOL, pharmacodynamics/ *ESTRADIOL, physiology/ FEEDBACK/ FEMALE/ *GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, physiology/ LH, secretion/ MEDIAN EMINENCE, blood supply/ MENSTRUATION/ MONKEYS/ NEURONS, EFFERENT, physiology/ PITUITARY GLAND, ANTERIOR, blood supply/ *PITUITARY HORMONE RELEASING HORMONES, physiology/ *PREOPTIC AREA, physiology/ REVIEW/ RHESUS MONKEYS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4330. **Wiest WG:** Reminiscences and comments on progesterone research. Ann NY Acad Sci 286:446–9, 11 Mar 77
ANIMAL/ DRUG INTERACTIONS/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ *PROGESTERONE, history/ PROGESTERONE, metabolism/ PROGESTERONE, pharmacodynamics/ PROTEINS, metabolism/ RATS/ RESEARCH, history/ UTERUS, drug effects/ UTERUS, metabolism

4331. **Wildhirt E:** Eine besondere Verlaufsform der chronisch-persistierenden Hepatitis. MMW 120(46):1541–4, 17 Nov 78 (Eng. Abstr.) **(Ger)**
ADULT/ ALANINE AMINOTRANSFERASE, metabolism/ ASPARTATE AMINOTRANSFERASE, metabolism/ BIOPSY/ CASE REPORT/ CHRONIC DISEASE/ CORTICOTROPIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GLUTAMYL TRANSPEPTIDASE, metabolism/ *HEPATITIS, pathology/ HUMAN/ LIVER, pathology/ MALE/ MIDDLE AGE/ RECURRENCE

4332. **Wildt DE, Guthrie SC, Seager SW:** Ovarian and behavioral cyclicity of the laboratory maintained cat. Horm Behav 10(3):251–7, Jun 78
ANIMAL/ *ANIMALS, LABORATORY, physiology/ *CATS, physiology/ ESTRUS/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ *OVARY, physiology/ OVULATION, drug effects/ SEASONS/ *SEX BEHAVIOR, ANIMAL, physiology/ TIME FACTORS

4333. **Wiley ZD, Lavigne ME, Liu KM, et al:** The effect of hyperthyroidism on gastric emptying rates and pancreatic exocrine and biliary secretion in man. Am J Dig Dis 23(11):1003–8, Nov 78
ADOLESCENCE/ ADULT/ BILE ACIDS AND SALTS, secretion/ *BILE, secretion/ *GASTRIC EMPTYING/ HUMAN/ *HYPERTHYROIDISM, physiopathology/ MALE/ MEAT/ MIDDLE AGE/ *PANCREATIC JUICE, secretion/ UNITED STATES GOV'T SUPPORTED

4334. **Wilk AL, King CT, Pratt RM Jr:** Enhancement of chlorcyclizine teratogenicity in the rat by coadministration of calcium chelating agents. Teratology 18(2):193–8, Oct 78
ABNORMALITIES, DRUG-INDUCED/ ANIMAL/ BINDING, COMPETITIVE/ *CALCIUM, metabolism/ CHELATING AGENTS, pharmacodynamics/ CHLORCYCLIZINE, metabolism/ *CHLORCYCLIZINE, toxicity/ CLEFT PALATE, etiology/ *EMBRYO, drug effects/ EMBRYO, metabolism/ FEMALE/ GESTATIONAL AGE/ PREGNANCY/ RATS/ TERATOGENS

4335. **Williams AJ, Barrie SE:** Temperature effects on the kinetics of calcium transport by cardiac mitochondria. Biochem Biophys Res Commun 84(1):89–94, 14 Sep 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ KINETICS/ *MITOCHONDRIA, HEART, metabolism/ OXYGEN

CONSUMPTION/ RABBITS/ TEMPERATURE

4336. **Williams GA, Bowser EN, Hargis GK, et al:** Effect of ethanol on parathryroid hormone and calcitonin secretion in man. Proc Soc Exp Biol Med 159(2):187–91, Nov 78
ADULT/ ALCOHOL, ETHYL, administration & dosage/ *ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ CALCITONIN, blood/ *CALCITONIN, secretion/ CALCIUM, blood/ CATTLE/ HUMAN/ HYPOCALCEMIA, chemically induced/ IN VITRO/ MALE/ MIDDLE AGE/ *PARATHYROID GLANDS, drug effects/ PARATHYROID GLANDS, secretion/ PARATHYROID HORMONE, blood/ *PARATHYROID HORMONE, secretion/ UNITED STATES GOV'T SUPPORTED

4337. **Williams GM, Bermudez E, San RH, et al:** Rat hepatocyte primary cultures. IV. Maintenance in defined medium and the role of production of plasminogen activator and other proteases. In Vitro 14(10):824–37, Oct 78
CELL SURVIVAL, drug effects/ CELLS, CULTURED/ *CULTURE MEDIA/ DEXAMETHASONE, pharmacodynamics/ *LIVER/ *PEPTIDE HYDROLASES, biosynthesis/ *PLASMINOGEN ACTIVATORS, biosynthesis/ PROTEASE INHIBITORS, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4338. **Williams HJ, Barkhan P, Slater NG:** Testicular relapse in acute leukaemia [letter] Lancet 2(8100):1152, 25 Nov 78
CHILD/ CLINICAL RESEARCH/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ MALE/ *NEOPLASM RECURRENCE, LOCAL, prevention & control/ PROGNOSIS/ RANDOM ALLOCATION/ *TESTICULAR NEOPLASMS, radiotherapy/ *TESTIS, radiation effects

4339. **Williams JA, Korc M, Dormer RL:** Action of secretagogues on a new preparation of functionally intact, isolated pancreatic acini. Am J Physiol 235(5):517–24, Nov 78
ADENOSINE TRIPHOSPHATE, metabolism/ *AMYLASES, secretion/ ANIMAL/ CAERULEIN, pharmacodynamics/ CALCIUM, pharmacodynamics/ CELL SEPARATION, methods/ DRUG INTERACTIONS/ MALE/ MICE/ PANCREAS, cytology/ PANCREAS, enzymology/ *PANCREAS, secretion/ *PARASYMPATHOMIMETICS, pharmacodynamics/ RECEPTORS, HORMONE, drug effects/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4340. **Williams RF, Johnson DK, Hodgen GD:** Ovarian estradiol secretion during early pregnancy in monkeys: luteal versus extra-luteal secretion and effect of chorionic gonadotropin. Steroids 32(4):539–45, Nov 78
ANIMAL/ CORPUS LUTEUM, drug effects/ *CORPUS LUTEUM, physiology/ CYNOMOLGUS MONKEYS/ *ESTRADIOL, blood/ FEMALE/ *GONADOTROPINS, CHORIONIC, pharmacodynamics/ MONKEYS/ OVARY, drug effects/ *OVARY, physiology/ PREGNANCY/ *PREGNANCY, ANIMAL/ PROGESTERONE, blood/ RHESUS MONKEYS

4341. **Williamson BW, Strange RC, Percy-Robb IW:** A constant-volume ultrafiltration technique for the calculation of equilbrium binding data. Biochim Biophys Acta 543(3):397–402, 18 Oct 78
ALBUMINS, metabolism/ CALCIUM, metabolism/ HYDROSTATIC PRESSURE/ LIGANDS/ MOLECULAR WEIGHT/ *PROTEIN BINDING/ *ULTRAFILTRATION, methods

4342. **Willis JS, Ellory JC, Becker JH:** Na-K pump and Na-K-ATPase: disparity of their temperature sensitivity. Am J Physiol 235(5):C159–67, Nov 78
*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ CALCIUM, metabolism/ CHIPMUNKS/ ERYTHROCYTE MEMBRANE, metabolism/ GUINEA PIGS/ KIDNEY CORTEX, metabolism/ OSMOLAR CONCENTRATION/ *POTASSIUM, metabolism/ *SODIUM, metabolism/ *TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4343. **Willmott FE, Mair HJ:** Genital herpesvirus infection in women attending a venereal diseases clinic. Br J Vener Dis 54(5):341–3, Oct 78
ADOLESCENCE/ ADULT/ CONTRACEPTIVES, ORAL/ FEMALE/ *GENITAL DISEASES, FEMALE, complications/ *HERPESVIRUS INFECTIONS, complications/ HUMAN/ MIDDLE AGE/ MONILIASIS, complications/ *VENEREAL DISEASES, complications

4344. **Wilson BW, Lynch HJ, Ozaki Y:** 5-Methoxytryptophol in rat serum and pineal: detection, quantitation, and evidence for daily rhythmicity. Life Sci 23(10):1019–23, 11 Sep 78
ANIMAL/ CHROMATOGRAPHY, GAS/ CIRCADIAN RHYTHM/ INDOLES, analysis/ INDOLES, blood/ *INDOLES, metabolism/ MELATONIN, analysis/ METHODS/ *PINEAL BODY, metabolism/ RADIOIMMUNOASSAY/ RATS/ SPECTRUM ANALYSIS, MASS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4345. **Wilson CM, Erdös EG, Wilson JD, et al:** Location on chromosome 1 of Rnr, a gene that regulates renin in the submaxillary gland of the mouse.
Proc Natl Acad Sci USA 75(11):5623–6, Nov 78
ANIMAL/ CHROMOSOMES, metabolism/ CROSSES, GENETIC/ *GENES, REGULATOR/ MICE/ MICE, INBRED STRAINS/ RECOMBINATION, GENETIC/ *RENIN, genetics/ RENIN, metabolism/ *SUBMANDIBULAR GLAND, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4346. **Wilson EL, Reich E:** Plasminogen activator in chick fibroblasts: induction of synthesis by retinoic acid; synergism with viral transformation and phorbol ester. Cell 15(2):385–92, Oct 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *CELL TRANSFORMATION, VIRAL/ CELLS, CULTURED/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GENES, VIRAL/ KINETICS/ *PHORBOLS, pharmacodynamics/ SARCOMA, EXPERIMENTAL, familial & genetic/ *TETRADECANOYLPHORBOL ACETATE, pharmacodynamics/ *TRETINOIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *VITAMIN A, analogs & derivatives/ VITAMIN A, pharmacodynamics

4347. **Wilson MJ, Ahmed K:** Enzymic properties and effects of androgen on nuclear histone phosphatase activity of rat ventral prostate. Exp Cell Res 117(1):71–8, Nov 78
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ *ANDROGENS, physiology/ ANIMAL/ CASTRATION/ CATIONS, DIVALENT, pharmacodynamics/ DITHIOTHREITOL, pharmacodynamics/ HISTONES/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ OSMOLAR CONCENTRATION/ *PHOSPHOPROTEIN PHOSPHATASES, metabolism/ *PROSTATE, enzymology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4348. **Wilson SC:** Relationship between plasma concentration of luteinising hormone and intensity of lay in the domestic hen. Br Poult Sci 19(5):643–50, Sep 78
AGE FACTORS/ ANIMAL/ *CHICKENS, physiology/ FEMALE/ *LH, blood/ *OVIPOSITION/ PUBERTY/ SEX MATURATION

4349. **Wilson SC:** LH secretion in the cockerel and the effects of castration and testosterone injections.
Gen Comp Endocrinol 35(4):481–90, Aug 78
AGE FACTORS/ ANIMAL/ CASTRATION/ CHICKENS, growth & development/ *CHICKENS, physiology/ FEEDBACK/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ LH, blood/ *LH, secretion/ MALE/ TESTOSTERONE, pharmacodynamics

4350. **Wiltner W, Szabolcsi LM:** Middle-altitude edema and aldosterone [letter] JAMA 241(4):360, 26 Jan 79
ADRENAL CORTEX, secretion/ ALDOSTERONE, blood/ *ALDOSTERONE, secretion/ *ALTITUDE/ *ASTHMA, physiopathology/ *EDEMA, etiology/ HUMAN

4351. **Winaver J, Puschett JB:** Structural determinants of the renal tubular activity of vitamin D(3) derivatives: studies with 1 alpha-hydroxy, 24R,25-dihydroxy, and a 1 alpha,

24R,25-trihydroxy vitamin D(3). Proc Soc Exp Biol Med 159(2):204–9, Nov 78
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ *DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ DOGS/ FEMALE/ *HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ *KIDNEY TUBULES, drug effects/ KIDNEY TUBULES, metabolism/ PHOSPHATES, metabolism/ PHOSPHATES, urine/ SODIUM, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4352. **Wing SD:** Direct sagittal scans in computed tomography of the orbits. CT 2(2):109–12, Jun 78
CASE REPORT/ *GOITER, EXOPHTHALMIC, radiography/ HUMAN/ MALE/ MIDDLE AGE/ *ORBIT, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL, methods

4353. **Wingerup L, Andersson KE, Ulmsten U:** Ripening of the uterine cervix and induction of labour at term with prostaglandin E2 in viscous gel. Acta Obstet Gynecol Scand 57(5):403–6, 1978
ADOLESCENCE/ ADULT/ *CERVIX UTERI, drug effects/ CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ FEMALE/ GELS/ HUMAN/ *LABOR, INDUCED/ OXYTOCIN/ PILOT PROJECTS/ PREGNANCY/ PROSTAGLANDINS E, administration & dosage/ *PROSTAGLANDINS E, therapeutic use/ TIME FACTORS/ UTERINE CONTRACTION, drug effects

4354. **Winkelmann W, Rompe G, Schulitz KP, et al:** Der metatropische Zwergwuchs. Unterschiedlicher Gestaltwandel bei einem eineiigen Zwillingspaar. Z Orthop 116(5):691–6, 1978 (Eng. Abstr.) **(Ger)**
CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ *DISEASES IN TWINS/ *DWARFISM, complications/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ *KYPHOSIS, etiology/ KYPHOSIS, radiography/ MALE/ *SCOLIOSIS, etiology/ SCOLIOSIS, radiography/ TWINS, MONOZYGOTIC

4355. **Winkler RH:** The effect of halides (NaCl and NaI) on in vitro pancreatic elastase activity. Connect Tissue Res 6(2):89–92, 1978
DOSE-RESPONSE RELATIONSHIP, DRUG/ ELASTIN, metabolism/ *IODIDES, pharmacodynamics/ KINETICS/ PANCREAS, enzymology/ *PANCREATOPEPTIDASE, metabolism/ *SODIUM CHLORIDE, pharmacodynamics/ *SODIUM IODIDE, pharmacodynamics

4356. **Winter JS, Faiman C, Reyes FI:** Sex steroid production by the human fetus: its role in morphogenesis and control by gonadotropins. Birth Defects 13(2):41–58, 1977 (62 ref.)
ANDROGENS, blood/ ANDROGENS, metabolism/ ESTROGENS, blood/ ESTROGENS, metabolism/ FEMALE/ *FETUS, metabolism/ *GENITALIA, embryology/ *GONADOTROPINS, physiology/ HUMAN/ HYPOTHALAMUS, physiology/ LH-FSH RELEASING HORMONE, physiology/ MALE/ MORPHOGENESIS/ OVARY, embryology/ PITUITARY GLAND, physiology/ RECEPTORS, HORMONE/ REVIEW/ SEX DIFFERENTIATION/ *SEX HORMONES, biosynthesis/ TESTIS, embryology

4357. **Wirth A, Träger E, Scheele K, et al:** Cardiopulmonary adjustment and metabolic response to maximal and submaximal physical exercise of boys and girls at different stages of maturity. Eur J Appl Physiol 39(4):229–40, 20 Oct 78
ADOLESCENCE/ *AGING/ BLOOD SUGAR/ BODY WEIGHT/ CARDIAC VOLUME/ CHILD/ COMPARATIVE STUDY/ *EXERTION/ FEMALE/ HEART RATE/ HEART, anatomy & histology/ HUMAN/ LACTATES, blood/ MALE/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ SEX FACTORS/ SOMATOTROPIN, blood

4358. **Wirth JC, Lohman TG, Avallone JP Jr, et al:** The effect of physical training on the serum iron levels of college-age women. Med Sci Sports 10(3):223–6, Fall 78
ADULT/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HEMATOCRIT/ HEMOGLOBINS, analysis/ HUMAN/ *IRON, blood/ MENSTRUATION/ OXYGEN CONSUMPTION/ *PHYSICAL EDUCATION AND TRAINING

4359. **Wirz-Justice A, Krauchi K, Lichtsteiner M, et al:** Is it possible to modify serotonin receptor sensitivity? Life Sci 23(12):1249–54, 25 Sep 78
ANIMAL/ CATIONS, pharmacodynamics/ CEREBRAL CORTEX, metabolism/ CHLORIMIPRAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ MAPROTILINE, pharmacodynamics/ METHERGOLINE, pharmacodynamics/ RATS/ *RECEPTORS, SEROTONIN, drug effects/ RECEPTORS, SEROTONIN, metabolism/ SEROTONIN, metabolism

4360. **Witek F:** Inhalative Steroidbehandlung. Wien Med Wochenschr 128(18):603–5, 10 Oct 78 **(Ger)**
ACUTE DISEASE/ ADRENAL CORTEX HORMONES, administration & dosage/ *ADRENAL CORTEX HORMONES, therapeutic use/ AEROSOLS/ ASTHMA, drug therapy/ BRONCHITIS, drug therapy/ CHRONIC DISEASE/ DEXAMETHASONE, therapeutic use/ HUMAN/ PREDNISOLONE, therapeutic use/ *RESPIRATORY THERAPY/ TUBERCULOSIS, PULMONARY, drug therapy/ VIRUS DISEASES, drug therapy

4361. **Witiak DT, Cavestri RC, Newman HA, et al:** Synthesis and pharmacological evaluation of a clofibrate-related tricyclic spirolactone, 5-chloro-4',5-dihydrospiro[benzofuran-2(3H),3'(2'H)-furan] J Med Chem 21(12):1198–202, Dec 78
ANIMAL/ *ANTILIPEMIC AGENTS, chemical synthesis/ *CLOFIBRATE, analogs & derivatives/ CLOFIBRATE, blood/ CLOFIBRATE, chemical synthesis/ CLOFIBRATE, pharmacodynamics/ HYPERLIPEMIA, chemically induced/ HYPERLIPEMIA, drug therapy/ LIVER, drug effects/ LIVER, metabolism/ MALE/ RATS/ *SPIRONOLACTONE, analogs & derivatives/ SPIRONOLACTONE, blood/ SPIRONOLACTONE, chemical synthesis/ SPIRONOLACTONE, pharmacodynamics/ SUCROSE, pharmacodynamics/ TRITONS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4362. **Wöhler W, Bartram CR, Schürer CC, et al:** Benzpyrene metabolism in human diploid fibroblasts. Monogr Hum Genet 10:165–70, 1978
AMINOPHYLLINE, pharmacodynamics/ *BENZOPYRENES, metabolism/ CELLS, CULTURED/ DIPLOIDY/ DNA, metabolism/ FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ FLAVONES, pharmacodynamics/ HUMAN/ KINETICS/ METYRAPONE, pharmacodynamics/ NAPHTHALENES, pharmacodynamics/ SKIN, drug effects/ *SKIN, metabolism

4363. **Wojcieszek Z, Majewski S:** Telegammaterapia nowotworów złośliwych jądra. Pol Tyg Lek 33(49):1881–3, 4 Dec 78 (Eng. Abstr.) **(Pol)**
ADULT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ POSTOPERATIVE CARE/ *RADIOISOTOPE TELETHERAPY/ *TESTICULAR NEOPLASMS, radiotherapy/ TESTICULAR NEOPLASMS, surgery

4364. **Wojtczak J:** Contractures and increase in internal longitudianl resistance of cow ventricular muscle induced by hypoxia. Circ Res 44(1):88–95, Jan 79
ANIMAL/ *ANOXIA, physiopathology/ CALCIUM, metabolism/ CATTLE/ ELECTRIC CONDUCTIVITY/ ELECTRIC STIMULATION/ EPINEPHRINE, pharmacodynamics/ EXTRACELLULAR SPACE, metabolism/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ INTERCELLULAR JUNCTIONS/ MICROELECTRODES/ *MYOCARDIAL CONTRACTION/ MYOCARDIUM, metabolism/ PERFUSION/ SOLUTIONS

4365. **Wold J, Edna TH:** Torsjon av appendix testis. Tidsskr Nor Laegeforen 98(33):1693–4, 30 Nov 78 (Eng. Abstr.) **(Nor)**
ADOLESCENCE/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ MALE/ *SPERMATIC CORD TORSION/ SPERMATIC

CORD TORSION, embryology/ TESTIS, anatomy & histology/ TESTIS, embryology

4366. **Wolf LM, Houdent C:** Les problèmes thérapeutiques de l'insuffisance thyroïdienne chez l'adulte. Rev Prat 28(43):3343–4, 3347–8, 3351–3, 1 Oct 78 (Eng. Abstr.) **(Fre)**
ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ COMA, drug therapy/ CORONARY DISEASE, drug therapy/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPOTHYROIDISM, drug therapy/ MALE/ PREGNANCY COMPLICATIONS/ PREGNANCY/ *THYROID HORMONES, therapeutic use

4367. **Wolfe BB, Harden TK, Sporn JR, et al:** Presynaptic modulation of beta adrenergic receptors in rat cerebral cortex after treatment with antidepressants. J Pharmacol Exp Ther 207(2):446–57, Nov 78
ADENYL CYCLASE, metabolism/ ANIMAL/ *CEREBRAL CORTEX, drug effects/ DESIPRAMINE, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ IPRINDOLE, pharmacodynamics/ MALE/ PARGYLINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ *RECEPTORS, ADRENERGIC, urine/ RECEPTORS, ADRENERGIC, BETA, pharmacodynamics/ *RECEPTORS, ADRENERGIC, BETA, urine/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4368. **Wolff G, Rieche K:** Zur Androgentherapie des inkurablen Mammakarzinoms Kontrollierter klinischer Versuch: Nandrolon-Testololakton-Drostanolon. Onkologie 1(4):172–4, Aug 78 (Eng. Abstr.) **(Ger)**
*ANDROGENS, SYNTHETIC, therapeutic use/ *ANDROSTENES, therapeutic use/ *BREAST NEOPLASMS, drug therapy/ CLINICAL RESEARCH/ CYCLOPHOSPHAMIDE, therapeutic use/ DROMOSTANOLONE, therapeutic use/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ NANDROLONE, therapeutic use/ VIRILISM, chemically induced

4369. **Wollman SH, Herveg JP:** Thyroid capsule changes during the development of thyroid hyperplasia in the rat. Am J Pathol 93(3):639–54, Dec 78
ANIMAL/ BLOOD VESSELS, pathology/ CONNECTIVE TISSUE, pathology/ FIBROBLASTS/ HYPERPLASIA/ LEUKOCYTES/ LYMPHATIC SYSTEM, pathology/ MALE/ RATS/ THIOURACIL/ THYROID DISEASES, chemically induced/ *THYROID DISEASES, pathology/ THYROID GLAND, blood supply/ *THYROID GLAND, pathology

4370. **Wolny H, Rościszewska D, Guz I:** Zmiana tolerancji na dwufenylhydantoinę w okresie pokwitania u 16–letniej chorej na padaczkę Neurol Neurochir Pol 12(5):663–5, 1978 (Eng. Abstr.) **(Pol)**
ADOLESCENCE/ CASE REPORT/ DRUG TOLERANCE/ ENGLISH ABSTRACT/ *EPILEPSY, drug therapy/ FEMALE/ HUMAN/ MENIERE'S DISEASE, chemically induced/ NYSTAGMUS, chemically induced/ *PHENYTOIN, toxicity/ PHENYTOIN, therapeutic use/ *PUBERTY/ VERTIGO, chemically induced

4371. **Wolny HL, Kowalski M, Sliwa P:** Współczesne poglądy na okres przekwitania u kobiet. Wiad Lek 31(19):1369–74, 1 Oct 78 (59 ref.) (Eng. Abstr.) **(Pol)**
*CLIMACTERIC/ CLIMACTERIC, drug effects/ ENGLISH ABSTRACT/ ESTROGENS, administration & dosage/ ESTROGENS, secretion/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MENOPAUSE/ MIDDLE AGE/ OVARY, physiopathology/ REVIEW/ TIME FACTORS/ UTERINE NEOPLASMS, physiopathology

4372. **Wong DT, Bymaster FP:** An inhibitor of dopamine uptake, LR5182, cis-3-(3,4-dichlorophenyl)-2-n,n-dimethylaminomethyl-bic hydrochloride. Life Sci 23(10):1041–7, 11 Sep 78
ANIMAL/ *BICYCLO COMPOUNDS, pharmacodynamics/ *BRIDGED COMPOUNDS, pharmacodynamics/ CORPUS STRIATUM, drug effects/ *CORPUS STRIATUM, metabolism/ CORPUS STRIATUM, ultrastructure/ DIMETHYLAMINES, pharmacodynamics/ *DOPAMINE, metabolism/ IN VITRO/ MALE/ MOLECULAR CONFORMATION/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ *SYNAPTOSOMES, metabolism

4373. **Wong EH, Loten EG, Park CR:** The correlation of cyclic AMP and protein kinase activity in adipocytes with lipolysis stimulated by ACTH: the effect of adenosine deaminase and actinomycin D. J Cyclic Nucleotide Res 4(5):359–74, Oct 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ *ADENOSINE DEAMINASE, pharmacodynamics/ ADENOSINE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ *ADIPOSE TISSUE, metabolism/ ANIMAL/ *CORTICOTROPIN, pharmacodynamics/ *DACTINOMYCIN, pharmacodynamics/ FASTING/ IN VITRO/ *LIPIDS, metabolism/ MALE/ *NUCLEOSIDE DEAMINASES, pharmacodynamics/ *PROTEIN KINASE, metabolism/ RATS/ STIMULATION, CHEMICAL/ TIME FACTORS

4374. **Wong GL:** Induction of metabolic changes and down regulation of bovine parathyroid hormone-responsive adenylate cyclase are dissociable in isolated osteoclastic and osteoblastic bone cells. J Biol Chem 254(1):34–7, 10 Jan 79
*ADENYL CYCLASE, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ *BONE AND BONES, enzymology/ CALCIUM, pharmacodynamics/ CATTLE/ CELL MEMBRANE, enzymology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME ACTIVATION/ KINETICS/ MICE/ *OSTEOBLASTS, enzymology/ *OSTEOCLASTS, enzymology/ *PARATHYROID HORMONE, pharmacodynamics

4375. **Wong HB, Chua TS, Singh N:** Sex chromosome abnormalities and crime. Mod Med Asia 14(11):11–5, Nov 78
ADOLESCENCE/ ADULT/ AGED/ CHILD/ *CRIME/ FEMALE/ HUMAN/ MALE/ MASS SCREENING/ MIDDLE AGE/ PRISONERS/ *SEX CHROMOSOME ABNORMALITIES

4376. **Wong NT, Candido EP:** Histone H3 thiol reactivity as a probe of nucleosome structure. J Biol Chem 253(22):8263–8, 25 Nov 78
ANIMAL/ *CELL NUCLEUS, ultrastructure/ ETHYLMALEIMIDE/ *HISTONES/ KINETICS/ MALE/ OSMOLAR CONCENTRATION/ PEPTIDE FRAGMENTS, analysis/ SULFHYDRYL COMPOUNDS, analysis/ TESTIS/ TROUT

4377. **Wong PY, McGiff JC, Cagen L, et al:** Metabolism of prostacyclin in the rabbit kidney. J Biol Chem 254(1):12–4, 10 Jan 79
ANIMAL/ CHROMATOGRAPHY, GAS/ *KIDNEY, metabolism/ MALE/ *PROSTAGLANDINS X, metabolism/ *PROSTAGLANDINS, metabolism/ RABBITS/ SPECTRUM ANALYSIS, MASS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4378. **Wood BC, Sharma JN, Germann DR, et al:** Gallium citrate Ga 67 imaging in noninfectious interstitial nephritis. Arch Intern Med 138(11):1665–6, Nov 78
ADULT/ CASE REPORT/ FEMALE/ *GALLIUM RADIOISOTOPES, diagnostic use/ HUMAN/ MIDDLE AGE/ NEPHRITIS, INTERSTITIAL, drug therapy/ NEPHRITIS, INTERSTITIAL, pathology/ *NEPHRITIS, INTERSTITIAL, radionuclide imaging/ PREDNISONE, therapeutic use

4379. **Wood JD, Mayer CJ:** Slow synaptic excitation mediated by serotonin in Auerbach's plexus. Nature 276(5690):836–7, 21--28 Dec 78
ACTION POTENTIALS, drug effects/ ANIMAL/ ELECTRIC STIMULATION/ GUINEA PIGS/ KINETICS/ MEMBRANE POTENTIALS, drug effects/ *MYENTERIC PLEXUS, physiology/ *NEURAL TRANSMISSION, drug effects/ NEUROHUMORS, physiology/ *SEROTONIN, pharmacodynamics/ SEROTONIN, physiology

4380. **Woods HF, Ash G, Weston MJ, et al:** Prostacyclin can replace heparin in haemodialysis in dogs. Lancet 2(8099):1075–7, 18 Nov 78
ANIMAL/ BLOOD CELL COUNT/ BLOOD PLATELETS, cytology/ COMPARATIVE STUDY/

DOGS/ DRUG EVALUATION/ *HEMODIALYSIS/ HEPARIN, administration & dosage/ *HEPARIN, pharmacodynamics/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ *PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS X, administration & dosage/ *PROSTAGLANDINS X, pharmacodynamics/ *PROSTAGLANDINS, pharmacodynamics/ *THROMBOEMBOLISM, prevention & control/ *THROMBOPENIA, prevention & control

4381. **Woody CD, Swartz BE, Gruen E:** Effects of acetylcholine and cyclic GMP on input resistance of cortical neurons in awake cats. Brain Res 158(2):373–95, 15 Dec 78
*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ CATS/ CEREBRAL CORTEX, drug effects/ *CEREBRAL CORTEX, physiology/ *ELECTRIC STIMULATION, methods/ EVOKED POTENTIALS, drug effects/ *GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IONTOPHORESIS/ NEURONS, drug effects/ *NEURONS, physiology/ REFRACTORY PERIOD, NEUROLOGIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ *WAKEFULNESS, physiology

4382. **Worret WI, Burgdorf W:** Angeborenes plattenartiges Osteoma cutis bei einem Säugling. Hautarzt 29(11):590–6, Nov 78 (Eng. Abstr.) **(Ger)**
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MALE/ *OSTEOMA, congenital/ OSTEOMA, pathology/ PSEUDOHYPOPARATHYROIDISM, diagnosis/ *SKIN NEOPLASMS, congenital/ SKIN NEOPLASMS, pathology

4383. **Wouters D, Sautiere P, Biserte G:** Primary structure of histone H2A from gonad of the sea urchin Psammechinus miliaris. Eur J Biochem 90(2):231–9, Oct 78
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ ANIMAL/ CATTLE/ COMPARATIVE STUDY/ GONADS, analysis/ *HISTONES/ MALEATES/ PEPTIDE FRAGMENTS, analysis/ *SEA URCHINS, analysis/ SPECIES SPECIFICITY/ TRYPSIN

4384. **Wray BB:** Pharmacologic management of asthma in childhood. South Med J 71(11):1387–92, 1396, Nov 78
ADRENAL CORTEX HORMONES, therapeutic use/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ADRENERGIC RECEPTOR AGONISTS, therapeutic use/ AMINOPHYLLINE, therapeutic use/ *ASTHMA, drug therapy/ CHILD/ EPHEDRINE, therapeutic use/ EPINEPHRINE, therapeutic use/ EXPECTORANTS, therapeutic use/ HISTAMINE H1 RECEPTOR BLOCKADERS, therapeutic use/ HUMAN

4385. **Wright JE, Stewart WB:** Orbital surgery.
Int Ophthalmol Clin 18(3):149–67, Fall 78 (12 ref.)
BONE DISEASES, diagnosis/ BONE DISEASES, occurrence/ BONE DISEASES, surgery/ DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS, diagnosis/ EXOPHTHALMOS, etiology/ EXOPHTHALMOS, surgery/ HUMAN/ *ORBIT, surgery/ ORBITAL NEOPLASMS, diagnosis/ ORBITAL NEOPLASMS, occurrence/ ORBITAL NEOPLASMS, surgery/ REVIEW

4386. **Wright NA, Al-Dewachi HS, Appleton DR, et al:** The effect of single and of multiple doses of prednisolone tertiary butyl acetate on cell population kinetics in the small bowel mucosa of the rat. Virchows Arch [Cell Pathol] 28(4):339–50, 6 Nov 78
ANIMAL/ AUTORADIOGRAPHY/ *CELL DIVISION, drug effects/ *INTESTINAL MUCOSA, drug effects/ JEJUNUM, drug effects/ MALE/ MITOTIC INDEX/ *PREDNISOLONE, analogs & derivatives/ PREDNISOLONE, pharmacodynamics/ RATS/ TIME FACTORS/ VINCRISTINE

4387. **Wu JM, Cheung CP, Suhadolnik RJ:** Stimulation of the protein synthetic process by adenosine 3':5'-monophosphate and hexose phosphates in gel-filtered rabbit reticulocyte lysates. J Biol Chem 253(23):8578–82, 10 Dec 78
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ *BLOOD PROTEINS, biosynthesis/ CHROMATOGRAPHY, GEL/ *HEXOSEPHOSPHATES, pharmacodynamics/ KINETICS/ PEPTIDE CHAIN INITIATION, drug effects/ RABBITS/ RETICULOCYTES, drug effects/ *RETICULOCYTES, metabolism/ *TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4388. **Wurtman RJ:** Relation between choline availability, acetylcholine synthesis and cholinergic function. pp. 169–78.
In: Garattini S, ed. Depressive disorders. Stuttgart, Schattauer, 1978. W3 SY1055 v.13 1977.
*ACETYLCHOLINE, biosynthesis/ ADMINISTRATION, ORAL/ ADRENAL MEDULLA, enzymology/ ANIMAL/ *BRAIN, metabolism/ CAUDATE NUCLEUS, enzymology/ CAUDATE NUCLEUS, metabolism/ CENTRAL NERVOUS SYSTEM DISEASES, drug therapy/ CHOLINE, administration & dosage/ *CHOLINE, metabolism/ CHOLINE, pharmacodynamics/ CHOLINE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ HIPPOCAMPUS, metabolism/ INTUBATION, GASTROINTESTINAL/ MONOGRAPH/ NERVE ENDINGS, metabolism/ NEURONS, metabolism/ PHOSPHATIDYLCHOLINES, pharmacodynamics/ RATS/ TYROSINE HYDROXYLASE, metabolism

4389. **Wuttke H:** Zur Pathogenese der Basedow' schen Erkrankung. Fortschr Med 96(46):2325–8, 7 Dec 78 (Eng. Abstr.) **(Ger)**
ANTIBODY FORMATION/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, drug therapy/ GOITER, EXOPHTHALMIC, etiology/ *GOITER, EXOPHTHALMIC, physiopathology/ HUMAN/ LONG-ACTING THYROID STIMULATOR, secretion/ METHIMAZOLE, therapeutic use/ THYROID FUNCTION TESTS/ THYROID GLAND, immunology/ THYROID GLAND, physiopathology/ THYROTROPIN, secretion

4390. **Wyatt R, Waschek J, Weinberger M, et al:** Effects of inhaled beclomethasone dipropionate and alternate-day prednisone on pituitary-adrenal function in children with chronic asthma. N Engl J Med 299(25):1387–92, 21 Dec 78
ADMINISTRATION, ORAL/ ADOLESCENCE/ AEROSOLS/ *ASTHMA, drug therapy/ *BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, pharmacodynamics/ CHILD/ CLINICAL RESEARCH/ DESOXYCORTICOSTERONE, blood/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, urine/ METYRAPONE, diagnostic use/ *PITUITARY-ADRENAL SYSTEM, drug effects/ *PREDNISONE, administration & dosage/ PREDNISONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4391. **Wyshak G:** Statistical findings on the effects of fertility drugs on plural births. Prog Clin Biol Res 24 Pt B:17–33, 1978
CLOMIPHENE, pharmacodynamics/ FEMALE/ *FERTILITY AGENTS, FEMALE, pharmacodynamics/ FERTILITY AGENTS, FEMALE, SYNTHETIC, pharmacodynamics/ GONADOTROPINS, pharmacodynamics/ HUMAN/ INFANT, NEWBORN/ OVULATION, drug effects/ PREGNANCY/ *PREGNANCY, MULTIPLE, drug effects/ STATISTICS/ SUPEROVULATION, drug effects

Y

4392. **Yagil R, Etzion Z, Ganani J:** Camel thyroid metabolism: effect of season and dehydration. J Appl Physiol 45(4):540–4, Oct 78
ANIMAL/ *CAMELS, metabolism/ CARRIER PROTEINS, metabolism/ *DEHYDRATION/ FEMALE/ *SEASONS/ *THYROID GLAND, metabolism/ THYROTROPIN, metabolism/ THYROXINE, metabolism/ TIME FACTORS/ TRIIODOTHYRONINE, metabolism

4393. **Yaksh TL, Henry JL:** Antinociceptive effects of intrathecally administered human beta-endorphin in the rat and cat. Can J Physiol Pharmacol 56(5):754–9, Oct 78
*ANALGESICS/ ANIMAL/ CATS/ ENDORPHINS, administration & dosage/ ENDORPHINS, antagonists & inhibitors/ *ENDORPHINS, pharmacodynamics/

INJECTIONS, INTRATHECAL/ MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RATS/ REACTION TIME, drug effects

4394. **Yaksh TL:** Direct evidence that spinal serotonin and noradrenaline terminals mediate the spinal antinociceptive effects of morphine in the periaqueductal gray. Brain Res 160(1):180–5, 5 Jan 79
ANIMAL/ *CEREBRAL AQUEDUCT, drug effects/ INJECTIONS, INTRATHECAL/ METHYSERGIDE, pharmacodynamics/ *MORPHINE, pharmacodynamics/ NEURAL INHIBITION, drug effects/ *NOCICEPTORS, drug effects/ NOCICEPTORS, physiology/ *NOREPINEPHRINE, physiology/ PHENTOLAMINE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ *RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, SEROTONIN, drug effects/ *RECEPTORS, SEROTONIN, physiology/ *SEROTONIN, physiology/ SPINAL CORD, drug effects/ *SPINAL CORD, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4395. **Yamada K, Saito Y, Matsuoka N, et al:** Studies on adrenaline-induced lipolysis in adrenalectomized rats. Endocrinol Jpn 25(4):315–20, Aug 78
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADIPOSE TISSUE, analysis/ ADRENALECTOMY/ ANIMAL/ CORTICOSTERONE, blood/ *EPINEPHRINE, pharmacodynamics/ LIPASE, analysis/ *LIPIDS, metabolism/ MALE/ PROTEINS, analysis/ RATS

4396. **Yamada K, Asako K, Masuda Y, et al:** [Testicular feminization syndrome discovered in infancy in brothers] Horumon To Rinsho 26(11):1203–7, Nov 78 **(Jpn)**
CASE REPORT/ CHILD, PRESCHOOL/ HUMAN/ MALE/ *TESTICULAR FEMINIZATION, familial & genetic

4397. **Yamada S:** [Action mechanism of prostaglandins] Kokubyo Gakkai Zasshi 45(3):508–9, Sep 78 **(Jpn)**
ANIMAL/ FEMALE/ MALE/ *PROSTAGLANDINS, physiology

4398. **Yamada Y, Ueshima H:** Methods of electrophoretical application of estrogen to a single neuron of the brain under in vivo and in vitro conditions. Endocrinol Jpn 25(4):397–401, Aug 78
ACTION POTENTIALS, drug effects/ ANIMAL/ BRAIN, cytology/ *BRAIN, drug effects/ CEREBRAL CORTEX, physiology/ DIENCEPHALON, physiology/ ELECTROPHORESIS, methods/ *ESTROGENS, pharmacodynamics/ FEMALE/ IN VITRO/ MALE/ MICROCHEMISTRY/ *NEURONS, drug effects/ NEURONS, physiology/ RATS

4399. **Yamaguchi H, Nose Y, Nishiyama Y, et al:** [A new method for the determination of serum human placental lactogen (HPL) by single radial immunodiffusion (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1281–9, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ENGLISH ABSTRACT/ FEMALE/ *GEL DIFFUSION TESTS, methods/ HUMAN/ *PLACENTAL LACTOGEN, blood/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY

4400. **Yamaguchi K, Kishimoto S:** Distinction between suppressors of the delayed-type hypersensitivity and the humoral response to sheep erythrocytes. Immunology 35(5):721–31, Nov 78
ANIMAL/ *ANTIBODY FORMATION/ ERYTHROCYTES, immunology/ GAMMA RAYS/ HYDROCORTISONE, pharmacodynamics/ *HYPERSENSITIVITY, DELAYED, immunology/ IMMUNOSUPPRESSION/ MALE/ MICE/ MICE, INBRED C57BL/ RADIATION TOLERANCE/ SPLEEN, cytology/ SPLEEN, immunology/ T-LYMPHOCYTES, drug effects/ *T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, radiation effects/ THYMECTOMY

4401. **Yamaguchi M, Yamamoto T:** A remarkable elevation of serum calcium concentration induced by ligation of bile duct. Chem Pharm Bull (Tokyo) 26(8):2568–71, Aug 78
ANIMAL/ *BILE DUCTS, surgery/ BILE, metabolism/ *CALCIUM, blood/ CALCIUM, metabolism/ LIGATION/ LIVER, metabolism/ MALE/ RATS

4402. **Yamamoto I:** [Clinical evaluation of bone scintigraphy with 99mTc-labeled phosphate compounds. I. Metastatic bone tumor (author's transl)] Nippon Igaku Hoshasen Gakkai Zasshi 38(9):862–78, 25 Sep 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ *BONE AND BONES, radionuclide imaging/ *BONE NEOPLASMS, radionuclide imaging/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ SODIUM ETIDRONATE, diagnostic use/ *TECHNETIUM, diagnostic use

4403. **Yamamoto T, Okano H, Okawa T, et al:** [A rapid and direct 125 I-based radioimmunoassay for unconjugated estriol in pregnancy serum and its clinical application (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(7):848–54, 20 Jul 78 (Eng. Abstr.) **(Jpn)**
ANENCEPHALY, diagnosis/ ENGLISH ABSTRACT/ *ESTRIOL, blood/ FEMALE/ FETAL DEATH, diagnosis/ *FETAL DISEASES, diagnosis/ HUMAN/ *PREGNANCY/ *RADIOIMMUNOASSAY

4404. **Yamamoto T, Otsubo K, Oshima K, et al:** [In vivo metabolism of unconjugated or conjugated estradiol-17 beta in the dog kidney (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(10):1103–15, 20 Oct 78 (Eng. Abstr.) **(Jpn)**
ANIMAL/ DOGS/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ *ESTRADIOL, metabolism/ ESTRADIOL, urine/ FEMALE/ GLUCURONATES, urine/ INJECTIONS, INTRA-ARTERIAL/ *KIDNEY, metabolism/ RENAL ARTERY

4405. **Yamamoto Y, Manyon AT, Osawa Y, et al:** Androgen metabolism in the baboon: a comparison with the human J Steroid Biochem 9(8):751–9, Aug 78
*ANDROSTENEDIONE, metabolism/ ANIMAL/ BABOONS/ BILE, metabolism/ COMPARATIVE STUDY/ FEMALE/ GLUCURONATES, metabolism/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ MONKEYS/ SEX FACTORS/ SPECIES SPECIFICITY/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4406. **Yamamoto Y, Osawa Y, Kirdani RY, et al:** Androgen metabolism in the dog. J Steroid Biochem 9(8):743–50, Aug 78
*ANDROSTENEDIONE, metabolism/ ANIMAL/ BILE, metabolism/ COMPARATIVE STUDY/ DOGS/ *EPITESTOSTERONE, metabolism/ KINETICS/ MALE/ *TESTOSTERONE, analogs & derivatives/ *TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4407. **Yamamoto Y, Peric-Golia P, Osawa Y, et al:** Androgen metabolism in sheep. Steroids 32(3):373–88, Oct 78
*ANDROGENS, metabolism/ ANDROGENS, urine/ ANIMAL/ BILE, metabolism/ CHROMATOGRAPHY, ION EXCHANGE/ GLUCURONATES, metabolism/ MALE/ *SHEEP, metabolism/ SULFATES, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4408. **Yamamura M, Inoue T, Kojima T, et al:** [Multiple lentigines syndrome complicated with Graves' disease (author's transl)] Nippon Naika Gakkai Zasshi 67(6):623–9, 10 Jun 78 **(Jpn)**
ADULT/ CASE REPORT/ FEMALE/ *GOITER, EXOPHTHALMIC, complications/ HUMAN/ *LENTIGO, complications

4409. **Yamanishi M, Wada T, Hirasawa M, et al:** [Breast massage for better lactation--an impression of the seminar for midwifes on Okekya's method of breast massage] Josanpu Zasshi 32(8):468–88, Aug 78 **(Jpn)**
BREAST FEEDING/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ *LACTATION/ *MASSAGE, methods/ *MIDWIFERY/ PREGNANCY

4410. **Yamauchi K, Yasuda M:** Effect of lateral hypothalamic lesion on body temperature in the chicken. Nippon Juigaku Zasshi 40(6):707–18, Dec 78
ANIMAL/ *BODY TEMPERATURE REGULATION/ *CHICKENS, physiology/ FEMALE/ *HYPOTHALAMUS, physiology/

HYPOTHALAMUS, surgery/ MALE

4411. **Yamazaki I, Nakagawa H, Yoshida K:** LH and FSH responses to subcutaneous or intravenous luteinizing hormone-releasing hormone (LH-RH) in rats at different sexual conditions. Nippon Funin Gakkai Zasshi 23(4):405-13, Oct 78
ANIMAL/ FEMALE/ *FSH, blood/ *LH, blood/ *LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ RATS/ SEX

4412. **Yanagi Y, Awata H, Koga Y, et al:** [Anti-inflammatory activity of SL-573 (author's transl)] Nippon Yakurigaku Zasshi 74(6):749-62, Sep 78 (Eng. Abstr.) **(Jpn)**
ADRENALECTOMY/ ANIMAL/ *ANTI-INFLAMMATORY AGENTS/ ARTHRITIS, ADJUVANT, drug therapy/ CAPILLARY PERMEABILITY, drug effects/ DEPRESSION, CHEMICAL/ EDEMA, drug therapy/ ENGLISH ABSTRACT/ GRANULOMA, drug therapy/ INTESTINAL PERFORATION, chemically induced/ MALE/ MICE/ QUINAZOLINES, adverse effects/ *QUINAZOLINES, pharmacodynamics/ QUINAZOLINES, therapeutic use/ RATS/ WOUND HEALING, drug effects

4413. **Yang NS, McGrath CM, Furmanski P:** Presence of a mouse mammary tumor virus-related antigen in human breast carcinoma cells and its absence from normal mammary epithelial cells. J Natl Cancer Inst 61(5):1205-8, Nov 78
ANTIGENIC DETERMINANTS/ *ANTIGENS, NEOPLASM, isolation & purification/ *ANTIGENS, VIRAL, isolation & purification/ *BREAST NEOPLASMS, immunology/ BREAST, immunology/ CELL LINE/ EPITHELIUM, immunology/ FEMALE/ GLYCOPROTEINS, immunology/ HUMAN/ LACTATION/ *MAMMARY CANCER VIRUS, immunology/ NEOPLASMS, EXPERIMENTAL, immunology/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VIRAL PROTEINS, immunology

4414. **Yang NY, Ewen LM, Vince ME, et al:** Extraction of Kober chromogen into tetrachloroethane containing trichloroacetic acid in determination of urinary estrogens during pregnancy [letter] Clin Chem 24(12):2217, Dec 78
COLORIMETRY, methods/ *ESTROGENS, urine/ FEMALE/ HUMAN/ INDICATORS AND REAGENTS/ *PREGNANCY

4415. **Yang TK, Jenkin HM:** The effect of heparin on growth of mammalian cells in vitro. Proc Soc Exp Biol Med 159(1):88-93, Oct 78
ANIMAL/ *CELL DIVISION, drug effects/ CELLS, CULTURED/ HEPARIN, administration & dosage/ *HEPARIN, pharmacodynamics/ HEPATOMA, EXPERIMENTAL, drug therapy/ HUMAN/ KIDNEY, cytology/ MAMMALS/ PENIS, cytology/ PREDNISOLONE, antagonists & inhibitors/ SKIN, cytology/ UNITED STATES GOV'T SUPPORTED

4416. **Yang YT, Rohde JM, Baldwin RL:** Dietary lipid metabolism in lactating dairy cows. J Dairy Sci 61(10):1400-6, Oct 78
ANIMAL/ *CATTLE, metabolism/ CHOLESTEROL, metabolism/ *DIETARY FATS, metabolism/ FATTY ACIDS, metabolism/ FEMALE/ HELIANTHUS/ LACTATION/ *LIPIDS, metabolism/ LIPOPROTEINS, metabolism/ *MILK, metabolism/ PREGNANCY/ SEEDS/ SOY BEANS/ TRIGLYCERIDES, metabolism

4417. **Yeatts RP, Turner R, Collins R, et al:** SOluble and insoluble immune complex-platelet interactions in rheumatoid inflammation. Ann Rheum Dis 37(5):421-7, Oct 78
*ANTIGEN-ANTIBODY COMPLEX/ ARTHRITIS, RHEUMATOID, blood/ *ARTHRITIS, RHEUMATOID, immunology/ ARTHRITIS, RHEUMATOID, physiopathology/ *BLOOD PLATELETS, immunology/ BLOOD PLATELETS, metabolism/ HUMAN/ IGG/ PLATELET AGGREGATION/ RHEUMATOID FACTOR/ SEROTONIN, blood/ SOLUBILITY

4418. **Yellin JA, Enein AA, Goldson H, et al:** Prolongation of canine renal allograft survival by using a synthetic progestin in combination with azathioprine and antithymocyte globulin. Surg Forum 28:309-11, 1977
ANIMAL/ *ANTILYMPHOCYTE SERUM, administration & dosage/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ *AZATHIOPRINE, administration & dosage/ AZATHIOPRINE, pharmacodynamics/ DOGS/ DRUG THERAPY, COMBINATION/ *GRAFT SURVIVAL, drug effects/ *KIDNEY, transplantation/ *MELENGESTROL, administration & dosage/ MELENGESTROL, pharmacodynamics/ *PREGNADIENES, administration & dosage/ *T-LYMPHOCYTES, immunology/ TIME FACTORS/ TRANSPLANTATION, ALLOGENEIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4419. **Yeo PP, Chan SH, Lui KF, et al:** HLA and thyrotoxic periodic paralysis. Br Med J 2(6142):930, 30 Sep 78
HUMAN/ *HYPERTHYROIDISM, complications/ *HL-A ANTIGENS/ LINKAGE (GENETICS)/ MALE/ PARALYSIS, etiology/ *PARALYSIS, familial & genetic/ PARALYSIS, immunology/ RECURRENCE

4420. **Yesner R:** Spectrum of lung cancer and ectopic hormones. Pathol Annu 13(Pt. 1):207-40, 1978 (109 ref.)
*ADENOCARCINOMA, secretion/ ARGIPRESSIN, secretion/ CALCITONIN, secretion/ *CARCINOMA, EPIDERMOID, secretion/ *CARCINOMA, OAT CELL, secretion/ CORTICOTROPIN, secretion/ GONADOTROPINS, CHORIONIC, secretion/ *HORMONES, ECTOPIC, secretion/ HUMAN/ LUNG NEOPLASMS, pathology/ *LUNG NEOPLASMS, secretion/ NEUROPHYSINS, secretion/ OXYTOCIN, secretion/ PARATHYROID HORMONE, secretion/ REVIEW/ SOMATOTROPIN, secretion

4421. **Yokota H:** [Levels of glucose, non-esterified fatty acids, triglyceride, insulin, and growth hormone during open heart surgery (author's transl)] Nippon Kyobu Geka Gakkai Zasshi 26(10):1222-32, Oct 78 (Eng. Abstr.) **(Jpn)**
ADOLESCENCE/ ADULT/ *BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ EXTRACORPOREAL CIRCULATION/ *FATTY ACIDS, NONESTERIFIED, blood/ *HEART SURGERY/ HUMAN/ *INSULIN, blood/ MIDDLE AGE/ *SOMATOTROPIN, blood/ *TRIGLYCERIDES, blood

4422. **Yoshida H:** [A study on subclinical types of autoimmune thyroiditis (Hashimoto's) among autopsy cases (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(11):1249-61, 20 Nov 78 (Eng. Abstr.) **(Jpn)**
ADULT/ AGED/ *AUTOANTIBODIES, analysis/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHOCYTES, pathology/ MALE/ MIDDLE AGE/ THYROID GLAND, immunology/ *THYROID GLAND, pathology/ THYROIDITIS, LYMPHOMATOUS, immunology/ *THYROIDITIS, LYMPHOMATOUS, pathology

4423. **Yoshida N, Sekiba K, Yanaihara T, et al:** Inhibition of fetal adrenal 21-hydroxylase by naturally occurring steroids. Endocrinol Jpn 25(4):349-53, Aug 78
ADRENAL GLANDS, embryology/ *ADRENAL GLANDS, enzymology/ DESOXYCORTICOSTERONE, metabolism/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *FETUS, enzymology/ HUMAN/ *HYDROXYLASES, antagonists & inhibitors/ HYDROXYPROGESTERONES, metabolism/ PREGNANCY/ *PROGESTERONE, pharmacodynamics

4424. **Yoshida T, Jordan L, Neal RA:** Effect of ethylenebisdiisothiocyanato sulfide (EBIS) on hepatic monooxygenase activity. Toxicol Appl Pharmacol 46(1):215-25, Oct 78
ANILINE COMPOUNDS, metabolism/ ANIMAL/ BENZPHETAMINE, metabolism/ COMPARATIVE STUDY/ CYTOCHROME P-450, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ *HYDROXYLASES, metabolism/ IN VITRO/ *LIVER, drug effects/ LIVER, enzymology/ MALE/ MICE/ MICROSOMES, LIVER, drug effects/ MICROSOMES, LIVER, enzymology/ RATS/ *THIOCYANATES, pharmacodynamics

4425. **Yoshida T, Neal RA:** Inhibition of delta-aminolevulinic acid synthetase by thioacetamide and thioacetamide-S-oxide. Biochem Pharmacol 27(17):2095-8, 1978
*ACETAMIDES, pharmacodynamics/ *AMINOLEVULINIC ACID SYNTHETASE, antagonists & inhibitors/ ANIMAL/ DICARBETHOXYDIHYDROCOLLIDINE,

pharmacodynamics/ ENZYME INDUCTION, drug effects/ HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED ICR/ *THIOACETAMIDE, pharmacodynamics/ TIME FACTORS/ TYROSINE AMINOTRANSFERASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4426. **Yoshie S, Honma Y:** Experimental demonstration of the cell types in the adenohypophysis of the gobiid fish, Rhinogobius brunneus. Arch Histol Jpn 41(2):129–40, Apr 78
ANIMAL/ BASOPHILS, cytology/ CORTICOTROPIN, analysis/ *FISHES, anatomy & histology/ GONADOTROPINS, analysis/ PITUITARY GLAND, growth & development/ *PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, cytology/ THIOURACIL, pharmacodynamics/ THYROID ANTAGONISTS, pharmacodynamics

4427. **Yoshimoto A, Oki T, Inui T:** Effect of guanosine 5'-diphosphate 3'-diphosphate and related nucleoside polyphosphates on induction of tryptophanase and beta-galactosidase in permeabilized cells of Escherichia coli. Arch Microbiol 119(1):81–6, 4 Oct 78
*ADENINE NUCLEOTIDES, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ *BETA-GALACTOSIDASES, biosynthesis/ DACTINOMYCIN, pharmacodynamics/ ENZYME INDUCTION, drug effects/ *ESCHERICHIA COLI, enzymology/ ESCHERICHIA COLI, metabolism/ *GALACTOSIDASES, biosynthesis/ GLUCOSE, metabolism/ GLYCERIN, metabolism/ *GUANINE NUCLEOTIDES, pharmacodynamics/ GUANOSINE TETRAPHOSPHATE, pharmacodynamics/ *LYASES, biosynthesis/ *TRYPTOPHANASE, biosynthesis

4428. **Yoshino G, Kazumi T, Baba S:** [Studies on the tumorigenic action of streptozotocin and on the physiologic responses to glucose loading in tumor-bearing rats (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(9):1070–8, 20 Sep 78 (Eng. Abstr.) **(Jpn)**
ADRENAL GLAND NEOPLASMS, chemically induced/ ADRENAL GLAND NEOPLASMS, metabolism/ ANIMAL/ *BLOOD SUGAR, metabolism/ *CARCINOGENS/ ENGLISH ABSTRACT/ ISLET CELL TUMOR, chemically induced/ ISLET CELL TUMOR, metabolism/ *KIDNEY NEOPLASMS, chemically induced/ LIVER NEOPLASMS, chemically induced/ MALE/ NEOPLASMS, EXPERIMENTAL, chemically induced/ NEOPLASMS, EXPERIMENTAL, metabolism/ *PANCREATIC NEOPLASMS, chemically induced/ RATS/ *STREPTOZOTOCIN

4429. **Yoshizawa H, Najima K, Saito M:** [Effects of amoxapine, imipramine and sulpiride on anterior pituitary hormone levels in the blood of normal subjects] Horumon To Rinsho 26(9):975–86, Sep 78 **(Jpn)**
ADULT/ *AMOXAPINE, pharmacodynamics/ *DIBENZOXAZEPINES, pharmacodynamics/ HUMAN/ *IMIPRAMINE, pharmacodynamics/ MALE/ *PITUITARY HORMONES, ANTERIOR, blood/ *SULPIRIDE, pharmacodynamics

4430. **Youlten LJ:** Effects of drugs on prostaglandin synthesis. Rheumatol Rehabil Suppl:47–52, 1978 (15 ref.)
ANIMAL/ ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ *INFLAMMATION, physiopathology/ PROSTAGLANDINS E, physiology/ PROSTAGLANDINS F, physiology/ PROSTAGLANDINS, biosynthesis/ *PROSTAGLANDINS, physiology/ REVIEW

4431. **Young DM, Ward JM, Prieur DJ:** Hypercalcemia of malignancy. Animal model: VX-2 carcinoma of rabbits. Am J Pathol 93(2):619–22, Nov 78
ANIMAL/ BONE RESORPTION/ *DISEASE MODELS, ANIMAL/ *HYPERCALCEMIA, etiology/ NEOPLASM METASTASIS/ NEOPLASM TRANSPLANTATION/ *NEOPLASMS, complications/ NEOPLASMS, EXPERIMENTAL, complications/ NEOPLASMS, EXPERIMENTAL, pathology/ RABBITS

4432. **Young JK, Nance DM, Gorski RA:** Effects of estrogen upon hypothalamic vulnerability to goldthioglucose in mice. Brain Res Bull 3(3):231–5, May-Jun 78
ANIMAL/ BODY WEIGHT, drug effects/ CASTRATION/ EATING, drug effects/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *GOLD THIOGLUCOSE, pharmacodynamics/ *GOLD, pharmacodynamics/ *HYPOTHALAMUS, drug effects/ *HYPOTHALAMUS, MEDIAL, drug effects/ MICE/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4433. **Young RC, Chabner BA, Hubbard SP, et al:** Advanced ovarian adenocarcinoma. A prospective clinical trial of melphalan (L-PAM) versus combination chemotherapy. N Engl J Med 299(23):1261–6, 7 Dec 78
*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, mortality/ ADULT/ AGED/ *ANTINEOPLASTIC AGENTS, administration & dosage/ ANTINEOPLASTIC AGENTS, adverse effects/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, administration & dosage/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ FEMALE/ FLUOROURACIL, administration & dosage/ HEXAMETHYLMELAMINE, administration & dosage/ HUMAN/ MELPHALAN, administration & dosage/ MELPHALAN, adverse effects/ *MELPHALAN, therapeutic use/ METHOTREXATE, administration & dosage/ MIDDLE AGE/ *OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, mortality/ PROSPECTIVE STUDIES

4434. **Young RJ, Ismail AH:** Ability of biochemical and personality variables in discriminating between high and low physical fitness levels. J Psychosom Res 22(3):193–9, 1978
ADULT/ *BLOOD SUGAR, analysis/ *CATECHOLAMINES, urine/ *CHOLESTEROL, blood/ EXERTION/ HUMAN/ MALE/ MIDDLE AGE/ PERSONALITY INVENTORY/ *PERSONALITY/ *PHYSICAL FITNESS/ *TESTOSTERONE, blood

4435. **Young RL:** The amenorrhea-galactorrhea syndrome. Compr Ther 4(9):40–5, Sep 78
*AMENORRHEA/ AMENORRHEA, diagnosis/ AMENORRHEA, etiology/ AMENORRHEA, therapy/ BREAST, growth & development/ CHIARI-FROMMEL SYNDROME, etiology/ DRUG THERAPY, adverse effects/ FEMALE/ *GALACTORRHEA/ GALACTORRHEA, diagnosis/ GALACTORRHEA, etiology/ GALACTORRHEA, therapy/ HUMAN/ *LACTATION DISORDERS/ LACTATION/ PITUITARY NEOPLASMS, complications/ PREGNANCY/ PROLACTIN, secretion/ SYNDROME

4436. **Young RW, Furr AK, Stoewsand GS, et al:** Lead and other elements in tissues of guinea pigs fed crown vetch grown adjacent to a highway. Cornell Vet 68(4):521–9, Oct 78
ANIMAL FEED, analysis/ ANIMAL/ *AUTOMOBILE EXHAUST, adverse effects/ BARIUM, analysis/ BONE AND BONES, analysis/ CADMIUM, analysis/ CHROMIUM, analysis/ COMPARATIVE STUDY/ *ELEMENTS, analysis/ *GUINEA PIGS, metabolism/ KIDNEY, analysis/ *LEAD, analysis/ MALE/ NICKEL, analysis/ *PLANTS, analysis/ SOIL, analysis

4437. **Young WC, Gates GA:** The use of cyanoacrylate in transsphenoidal hypophysectomy. Laryngoscope 88(11):1784–8, Nov 78
BREAST NEOPLASMS, therapy/ CEREBROSPINAL RHINORRHEA, etiology/ *CEREBROSPINAL RHINORRHEA, prevention & control/ *CYANOACRYLATES/ DRUG EVALUATION/ HUMAN/ HYPOPHYSECTOMY, adverse effects/ *HYPOPHYSECTOMY, methods/ NEOPLASM METASTASIS/ PITUITARY NEOPLASMS, surgery/ PROSTATIC NEOPLASMS, therapy/ SPHENOID BONE

4438. **Yu DT:** Effect of corticosteroids on human in vitro anamnestic response. Cell Immunol 40(2):431–6, Oct 78
*ADRENAL CORTEX HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ *IMMUNOLOGIC MEMORY, drug effects/ KINETICS/ LEUKOCYTE CULTURE TEST, MIXED/ *LYMPHOCYTES, immunology/ METHYLPREDNISOLONE, pharmacodynamics/ STREPTODORNASE AND STREPTOKINASE, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4439. **Yu MW, Lakshmanan J, Guroff G:** Chemical control of neuronal growth--the nerve growth factor.
Essays Neurochem Neuropharmacol 3:33–48, 1978 (127 ref.)
AMINO ACID SEQUENCE/ ANIMAL/ BINDING SITES/ CHEMISTRY/ GANGLIA, growth & development/ GANGLIA, metabolism/ GANGLIA, AUTONOMIC, growth & development/ GANGLIA, AUTONOMIC, metabolism/ HUMAN/ MEMBRANES, metabolism/ NERVE GROWTH FACTOR, analysis/ NERVE GROWTH FACTOR, metabolism/ *NERVE GROWTH FACTOR, physiology/ NERVOUS SYSTEM DISEASES, metabolism/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, growth & development/ SYMPATHETIC NERVOUS SYSTEM, metabolism

4440. **Yuen BH:** Bromocriptine, pituitary tumours, and pregnancy [letter] Lancet 2(8103):1314, 16 Dec 78
*ADENOMA, drug therapy/ ADULT/ FEMALE/ HUMAN/ *PITUITARY NEOPLASMS, drug therapy/ *PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY/ 2-BROMOERGOCRYPTINE, administration & dosage/ *2-BROMOERGOCRYPTINE, therapeutic use

4441. **Yunek MJ, Lojek RM:** Fetal and maternal monitoring: intrapartal fetal monitoring. Am J Nurs 78(12):2102–7, Dec 78
FEMALE/ FETAL HEART, physiology/ *FETAL MONITORING, methods/ HEART RATE/ HUMAN/ MONITORING, PHYSIOLOGIC/ PLACENTA, physiology/ PREGNANCY/ *UTERINE CONTRACTION

Z

4442. **Zaba BN, Harris EJ:** Accumulation and effects of trace metal ions in fish liver mitochondria.
Comp Biochem Physiol [C] 61C(1):57–66, 1978
ANIMAL/ CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ COPPER, metabolism/ COPPER, pharmacodynamics/ *FISHES, metabolism/ MANGANESE, metabolism/ MANGANESE, pharmacodynamics/ MITOCHONDRIA, LIVER, drug effects/ *MITOCHONDRIA, LIVER, metabolism/ *TRACE ELEMENTS, metabolism/ TRACE ELEMENTS, pharmacodynamics/ ZINC, metabolism/ ZINC, pharmacodynamics

4443. **Zacher W, Albert L:** Zur Therapie der Malakoplakie der Harnblase. Z Urol Nephrol 71(8):547–51, Aug 78 (Eng. Abstr.) **(Ger)**
*AMPICILLIN, therapeutic use/ BLADDER DISEASES, pathology/ *BLADDER DISEASES, therapy/ BLADDER, pathology/ CASE REPORT/ CYSTITIS, complications/ CYSTITIS, therapy/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALACOPLAKIA, complications/ MALACOPLAKIA, pathology/ *MALACOPLAKIA, therapy/ *PREDNISOLONE, therapeutic use

4444. **Zachmann M, Sobradillo B, Frank M, et al:** Bayley-Pinneau, Roche-Wainer-Thissen, and Tanner height predictions in normal children and in patients with various pathologic conditions. J Pediatr 93(5):749–55, Nov 78
ADOLESCENCE/ *BODY HEIGHT/ CHILD/ FEMALE/ GROWTH DISORDERS, familial & genetic/ GROWTH DISORDERS, physiopathology/ HUMAN/ LONGITUDINAL STUDIES/ MALE/ METHODS/ PUBERTY/ PUBERTY, PRECOCIOUS, physiopathology/ TURNER'S SYNDROME, physiopathology

4445. **Zachmann M:** Diagnosis of treatable types of short and tall stature. Postgrad Med J 54 Suppl 1:121–32, 1978 (62 ref.)
CHILD/ ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, diagnosis/ GIGANTISM, familial & genetic/ GLUCOCORTICOIDS, adverse effects/ *GROWTH DISORDERS, diagnosis/ GROWTH DISORDERS, etiology/ HUMAN/ METABOLIC DISEASES, complications/ NUTRITION DISORDERS, complications/ NUTRITION DISORDERS, diagnosis/ REVIEW/ SEX CHROMOSOME ABNORMALITIES, complications/ SEX CHROMOSOME ABNORMALITIES, diagnosis

4446. **Zackheim HS:** Topical 6-aminonicotinamide plus oral niacinamide therapy for psoriasis. Arch Dermatol 114(11):1632–8, Nov 78
AGED/ ANIMAL/ CASE REPORT/ CLINICAL RESEARCH/ DERMATITIS MEDICAMENTOSA, etiology/ DOUBLE-BLIND METHOD/ FEMALE/ GLUCOCORTICOIDS, TOPICAL, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ *NICOTINAMIDE, analogs & derivatives/ NICOTINAMIDE, administration & dosage/ NICOTINAMIDE, pharmacodynamics/ PITYRIASIS RUBRA PILARIS, drug therapy/ *PSORIASIS, drug therapy/ TINNITUS, chemically induced/ TRIAMCINOLONE ACETONIDE, therapeutic use/ 6-AMINONICOTINAMIDE, adverse effects/ 6-AMINONICOTINAMIDE, antagonists & inhibitors/ *6-AMINONICOTINAMIDE, therapeutic use

4447. **Zaĭchik ASh:** Izmenenie spetsificheskikh funktsiĭ kletok pod vliianiem antitel. Tsitologiia 20(9):1070–4, Sep 78 (Eng. Abstr.) **(Rus)**
*ADRENAL CORTEX, cytology/ ADRENAL CORTEX, immunology/ ANIMAL/ *ANTIBODIES, physiology/ BLOOD PROTEINS, analysis/ CELL NUCLEUS, immunology/ CORTICOSTERONE, blood/ ENGLISH ABSTRACT/ IODINE, blood/ MALE/ PROTEIN BINDING/ PUROMYCIN, pharmacodynamics/ RATS/ RNA, MESSENGER, antagonists & inhibitors/ *THYROID GLAND, cytology/ THYROID GLAND, immunology/ TIME FACTORS

4448. **Zajdela F, Latarjet R:** Ultraviolet light induction of skin carcinoma in the mouse; influence of cAMP modifying agents. Bull Cancer (Paris) 65(3):305–13, 1978
*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CAFFEINE, therapeutic use/ DNA REPAIR, drug effects/ FEMALE/ MICE/ *NEOPLASMS, RADIATION-INDUCED, prevention & control/ PHOSPHODIESTERASE INHIBITORS, therapeutic use/ *SKIN NEOPLASMS, etiology/ SKIN NEOPLASMS, prevention & control/ SKIN, radiation effects/ *THEOPHYLLINE, therapeutic use/ *ULTRAVIOLET RAYS, adverse effects

4449. **Zakharova MO, Donde SM, Tarasiuk BA:** Vypadok pervynnoho hiperparatyreozu. Pediatr Akush Ginekol (5):31–2, Sep-Oct 78 **(Ukr)**
ADOLESCENCE/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, metabolism/ *HYPERPARATHYROIDISM, pathology

4450. **Zander J:** Zur Physiologie der Sexualhormone.
Fortschr Med 96(40):2007–13, 26 Oct 78 **(Ger)**
GONADOTROPINS, secretion/ HORMONES, biosynthesis/ HUMAN/ HYPOTHALAMUS, secretion/ MENSTRUATION/ PEPTIDES, secretion/ PITUITARY GLAND, secretion/ PROLACTIN, physiology/ *REPRODUCTION/ *SEX HORMONES, physiology

4451. **Zaniewski A:** Wybrane zagadnienia z diagnostyki enzymologicznej w położnictwie i ginekologii. Wiad Lek 31(18):1293–5, 15 Sep 78 (13 ref.) **(Pol)**
*ENZYME TESTS/ FEMALE/ *GENITAL DISEASES, FEMALE, diagnosis/ GENITAL NEOPLASMS, FEMALE, diagnosis/ HUMAN/ PEPTIDE HYDROLASES, blood/ PLACENTA, enzymology/ *PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY TESTS/ PREGNANCY/ PREGNANCY, PROLONGED/ PRENATAL DIAGNOSIS/ REVIEW/ SEX DETERMINATION

4452. **Zanoio L, Povia P, Amantea P:** Varianti cariologiche nella sindrome di Turner. Minerva Ginecol 30(10):817–20, Oct 78 (Eng. Abstr.) **(Ita)**
ADULT/ *CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KARYOTYPING/ *SEX CHROMOSOMES/ *TURNER'S SYNDROME, familial & genetic/ *X CHROMOSOME

4453. **Zárate A, Canales ES, Forsbach G, et al:** Bromocriptine. Clinical experience in the induction of pregnancy in amenorrhea-galactorrhea syndrome. Obstet Gynecol 52(4):442–4, Oct 78
ADULT/ *AMENORRHEA, drug therapy/ FEMALE/ *GALACTORRHEA, drug therapy/ HUMAN/ INFANT, NEWBORN/ *LACTATION DISORDERS, drug therapy/ MALE/ *OVULATION INDUCTION/ PREGNANCY/ SYNDROME/

2-BROMOERGOCRYPTINE, adverse effects/ *2-BROMOERGOCRYPTINE, therapeutic use

4454. **Zarrin K:** The bone inducing capacity of syngeneic thyroid tissue in guinea-pig muscle. J Pathol 125(2):99–102, Jun 78
ANIMAL/ CELL DIFFERENTIATION, drug effects/ FEMALE/ FIBROBLASTS, drug effects/ GUINEA PIGS/ MALE/ MUSCLES, pathology/ *MUSCULAR DISEASES, chemically induced/ MUSCULAR DISEASES, pathology/ *OSSIFICATION, PATHOLOGIC, chemically induced/ OSSIFICATION, PATHOLOGIC, pathology/ OSTEOBLASTS, cytology/ *THYROID GLAND, physiology/ TISSUE EXTRACTS

4455. **Zarzycki J:** Badania nad doświadczalnym jednostronnym kryptorchizmem u szczurów białych. Endokrynol Pol 29(5):421–5, Sep–Oct 78 **(Pol)**
ANIMAL/ CASTRATION/ *CRYPTORCHISM, physiopathology/ MALE/ ORGAN WEIGHT/ RATS/ SPERMATOGENESIS/ TESTIS, anatomy & histology/ TESTIS, physiopathology

4456. **Zasępa A, Filipek C:** Rak jajnika. Wiad Lek 31(18):1289–92, 15 Sep 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, radiotherapy/ *OVARIAN NEOPLASMS, surgery/ PROGNOSIS

4457. **Zatz M, Romero JA:** Effects of calcium-free medium on the induction of serotonin N-acetyltransferase in the rat pineal. Biochem Pharmacol 27(21):2549–53, 1978
*ACETYLTRANSFERASES, biosynthesis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ *CALCIUM, physiology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENZYME INDUCTION/ EGTA, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ *PINEAL BODY, enzymology/ RATS/ *SEROTONIN, metabolism

4458. **Zaun H, Ludwig E:** Dermatologische Indikationsstellung zur antiandrogenen Behandlung. Z Hautkr 53(21):759–65, 1 Nov 78 (Eng. Abstr.) **(Ger)**
*ACNE, drug therapy/ ALOPECIA, drug therapy/ *ANDROGEN ANTAGONISTS, therapeutic use/ CHLORMADINONE, therapeutic use/ CYPROTERONE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HIRSUTISM, drug therapy/ HUMAN/ MILIARIA, drug therapy/ PROGESTERONE, therapeutic use/ SEBORRHEA, drug therapy

4459. **Zavettieri Giannettasio E:** Fisiopatologia dell'adolescenza. Minerva Med 69(45):3059–90, 29 Sep 78 **(Ita)**
*ADOLESCENCE/ CARDIOVASCULAR DISEASES/ ENDOCRINE DISEASES/ FEMALE/ FEMINIZATION/ GROWTH DISORDERS/ GROWTH/ HERMAPHRODITISM/ HUMAN/ HYPOGONADISM/ MALE/ MENTAL DISORDERS/ METABOLIC DISEASES/ PUBERTY, PRECOCIOUS/ SEX CHARACTERISTICS/ SEX MATURATION/ SKIN DISEASES/ UROGENITAL SYSTEM, abnormalities/ VIRILISM

4460. **Zderkiewicz E:** Obrzęk mózgu i sposoby jego zwalczania. Pol Tyg Lek 33(44):1735–8, 30 Oct 78 **(Pol)**
ADRENAL CORTEX HORMONES, therapeutic use/ *BRAIN EDEMA, drug therapy/ BRAIN EDEMA, etiology/ BRAIN EDEMA, pathology/ BRAIN, pathology/ DIURETICS, therapeutic use/ GLYCERIN, therapeutic use/ HUMAN/ MANNITOL, therapeutic use/ UREA, therapeutic use

4461. **Zechmann W, Bartsch G, Skrabal F, et al:** Nebennierenszintigraphie--Klinische Erfahrung und Indikation. Helv Chir Acta 44(3):255–8, Jun 77 **(Ger)**
*ADRENAL GLAND DISEASES, radionuclide imaging/ *ADRENAL GLAND NEOPLASMS, radionuclide imaging/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE

4462. **Zefirova GS, Tslaf ZZ, Rybakova LM:** Gipoparatireoz s otekom soska zritel'nogo nerva, razvivshiisia u bol'noi posle lecheniia tireotoksikoza radioaktivnym iodom. Ter Arkh 50(11):66–7, 1978 (Eng. Abstr.) **(Rus)**
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *HYPERTHYROIDISM, radiotherapy/ *HYPOPARATHYROIDISM, etiology/ *IODINE RADIOISOTOPES, adverse effects/ OPTIC DISK, radiation effects/ *PAPILLEDEMA, etiology/ PARATHYROID GLANDS, radiation effects/ *RADIOTHERAPY, adverse effects

4463. **Zelenka J, Bartos V, Slaninová B, et al:** Problematika karcinomu štítné žlázy z hlediska otolaryngologického. Cesk Otolaryngol 27(4):198–201, Aug 78 (Eng. Abstr.) **(Cze)**
ADOLESCENCE/ ADULT/ AGED/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ *OTORHINOLARYNGOLOGY/ *THYROID NEOPLASMS/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery

4464. **Zelenskaia TM:** Reaktsiia gipotalamo-gipofizarnoi neirosekretornoi sistemy na vozdeistvie reaktiviruiushchikh doz testikuliarnoi antisyvorotki. Fiziol Zh 24(6):813–20, Nov–Dec 78 **(Rus)**
AGING, drug effects/ ANIMAL/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ *HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ *IMMUNE SERUMS, administration & dosage/ MALE/ NEUROSECRETORY SYSTEMS, anatomy & histology/ *NEUROSECRETORY SYSTEMS, drug effects/ RATS/ *TESTIS, immunology/ TIME FACTORS

4465. **Zembrzuski K:** Sledziona i nadnercza świnki morskiej doświadczalnie zarażonej śmiertelną dawką jaj Ascaris lumbricoides suis. Wiad Parazytol 24(4):419–23, 1978 (Eng. Abstr.) **(Pol)**
*ADRENAL GLANDS, anatomy & histology/ ANIMAL/ ASCARIASIS, pathology/ *ASCARIASIS, parasitology/ ASCARIS/ ENGLISH ABSTRACT/ GUINEA PIGS/ MALE/ ORGAN WEIGHT/ *SPLEEN, anatomy & histology

4466. **Zervas NT, Hamlin H:** Stereotactic radiofrequency hypophysectomy. Appl Neurophysiol 41(1–4):219–22, 1978
BREAST NEOPLASMS, therapy/ HUMAN/ *HYPOPHYSECTOMY, methods/ *RADIO WAVES/ *STEREOTAXIC TECHNICS

4467. **Zgliczyński S, Naumczyk-Zaremba J:** Wpływ prednisolonu na stężenie trójjodotyroniny i tyroksyny w nadczynności tarczycy. Pol Arch Med Wewn 60(5):433–42, Nov 78 (Eng. Abstr.) **(Pol)**
ENGLISH ABSTRACT/ HUMAN/ *HYPERTHYROIDISM, blood/ *PREDNISOLONE, pharmacodynamics/ *THYROXINE, blood/ *TRIIODOTHYRONINE, blood

4468. **Zhegunov GF, Belous AM:** Deistvie nizkikh temperatur na pronitsaemost' membran sarkoplazmaticheskogo retikuluma dlia Ca2+. Ukr Biokhim Zh 50(5):600–3, Sep–Oct 78 (Eng. Abstr.) **(Rus)**
ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ *CALCIUM, metabolism/ ENGLISH ABSTRACT/ FREEZING/ INTRACELLULAR MEMBRANES, metabolism/ KINETICS/ PERMEABILITY/ RABBITS/ *SARCOPLASMIC RETICULUM, metabolism

4469. **Zheleznov BI:** Printsipy gistologicheskoĭ diagnostiki patologii iaichnikov i matochnykh trub. Akush Ginekol (Mosk) (10):67–71, 1978 **(Rus)**
CHRONIC DISEASE/ DIAGNOSIS, DIFFERENTIAL/ *FALLOPIAN TUBES/ FALLOPIAN TUBES, pathology/ FEMALE/ HUMAN/ *OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, pathology/ SALPINGITIS, diagnosis/ SALPINGITIS, pathology

4470. **Zhurova MV, Natarov VV, Vasilenko AA:** Issledovanie nekotorykh fermentov uglevodno-fosfornogo obmena pri tireotoksikoze u bol'nykh iunosheskogo vozrasta. Ter Arkh 50(11):67–72, 1978 (Eng. Abstr.) **(Rus)**
ADOLESCENCE/ ADULT/ CARBOHYDRATES, metabolism/ *CREATINE KINASE, metabolism/ ENERGY METABOLISM/ ENGLISH ABSTRACT/ FEMALE/ *GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HUMAN/ *HYPERTHYROIDISM, metabolism/ *LACTATE DEHYDROGENASE, metabolism/ PHOSPHORUS, metabolism

4471. **Zia H:** Drug-protein interactions. Pahlavi Med J 9(3):240–9,

Jul 78 (43 ref.)
ANIMAL/ ANTIBIOTICS, metabolism/ *BLOOD PROTEINS, metabolism/ CRYSTALLOGRAPHY/ *DRUGS, metabolism/ FLUORESCENCE/ HORMONES, metabolism/ HUMAN/ NUCLEAR MAGNETIC RESONANCE/ *PROTEIN BINDING/ RABBITS/ RECEPTORS, DRUG, metabolism/ REVIEW/ SPECTROMETRY, FLUORESCENCE/ SPECTROPHOTOMETRY

4472. **Ziegler R:** Zur Therapie mit Calcitonin.
Dtsch Med Wochenschr 103(47):1860–3, 24 Nov 78 **(Ger)**
ARTERIAL OCCLUSIVE DISEASES, drug therapy/ *CALCITONIN, therapeutic use/ HUMAN/ HYPERCALCEMIA, drug therapy/ OSTEITIS DEFORMANS, drug therapy/ OSTEOGENESIS IMPERFECTA, drug therapy/ OSTEOPOROSIS, drug therapy/ PANCREATITIS, drug therapy/ PEPTIC ULCER, drug therapy/ STRESS, drug therapy/ SUDECK'S ATROPHY, drug therapy

4473. **Zieleniewski J, Kołodziej-Maciejewska H, Reterski Z:** Przypadek moczówki prostej u 28-letniej kobiety skutecznie leczony dwuhydroergotoksyną. Pol Tyg Lek 33(35):1379, 28 Aug 78 (Eng. Abstr.) **(Pol)**
ADULT/ *AMENORRHEA, drug therapy/ CASE REPORT/ *DIABETES INSIPIDUS, drug therapy/ *DIHYDROERGOTOXINE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ GALACTORRHEA, drug therapy/ HUMAN/ SYNDROME

4474. **Zingeser MR, Phoenix CH:** Metric characteristics of the canine dental complex in prenatally androgenized female rhesus monkeys (Macaca mulatta). Am J Phys Anthropol 49(2):187–92, Aug 78
ANIMAL/ BICUSPID, growth & development/ *CUSPID, anatomy & histology/ CUSPID, drug effects/ CUSPID, growth & development/ FEMALE/ MANDIBLE/ MONKEYS/ ODONTOGENESIS/ ODONTOMETRY/ RHESUS MONKEYS/ *TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4475. **Zingraff J, Drüeke T, Marie P, et al:** Anemia and secondary hyperparathyroidism. Arch Intern Med 138(11):1650–2, Nov 78
ADULT/ *ANEMIA, etiology/ ANEMIA, HYPOCHROMIC, etiology/ ANTIGENS/ BONE MARROW, pathology/ ERYTHROCYTE COUNT/ FEMALE/ HEMATOCRIT/ HEMOGLOBINS, metabolism/ HUMAN/ *HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY FAILURE, CHRONIC, complications/ MALE/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, immunology/ RETROSPECTIVE STUDIES

4476. **Zižka J:** Turneruv syndrom u novorozence.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 21(3):225–9, 1978 (Eng. Abstr.) **(Cze)**
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ *INFANT, NEWBORN, DISEASES, diagnosis/ *TURNER'S SYNDROME, diagnosis

4477. **Zizmor J, Deluty S:** Diphtherial stomatitis: a complication of immunosuppressive therapy. Arch Dermatol 114(11):1711, Nov 78
ADULT/ CASE REPORT/ *DIPHTHERIA, etiology/ HUMAN/ *IMMUNOSUPPRESSION, adverse effects/ MALE/ PREDNISONE, adverse effects/ *STOMATITIS, etiology

4478. **Zlateva S:** Rolia na tireoidnite khormoni v regulatsiiata na eritropoezata. Vutr Boles 17(5):20–5, 1978 **(Bul)**
ANEMIA, physiopathology/ ANIMAL/ BLOOD PROTEINS, biosynthesis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ERYTHROCYTE VOLUME, drug effects/ *ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, physiology/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ IN VITRO/ OXYGEN CONSUMPTION, drug effects/ *THYROID HORMONES, physiology

4479. **Zogg CA, Brumleve SJ, DeBoer B, et al:** Testicular growth and functional capability after 4–24 weeks of continuous exposure to 11 ATA He-O2. Aviat Space Environ Med 49(11):1337–41, Nov 78
ANIMAL/ *ATMOSPHERIC PRESSURE/ HELIUM/ MALE/ OXYGEN/ RATS/ TESTIS, anatomy & histology/ *TESTIS, growth & development/ TESTIS, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

4480. **Zöllner N, Goebel FD, Gröbner W:** Partial HGPRT deficiency: persistance of tophi after 12 years of therapeutic normouricemia and development of a pheochromocytoma. Monogr Hum Genet 10:112–5, 1978
ADULT/ CASE REPORT/ GOUT, complications/ *GOUT, pathology/ GOUT, therapy/ HUMAN/ *HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE, deficiency/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, complications/ *PHEOCHROMOCYTOMA, pathology/ PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS, complications/ PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS, pathology/ *URIC ACID, metabolism

4481. **Zucchelli P, Catizone L, Esposti ED, et al:** Influence of ultrafiltration on plasma renin activity and adrenergic system. Nephron 21(6):317–24, 1978
BLOOD PRESSURE/ BODY WEIGHT/ *EPINEPHRINE, blood/ HEMODIALYSIS/ HUMAN/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ *NOREPINEPHRINE, blood/ *RENIN, blood/ *ULTRAFILTRATION

4482. **Zufarov KA, Rasulov KI, Zhuraev ShR:** Endokrinnyĭ apparat slizistoĭ obolochki zheludka cheloveka. Fiziol Zh SSSR 64(9):1229–33, Sep 78 (Eng. Abstr.) **(Rus)**
CELL NUMBER/ *CHROMAFFIN SYSTEM/ COMPARATIVE STUDY/ *DUODENAL ULCER, pathology/ ENGLISH ABSTRACT/ *ENTEROCHROMAFFIN CELLS/ ENTEROCHROMAFFIN CELLS, metabolism/ ENTEROCHROMAFFIN CELLS, ultrastructure/ GASTRIC JUICE, secretion/ GASTRIC MUCOSA, metabolism/ *GASTRIC MUCOSA, pathology/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MICROSCOPY, ELECTRON/ PYLORUS, pathology/ *STOMACH ULCER, pathology

4483. **Zühlke V, Meffert O, Peiper HJ:** Diagnostik und Therapie des primären Hyperparathyreoidismus.
Langenbecks Arch Chir 346(4):219–34, 20 Dec 78 (Eng. Abstr.) **(Ger)**
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERCALCEMIA, complications/ *HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ MALE/ METHODS/ MIDDLE AGE/ SEX FACTORS

4484. **Zukerman Z, Rodriguez-Rigau LJ, Weiss DB, et al:** Quantitative analysis of the seminiferous epithelium in human testicular biopsies, and the relation of spermatogenesis to sperm density. Fertil Steril 30(4):448–55, Oct 78
ADOLESCENCE/ ADULT/ AGE FACTORS/ BIOPSY/ HUMAN/ MALE/ SEMEN, analysis/ *SEMINIFEROUS EPITHELIUM, pathology/ SERTOLI CELLS, pathology/ SPERMATIDS, analysis/ *SPERMATOGENESIS/ SPERMATOZOA, analysis/ *TESTIS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VARICOCELE, diagnosis/ *VARICOCELE, pathology

4485. **Zvartau EE, Patkina NA:** Izmenenie reaktsii vykliucheniia élektricheskoĭ stimuliatsii gipotalamusa u krys pri khronicheskom vvedenii morfina. Zh Vyssh Nerv Deiat 28(5):1020–6, Sep-Oct 78 (Eng. Abstr.) **(Rus)**
ANIMAL/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG TOLERANCE/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ *ESCAPE REACTION, drug effects/ *HYPOTHALAMUS, physiology/ MALE/ *MORPHINE, pharmacodynamics/ PAIN/ RATS/ REACTION TIME, drug effects

AUTHOR SECTION

ANONYMOUS

Acta Endocrinol [Suppl] (Copenh)

4486. Signe and Ane Gyllenberg Foundation, Helsingfors: Neuroendocrine symposium, September 22–23, 1978, Swedish-Finnish Cultural Centre, Hanaholmen (Esbo), Finland. Abstracts. Acta Endocrinol [Suppl] (Copenh) 89(220):3–29, 1978
CONGRESSES/ FINLAND/ FOUNDATIONS/ HUMAN/ HYPOTHALAMIC HORMONES, physiology/ *HYPOTHALAMUS, physiology/ *NEUROHUMORS, physiology/ *PITUITARY GLAND, physiology/ SWEDEN

Am J Med

4487. Primary amenorrhea in an elderly woman [clinical conference] Am J Med 65(3):514–20, Sep 78
AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ MALE/ *PSEUDOHERMAPHRODITISM, pathology/ *TESTICULAR FEMINIZATION, pathology/ *TESTIS, pathology

Am J Obstet Gynecol

4488. Oxytocin challenge test [letter] Am J Obstet Gynecol 132(6):702–3, 15 Nov 78
FETAL MONITORING/ *FETUS, physiology/ HUMAN/ MALE/ *OXYTOCIN, diagnostic use/ PREGNANCY

Arch Dis Child

4489. Scottish Paediatric Society. The Summer Meeting held at Ninewells Hospital Dundee on Friday 2 June 1978. Scientific communications. Arch Dis Child 53(10):841, Oct 78
CHILD/ CONGRESSES/ *DIABETES MELLITUS, JUVENILE, diet therapy/ FEMALE/ HUMAN/ *LEUKEMIA, LYMPHOBLASTIC, pathology/ MALE/ *MEASLES, complications/ NUTRITION DISORDERS, complications/ PEDIATRICS/ SCOTLAND/ SOCIETIES, MEDICAL/ TESTICULAR NEOPLASMS, pathology

Biochem Soc Trans

4490. Prostaglandins in the nervous system. Colloquium at the 575th meeting of the Biochemical Society at Glasgow, 12 and 13 April 1978. Biochem Soc Trans 6(4):713–31, 1978
ANIMAL/ CONGRESSES/ *NERVOUS SYSTEM, physiology/ *PROSTAGLANDINS, physiology

Br J Psychiatry

4491. Abstracts of some of the papers given at the Annual Meeting of the Royal College of Psychiatrists in London on 4–6 July 1978. Br J Psychiatry 133:370–1, Oct 78
ACCIDENTS/ CONGRESSES/ CUSHING'S SYNDROME, psychology/ GRIEF/ HUMAN/ LENGTH OF STAY/ LONDON/ *PSYCHIATRY/ PUERPERAL DISORDERS, psychology/ SCHIZOPHRENIA, drug therapy/ SOCIETIES, MEDICAL/ SUDDEN INFANT DEATH, psychology

Br Med J

4492. Thyroid disease and pregnancy [editorial] Br Med J 2(6143):977–8, 7 Oct 78
FEMALE/ HUMAN/ PLACENTA, physiopathology/ *PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY COMPLICATIONS, therapy/ PREGNANCY/ RISK/ *THYROID DISEASES, physiopathology/ THYROID DISEASES, therapy/ THYROID GLAND, embryology

4493. Two children with kidney disease. Demonstrated at the Royal College of Physicians of London [clinical conference] Br Med J 2(6141):867–72, 23 Sep 78
BASEMENT MEMBRANE, pathology/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GLOMERULONEPHRITIS, pathology/ HUMAN/ INFANT/ KIDNEY DISEASES, diagnosis/ KIDNEY DISEASES, etiology/ *KIDNEY DISEASES, pathology/ KIDNEY GLOMERULUS, pathology/ *KIDNEY NEOPLASMS, pathology/ MALE/ *NEPHROBLASTOMA, pathology/ PSEUDOHERMAPHRODITISM, complications

4494. Prognosis of cryptogenic fibrosing alveolitis [editorial] Br Med J 2(6141):849–50, 23 Sep 78
ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN/ PROGNOSIS/ PULMONARY FIBROSIS, drug therapy/ *PULMONARY FIBROSIS, mortality/ PULMONARY FIBROSIS, pathology

4495. Acute stroke [letter] Br Med J 2(6146):1230, 28 Oct 78
ACUTE DISEASE/ *BETAMETHASONE, therapeutic use/ *CEREBROVASCULAR DISORDERS, drug therapy/ *DEXAMETHASONE, adverse effects/ HUMAN

4496. Clinicopathological conference. Two cases of drug-induced disease. Demonstration at the Royal College of Physicians of London. Br Med J 2(6149):1405–10, 18 Nov 78
ADULT/ AGED/ BRONCHIECTASIS, drug therapy/ CASE REPORT/ CHLORAMBUCIL, adverse effects/ CYCLOPHOSPHAMIDE, adverse effects/ *DEMETHYLCHLORTETRACYCLINE, adverse effects/ *DIABETES INSIPIDUS, chemically induced/ FEMALE/ HUMAN/ LYMPHOMA, drug therapy/ MALE/ *PULMONARY FIBROSIS, chemically induced

4497. Thyroid disease and pregnancy [letter] Br Med J 2(6150):1496, 25 Nov 78
FEMALE/ HUMAN/ *HYPOTHYROIDISM, blood/ *PREGNANCY COMPLICATIONS, blood/ PREGNANCY/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

Cas Lek Cesk

4498. Aktuální problémy léčby kortikoidy. Cas Lek Cesk 117(42):1334–5, 20 Oct 78 **(Cze)**
*ADRENAL CORTEX HORMONES, therapeutic use/ HUMAN

Clin Endocrinol (Oxf)

4499. Prolactin. Proceedings of a one-day symposium organized by the Canadian Society of Endocrinology and Metabolism and the University of Toronto, Toronto, 6 December 1975. Clin Endocrinol (Oxf) 6 Suppl:1S–99S, 1977
ANIMAL/ FEMALE/ HUMAN/ MALE/ *PROLACTIN, physiology/ PROLACTIN, secretion

Clin Exp Immunol

4500. Evaluating the safety and efficacy of placental antigen vaccines for fertility regulation. Clin Exp Immunol 33(2):360–75, Aug 78
ANIMAL/ *ANTIGENS, standards/ ANTIGENS, toxicity/ *CONTRACEPTION/ *CONTRACEPTION, IMMUNOLOGIC/ DRUG EVALUATION/ DRUG SCREENING/ FEMALE/ GONADOTROPINS, CHORIONIC, immunology/ HUMAN/ MALE/ MONKEYS/ PEPTIDE FRAGMENTS, immunology/ *PLACENTA, immunology/ PREGNANCY/ SAFETY/ VACCINATION, adverse effects/ *VACCINES, standards/ VACCINES, toxicity

Drug Ther Bull

4501. Depression and oral contraceptives: the role of pyridoxine. Drug Ther Bull 16(22):86–7, 27 Oct 78
*CONTRACEPTIVES, ORAL, adverse effects/ DEPRESSION, chemically induced/ *DEPRESSION, drug therapy/ FEMALE/ HUMAN/ *PYRIDOXINE, therapeutic use

FDA Drug Bull

4502. Patient brochure for progestins warns against use in pregnancy [news] FDA Drug Bull 8(6):36–7, Dec 78–Jan 79
*ABNORMALITIES, DRUG-INDUCED, etiology/ *DRUG LABELING/ FEMALE/ HUMAN/ *PATIENTS, education/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ *PROGESTATIONAL HORMONES, adverse effects

4503. Progestasert IUD and ectopic pregnancy [news] FDA Drug Bull 8(6):37, Dec 78–Jan 79
COPPER/ FEMALE/ HUMAN/ *INTRAUTERINE DEVICES, MEDICATED, adverse effects/ PREGNANCY/ *PREGNANCY, ECTOPIC, etiology/ *PROGESTATIONAL HORMONES

Horm Res

4504. Hormone assays in reproductive medicine. Horm Res

9(6):317–458, 1978
FEMALE/ *HORMONES, blood/ HUMAN/ MALE/ PREGNANCY/ RADIOIMMUNOASSAY, methods/ *REPRODUCTION

Hosp Pract

4505. Refinements in maintenance therapy benefit asthmatics [news] Hosp Pract 13(9):125, 128, Sep 78
ASTHMA, drug therapy/ *ASTHMA, therapy/ *BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, therapeutic use/ HOSPITAL BED CAPACITY, 500 AND OVER/ HUMAN/ NEW YORK CITY/ *OUTPATIENT CLINICS, HOSPITAL, organization & administration

Infirm Fr

4506. A quarante ans quelle contraception choisir? Infirm Fr (199):21–5, Nov 78 **(Fre)**
ADULT/ AGE FACTORS/ *CONTRACEPTION, methods/ *CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ MALE/ MENOPAUSE

J Dermatol Surg Oncol

4507. Intraoral, laryngeal, and pharyngeal hemangiomas. J Dermatol Surg Oncol 4(11):863, Nov 78
ADRENAL CORTEX HORMONES, therapeutic use/ AIRWAY OBSTRUCTION, therapy/ CHILD, PRESCHOOL/ *HEMANGIOMA, therapy/ HUMAN/ INFANT/ *LARYNGEAL NEOPLASMS, therapy/ *MOUTH NEOPLASMS, therapy/ NEOPLASM REGRESSION, SPONTANEOUS/ *PHARYNGEAL NEOPLASMS, therapy/ TRACHEOTOMY

4508. Treatment of complicated hemangiomas with adrenocorticosteroids when the integrity or function of important structures or life itself is threatened. J Dermatol Surg Oncol 4(11):854–8, Nov 78
*ADRENAL CORTEX HORMONES, therapeutic use/ AIRWAY OBSTRUCTION, drug therapy/ CHILD/ CHILD, PRESCHOOL/ FACIAL ASYMMETRY, etiology/ FACIAL NEOPLASMS, complications/ *FACIAL NEOPLASMS, drug therapy/ FEMALE/ HEMANGIOMA, complications/ *HEMANGIOMA, drug therapy/ HEMANGIOMA, CAVERNOUS, drug therapy/ HUMAN/ INFANT/ MALE/ SKIN NEOPLASMS, complications/ *SKIN NEOPLASMS, drug therapy

J Steroid Biochem

4509. Fifth international congress on hormonal steroids. Abstracts. J Steroid Biochem 9(9):813–99, Sep 78
ANIMAL/ CONGRESSES/ *HORMONES/ HUMAN/ *STEROIDS

JAMA

4510. From the NIH: Awareness, better diagnosis, and drug therapy increase outlook for systemic lupus erythematosus. JAMA 241(1):23–4, 5 Jan 79
ADRENAL CORTEX HORMONES, therapeutic use/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC, diagnosis/ *LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy/ LUPUS ERYTHEMATOSUS, SYSTEMIC, mortality/ PREGNANCY/ REMISSION/ SALICYLATES, therapeutic use

4511. From the NIH: Oral contraceptive use no protection against cancer risk-associated fibrocystic breast disease. JAMA 241(1):24, 5 Jan 79
ADULT/ BIOPSY/ *BREAST DISEASES, occurrence/ BREAST DISEASES, prevention & control/ *BREAST NEOPLASMS, occurrence/ BREAST NEOPLASMS, pathology/ *CONTRACEPTIVES, ORAL, pharmacodynamics/ *CYSTS, occurrence/ CYSTS, prevention & control/ FEMALE/ HUMAN/ RISK

JEN

4512. Emergency nurse drug reference. JEN 4(5):51, Sep–Oct 78
*DEXAMETHASONE, therapeutic use/ EMERGENCIES/ HUMAN/ *MANNITOL, therapeutic use

Lancet

4513. HLA and congenital adrenal hyperplasia [letter] Lancet 2(8098):1046–7, 11 Nov 78
ADRENAL GLAND HYPERFUNCTION, etiology/ *ADRENAL GLAND HYPERFUNCTION, familial & genetic/ ADRENAL GLAND HYPERFUNCTION, immunology/ CHILD/ HAPLOIDY/ HUMAN/ HYDROXYLASES, deficiency/ *HL-A ANTIGENS, genetics

4514. Treatment of primary amyloidosis [editorial] Lancet 2(8101):1187–8, 2 Dec 78
*AMYLOIDOSIS, drug therapy/ DRUG THERAPY, COMBINATION/ FLUOXYMESTERONE, therapeutic use/ HUMAN/ MELPHALAN, therapeutic use/ PENICILLAMINE, therapeutic use/ PREDNISONE, therapeutic use

4515. Role of pineal gland in aetiology and treatment of breast cancer [letter] Lancet 2(8097):1001–2, 4 Nov 78
ANIMAL/ ANTINEOPLASTIC AGENTS/ *BREAST NEOPLASMS, etiology/ ESTROGENS, secretion/ FEMALE/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ *MELATONIN, physiology/ MELATONIN, therapeutic use/ *PINEAL BODY, secretion/ PROLACTIN, secretion/ RATS

4516. Clinical use of A.F.P. and H.C.G. in testicular tumours of germ-cell origin [letter] Lancet 2(8098):1042, 11 Nov 78
*ALPHA FETOPROTEINS, analysis/ FOLLOW-UP STUDIES/ *GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MALE/ MONITORING, PHYSIOLOGIC/ *NEOPLASMS, EMBRYONAL AND MIXED, diagnosis/ NEOPLASMS, EMBRYONAL AND MIXED, therapy/ *TESTICULAR NEOPLASMS, diagnosis/ TESTICULAR NEOPLASMS, therapy

4517. Pituitary adenomas and oral contraceptives [letter] Lancet 2(8104–5):1384, 23–30 Dec 78
*ADENOMA, chemically induced/ ADOLESCENCE/ ADULT/ *ESTROGENS, SYNTHETIC, toxicity/ FEMALE/ HUMAN/ *NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, chemically induced/ *PITUITARY NEOPLASMS, chemically induced/ PROLACTIN, secretion

4518. Kallikrein and plasmin as activators of inactive renin [letter] Lancet 2(8104–5):1375, 23–30 Dec 78
ANIMAL/ BLOOD COAGULATION DISORDERS/ CASE REPORT/ COLD/ ENZYME ACTIVATION/ ENZYME PRECURSORS, blood/ *FIBRINOLYSIN, physiology/ HUMAN/ IN VITRO/ *KALLIKREIN, physiology/ MALE/ MIDDLE AGE/ PREKALLIKREIN, metabolism/ *RENIN, blood

4519. Vitamin-D analogues and renal function [letter] Lancet 2(8102):1259–60, 9 Dec 78
AGED/ CALCIUM, blood/ CREATININE, blood/ DRUG THERAPY, COMBINATION/ ETHINYL ESTRADIOL, administration & dosage/ FEMALE/ HUMAN/ *HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYPERCALCEMIA, prevention & control/ *KIDNEY, drug effects/ KIDNEY, physiopathology/ MENOPAUSE/ MIDDLE AGE/ NORETHINDRONE, administration & dosage/ *OSTEOPOROSIS, drug therapy/ UREMIA, physiopathology

4520. Does renin lower blood-pressure? [letter] Lancet 2(8103):1312, 16 Dec 78
ANGIOTENSIN II, physiology/ *BLOOD PRESSURE/ HUMAN/ *HYPERTENSION, prevention & control/ *RENIN, physiology

Med Klin

4521. Krebsrisiko durch die Pille? Med Klin 73(43):4, 27 Oct 78 **(Ger)**
*CERVIX NEOPLASMS, chemically induced/ *CONTRACEPTIVES, ORAL, adverse effects/ *CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ FEMALE/ HUMAN/ RISK

MMW

4522. Wenn die hormonale Regulation entgleist. MMW 120(45):1476, 10 Nov 78 **(Ger)**
*DIABETES MELLITUS, physiopathology/ *GOITER, EXOPHTHALMIC, physiopathology/

HORMONES, physiology/ HUMAN/ *HYPERCHOLESTEREMIA, physiopathology/ RECEPTORS, HORMONE

4523. Die ärztliche Untersuchung der Mammae. MMW 121(1):10, 5 Jan 79 (Ger)
*BREAST NEOPLASMS, diagnosis/ *BREAST/ FEMALE/ HUMAN/ LACTATION/ LYMPH NODES/ PALPATION

N Engl J Med

4524. Diagnosis of pheochromocytoma by computed axial tomographic scan and other methods [letter] N Engl J Med 299(26):1469–71, 28 Dec 78
*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, radiography/ HUMAN/ *PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, radiography/ *TOMOGRAPHY, COMPUTERIZED AXIAL/ ULTRASONICS, diagnostic use

4525. Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1978. N Engl J Med 299(26):1456–60, 28 Dec 78
ADENOCARCINOMA, pathology/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, pathology/ AGED/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/ KIDNEY NEOPLASMS, diagnosis/ *KIDNEY NEOPLASMS, pathology/ KIDNEY PELVIS, pathology/ KIDNEY, pathology/ LYMPH NODES, pathology/ LYMPHOMA, diagnosis/ *LYMPHOMA, pathology/ MALE/ RETROPERITONEAL SPACE/ SIGMOID NEOPLASMS, pathology

Ned Tijdschr Geneeskd

4526. Tekortkomingen in vooronderzoek en nazorg van een mediane halskyste die na operatieve verwijdering de schildklier bleek te zijn. Ned Tijdschr Geneeskd 122(49):1938–40, 9 Dec 78 (Dut)
CASE REPORT/ CHILD/ CYSTS, diagnosis/ *CYSTS, surgery/ DIAGNOSIS, DIFFERENTIAL/ DIAGNOSIS, SURGICAL/ FEMALE/ HEAD AND NECK NEOPLASMS, diagnosis/ *HEAD AND NECK NEOPLASMS, surgery/ HUMAN/ *MALPRACTICE, legislation & jurisprudence/ NETHERLANDS/ *THYROID GLAND, surgery

NY State J Med

4527. Abdominal mass with varicocele. NY State J Med 78(14):2219–22, Dec 78
ADULT/ BIOPSY/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ *DYSGERMINOMA, pathology/ DYSGERMINOMA, radiography/ HUMAN/ *LYMPHANGIOMA, pathology/ LYMPHANGIOMA, radiography/ LYMPHATIC METASTASIS/ MALE/ *RETROPERITONEAL NEOPLASMS, pathology/ RETROPERITONEAL NEOPLASMS, radiography/ *TESTICULAR NEOPLASMS, pathology/ TESTICULAR NEOPLASMS, radiography/ *VARICOCELE, pathology/ VARICOCELE, radiography

NZ Med J

4528. Personal factors in death under 50 [editorial] NZ Med J 88(625):447, 13 Dec 78
ADULT/ AGE FACTORS/ *ATTITUDE TO HEALTH/ *DEATH/ ENGLAND/ GASTROENTERITIS, mortality/ HUMAN/ LIVER CIRRHOSIS, ALCOHOLIC, mortality/ LUNG NEOPLASMS, mortality/ MENINGOCOCCAL INFECTIONS, mortality/ MIDDLE AGE/ MYOCARDIAL INFARCTION, mortality/ MYXEDEMA, mortality/ PATIENT DROPOUTS/ SUICIDE, occurrence

Oftalmol Zh

4529. Kompleksnaia diagnostika opukholei orbity. Oftalmol Zh (6):403–4, 1978 (Rus)
DIAGNOSIS, DIFFERENTIAL/ EXOPHTHALMOS, diagnosis/ HUMAN/ *ORBITAL NEOPLASMS, diagnosis

Pediatrics

4530. Report of the Conference on estrogen treatment of the young. Pediatrics 62(6 Pt 2):1087–217, Dec 78
CALIFORNIA/ CHILD/ CONGRESSES/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PEDIATRICS/ SOCIETIES, MEDICAL

4531. American Academy of Pediatrics. Committee on Nutrition. Calcium requirements in infancy and childhood. Pediatrics 62(5):826–34, Nov 78 (36 ref.)
ADOLESCENCE/ BODY WEIGHT/ CALCIUM, metabolism/ *CALCIUM, DIETARY/ CALCIUM, DIETARY, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FETUS, metabolism/ GROWTH/ HUMAN/ INFANT/ INFANT, LOW BIRTH WEIGHT/ INTESTINAL ABSORPTION/ LACTATION/ MALE/ *NUTRITION/ NUTRITIONAL REQUIREMENTS/ *PEDIATRICS/ PHOSPHORUS, metabolism/ PREGNANCY/ REVIEW/ *SOCIETIES, MEDICAL/ UNITED STATES

4532. Estrogen treatment of the young: summary and recommendations. Pediatrics 62(6 Pt 2):1216–7, Dec 78
ADENOCARCINOMA, chemically induced/ ADOLESCENCE/ *BODY HEIGHT/ DIETHYLSTILBESTROL, adverse effects/ DIETHYLSTILBESTROL, therapeutic use/ ESTROGENS, adverse effects/ *ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ RISK/ TURNER'S SYNDROME, drug therapy/ VAGINAL NEOPLASMS, chemically induced

People

4533. Pill findings confirmed. People 5(4):41, 1978
*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ NEOPLASMS, etiology/ *THROMBOPHLEBITIS, etiology

Przegl Lek

4534. Badania radioimmunologiczne—zasada, interpretacja wyników, znaczenie kliniczne. Przegl Lek 35(10):781–94, 1978 (Pol)
ALPHA FETOPROTEINS, analysis/ CARCINOEMBRYONIC ANTIGEN, analysis/ ESTROGENS, analysis/ FEMALE/ HUMAN/ MALE/ PARATHYROID DISEASES, diagnosis/ PREGNANCY/ PROGESTERONE, analysis/ *RADIOIMMUNOASSAY/ SOMATOTROPIN, analysis

Roentgenpraxis

4535. Neue radiologische Verfahren im Spiegel der Fachpresse. Roentgenpraxis 31(11):257–60, Nov 78 (Ger)
ADRENAL GLANDS/ BILE DUCT NEOPLASMS, radiotherapy/ BIOPSY/ BONE AND BONES, pathology/ HUMAN/ *TECHNOLOGY, RADIOLOGIC, methods/ THORACIC RADIOGRAPHY/ ULTRASONICS, diagnostic use

Thorax

4536. Proceedings of the Thoracic Society. A meeting held in Oxford on 6—7 July 1978. Summaries of papers. Thorax 33(5):666–80, Oct 78
CONGRESSES/ ENGLAND/ HUMAN/ *LUNG, physiology/ *MYASTHENIA GRAVIS/ MYASTHENIA GRAVIS, complications/ OCCUPATIONAL DISEASES/ *RESPIRATORY TRACT DISEASES/ RESPIRATORY TRACT DISEASES, diagnosis/ RESPIRATORY TRACT DISEASES, physiopathology/ SOCIETIES, MEDICAL/ THORACIC INJURIES, therapy/ THORAX/ *THYMUS NEOPLASMS/ THYMUS NEOPLASMS, complications

Z Erkr Atmungsorgane

4537. Bericht über die 40. Arbeitstagung der Arbeitsgruppe Pathophysiologie der Atmung in der Gesellschaft für Pathophysiologie der DDR und der Gesellschaft für Bronchopneumonologie und Tuberkulose der DDR. Z Erkr Atmungsorgane 151(2):172–80, 1978 (Eng, Ger)
ACUTE DISEASE/ ANIMAL/ ASTHMA, drug therapy/ CHRONIC DISEASE/ DISEASE MODELS, ANIMAL/ DISSEMINATED INTRAVASCULAR COAGULATION, complications/ GUINEA PIGS/ *LUNG DISEASES/ PARAQUAT, poisoning/ PNEUMONIA, ASPIRATION, metabolism/ PULMONARY SURFACTANT, physiology/

RABBITS/ RATS/ RESPIRATION, ARTIFICIAL, adverse effects/ SHOCK/ SWINE/ THIOCYANATES, therapeutic use

A

A-23187: 186, 233, 546, 1719, 2400, 2417, 2781, 3547, 3927, 4293
ABATTOIRS: 2699
ABDOMEN: 133, 955, 1598, 2306, 2668, 3036, 4021
ABDOMINAL NEOPLASMS: 2262, 2265, 2668, 3203
ABDOMINAL WALL: 142, 2571, 4039
ABNORMALITIES: 1990, 3730, 3818
ABNORMALITIES, DRUG-INDUCED: 336, 342, 469, 685, 2484, 2611, 3730, 4145, 4334, 4502
ABNORMALITIES, MULTIPLE: 50, 85, 741, 1041, 1369, 2094, 3070, 3678, 3730, 3834, 4039
ABO BLOOD-GROUP SYSTEM: 1251, 1823, 2002
ABOMASUM: 2497
ABORTIFACIENT AGENTS: 2986, 3423, 3474, 3559
ABORTIFACIENT AGENTS, NON-STEROIDAL: 1820, 3423
ABORTIFACIENT AGENTS, STEROIDAL: 2986, 3474, 3559
ABORTION: 429, 1278, 1328, 1647, 2436, 2484, 2591
ABORTION, INDUCED: 218, 429, 587, 1820, 2251, 3559, 3771
ABORTION, LEGAL: 158
ABORTION, MISSED: 662, 3195
ABORTION, THERAPEUTIC: 662, 1005, 3898
ABORTION, THREATENED: 2, 1665, 2558, 3195
ABRIN: 4068
ABRUPTIO PLACENTAE: 589, 3586
ABSCESS: 987, 2256, 2524, 2878, 3542
ABSORPTION: 1038, 1254, 1766, 2204, 2432, 3354, 3878, 4004, 4053
ACCIDENTS: 972, 4491
ACCIDENTS, HOME: 973
ACCIDENTS, TRAFFIC: 963
ACCLIMATIZATION: 1371
ACEBUTOLOL: 1433, 2614, 3093
ACETABULUM: 2439
ACETALDEHYDE: 79, 351, 1311
ACETAMIDES: 4316, 4425
ACETAMINOPHEN: 2371, 2613
ACETATES: 273, 390, 646, 996, 1209, 1258, 2784, 3743
ACETAZOLAMIDE: 1613, 2009, 3753, 4077, 4099
ACETIC ACIDS: 809, 2450
ACETIC ANHYDRIDES: 1495
ACETOACETATES: 1698, 3743
ACETONE: 2212, 3134, 3912
ACETYL COA CARBOXYLASE: 2287, 2402
ACETYL COENZYME A: 3743
ACETYLAMINOFLUORENE: 803, 2375
ACETYLATION: 1391, 1495, 3743
ACETYLCHOLINE: 99, 102, 356, 397, 489, 599, 629, 720, 820, 1064, 1159, 1229, 1629, 1837, 1876, 2197, 2246, 2319, 2352, 2457–2458, 2562, 2739, 2881, 2899, 2928, 3048, 3175, 3709, 3868, 3986, 4034, 4169, 4381, 4388
ACETYLCHOLINESTERASE: 2128, 3292, 4209
ACETYLENE: 4137, 4316
ACETYLGLUCOSAMINIDASE: 1683, 1959, 2916, 3334
ACETYLSEROTONIN METHYLTRANSFERASE: 190, 1495
ACETYLTRANSFERASES: 353, 3820, 4457
ACHILLES TENDON: 3503
ACHLORHYDRIA: 1793
ACHONDROPLASIA: 503, 1415, 2094
ACID-BASE EQUILIBRIUM: 2162, 2204, 2246, 2485, 3753, 4122
ACID-BASE IMBALANCE: 229, 1026, 2485
ACID PHOSPHATASE: 1274, 1605, 2222, 2804, 3500, 3969
ACIDOSIS: 603, 1698, 2162, 3753
ACIDOSIS, DIABETIC: 3541
ACIDOSIS, RENAL TUBULAR: 217, 1060, 1290, 2189, 2556, 3352, 3911
ACIDOSIS, RESPIRATORY: 1203
ACNE: 81, 1327, 2229, 2238, 2956, 4458
ACOUSTIC STIMULATION: 404, 3696, 4169
ACRIFLAVINE: 990
ACROMEGALY: 864, 962, 981, 1057, 1356, 2386, 2486, 2653, 2775, 2850, 3015, 3372
ACROSOME: 541, 1080
ACRYLATES: 3285
ACRYLONITRILE: 4194
ACTIHAEMYL: 2601
ACTIN: 25, 805, 2690, 4263
ACTININ: 805
ACTINIUM: 3389
ACTINOMYCES: 3187
ACTINOMYCETACEAE: 1035
ACTINOMYCOSIS, CERVICOFACIAL: 2220
ACTION POTENTIALS: 135, 381, 411, 592, 599, 636, 861, 913, 951, 1229, 1249, 1461, 1479, 1562, 1706, 1748, 1755, 1879, 2124, 2647, 2906–2907, 2926, 3080, 3243, 3779, 3867, 3944, 4026, 4066, 4136, 4243, 4379, 4398
ACTIVITY CYCLES: 404, 2438, 4272
ACTOMYOSIN: 4263
ACUPUNCTURE: 1147, 3022, 4297
ACUTE DISEASE: 6, 136, 277, 422, 625, 730, 798, 903, 941, 1003, 1076, 1178, 1255, 1325, 1448, 1486, 1509, 1632, 1746, 1797, 1980, 2000, 2019, 2119, 2442, 2552, 2714, 2808, 2906, 3366, 3465, 3541, 3754, 3862, 3975, 4065, 4193, 4207, 4249, 4360, 4495, 4537
ACYLATION: 1498, 2679
ADAPTATION, BIOLOGICAL: 3799
ADAPTATION, OCULAR: 758
ADAPTATION, PHYSIOLOGICAL: 1269, 1414, 2074, 2162, 2443, 2897, 2971, 3393, 3554, 3638
ADAPTATION, PSYCHOLOGICAL: 3322, 3673
ADDISON'S DISEASE: 875, 1125, 1333, 2642, 2869, 3155, 3438, 3539
ADENINE: 1165, 3009
ADENINE NUCLEOTIDE TRANSLOCASE: 2820
ADENINE NUCLEOTIDES: 990, 1317, 2074, 2159, 2814, 2974, 3244, 3383, 4014, 4094, 4427
ADENOCARCINOMA: 104, 189, 232, 298, 378, 466, 547, 663, 1030, 1176, 1313, 1360, 1710, 1824, 1829, 1835, 2097, 2258, 2304, 2320, 2606, 2649, 2659, 2813, 2936, 3011, 3103, 3357, 3459, 3467, 3475, 3543, 3598, 3795, 3892, 4049, 4149, 4223, 4304, 4420, 4433, 4525, 4532
ADENOCARCINOMA, PAPILLARY: 4304
ADENOFIBROMA: 3945
ADENOMA: 38, 110, 197, 378, 383, 421, 533, 765, 859, 870, 954, 1057, 1152, 1183, 1211, 1262, 1314, 1515, 1548, 1620, 1662, 1720, 1724, 1761–1762, 1799, 1822, 2087–2088, 2330, 2387, 2416, 2470, 2566, 2606, 2665, 2813, 2880, 2882, 2943, 3000, 3012, 3016, 3018, 3281, 3362, 3367, 3543, 3615, 3836, 3919, 3945, 4071, 4183, 4252, 4440, 4517
ADENOMA, BASOPHILIC: 1914
ADENOMA, CHROMOPHOBE: 1115, 1168, 1914, 2470, 2850, 3371–3372, 3477, 3669
ADENOMA, EOSINOPHILIC: 1914, 2850
ADENOMA, VIRILIZING: 1282, 3909
ADENOMATOSIS, FAMILIAL ENDOCRINE: 561, 849, 2302, 4140
ADENOSINE: 169, 904, 1174–1175, 1323, 1491, 1539, 1596, 2362, 2488, 3244, 3287, 3456, 3501, 3923, 4094, 4131, 4373
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE: 24, 37, 69, 99, 117, 130, 168–169, 219, 255, 280, 296, 300, 331, 341, 350, 353, 377, 410, 416, 433–434, 440, 473, 521, 531, 546, 559, 585, 620, 642, 655, 659, 677, 696, 725, 743, 750, 792, 809, 815–816, 819, 870, 884, 904, 915, 924, 928, 930, 990, 993, 1007, 1010, 1017, 1047, 1089, 1109, 1118, 1128, 1130, 1161–1162, 1165, 1174–1175, 1189–1190, 1193, 1222, 1229, 1231, 1263, 1270, 1285–1286, 1311, 1348, 1382, 1385, 1421, 1461, 1492, 1518, 1539, 1565–1566, 1591, 1629, 1642, 1659, 1674–1675, 1743, 1770, 1772, 1778, 1798, 1836, 1846, 1875, 1877, 1890, 1925, 1964, 2009, 2011, 2015, 2047, 2051, 2061, 2092, 2102, 2132, 2136, 2145, 2160, 2179, 2189, 2279, 2287, 2305, 2337, 2359, 2362, 2392, 2400, 2419, 2443, 2449, 2488, 2513, 2519, 2523, 2559, 2670, 2719, 2759, 2766, 2768, 2775, 2779, 2781, 2790, 2797, 2800, 2805, 2852, 2861, 2872, 2881, 2902, 2906–2907, 2916, 2923, 2929, 2936, 2961, 2966, 2971, 2974, 3037, 3094, 3102, 3116, 3132, 3166, 3175, 3178, 3187, 3189, 3218, 3221–3222, 3244, 3272, 3289, 3296, 3304, 3313, 3350, 3366, 3399, 3410, 3419, 3430–3432, 3456, 3501, 3517, 3534, 3540, 3549, 3617, 3645, 3658–3659, 3668, 3689, 3720, 3750, 3753, 3778–3779, 3781, 3798, 3811, 3813, 3819, 3828, 3863, 3865, 3896, 3908, 3914–3915, 3922, 3946, 3949, 3967, 3971, 3986, 3996, 4011, 4019, 4052, 4087, 4090, 4094, 4131, 4209, 4229, 4241, 4247, 4254, 4291, 4297, 4303, 4346, 4373, 4387, 4395, 4427, 4448, 4457
ADENOSINE DEAMINASE: 904, 1323, 1415, 1596, 4373
ADENOSINE DIPHOSPHATE: 94, 1286–1287, 1289, 2047, 2288, 2399, 2417, 2831, 2974, 3430, 3659, 3893, 4174, 4246, 4347
ADENOSINE DIPHOSPHATE SUGARS: 266
ADENOSINE MONOPHOSPHATE: 655, 2916
ADENOSINE TRIPHOSPHATASE: 287, 1304, 1447, 1450, 1494, 1531, 1897, 2690, 2820, 2861, 3453, 3789, 3891, 4124, 4154, 4263
ADENOSINE TRIPHOSPHATASE, CALCIUM: 351, 943, 1924, 2203, 2893, 3789, 4172, 4468
ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM: 928, 1494, 1770, 1924, 1995, 2893, 3779, 3789, 3824, 4242, 4342
ADENOSINE TRIPHOSPHATE: 14, 58, 186–187, 348, 546, 624, 669, 805, 1159, 1287, 1377, 1667, 1675, 1836, 2047, 2115, 2287, 2319, 2652, 2820, 3258–3259, 4014, 4093, 4172, 4339, 4342, 4347
S-ADENOSYLHOMOCYSTEINE: 1596
S-ADENOSYLMETHIONINE: 61, 774, 4199
ADENYL CYCLASE: 14, 61, 92, 117, 266, 296, 358, 416, 433, 518, 559, 642, 659, 669, 674, 696, 729, 819, 901, 918, 930, 953, 1010, 1013, 1161–1162, 1174, 1237, 1244, 1310, 1323, 1390, 1465, 1491, 1531, 1539, 1577, 1591, 1659, 1661, 1682, 1696, 1715, 1836, 1866, 1889, 1923, 2034, 2051, 2123, 2249, 2269, 2279, 2307, 2331, 2362, 2618, 2766, 2800, 2841–2842, 2888, 2936, 2952, 2954, 3037, 3114, 3170, 3186, 3189, 3273, 3287, 3302, 3410, 3417, 3429, 3499, 3526, 3540, 3604, 3658, 3671, 3689, 3719, 3816, 3865, 3906, 3914–3915, 3949, 3980, 4139, 4164, 4233, 4242, 4367, 4374
ADENYLATE KINASE: 2159
ADENYLYL IMIDODIPHOSPHATE: 669
ADHESIONS: 3739
ADHESIVENESS: 2761
ADIPOSE TISSUE: 147, 177, 179, 273, 446, 521, 868, 1068, 1103, 1174, 1237, 1305, 1310–1311, 1504, 1518, 1549, 1553, 1639, 1778, 1955, 2300, 2315, 2362, 2565, 2781, 2929, 3125, 3342, 3417, 3643, 3984, 3994, 4373, 4395
ADJUVANTS, IMMUNOLOGIC: 2625
ADMINISTRATION, ORAL: 544, 580, 637, 853, 1095, 1324, 1894, 1906, 2119, 2175, 2536, 2561, 2652, 2778, 3136, 3420, 3434, 3622, 3817, 3886, 3937, 4042, 4050, 4102, 4125, 4388, 4390
ADMINISTRATION, TOPICAL: 463, 632, 1095, 1702, 2086, 2096, 2229, 3308, 3552, 3817, 3864, 4102
ADNEXA UTERI: 862
ADNEXAL DISEASES: 3591
ADNEXITIS: 2256
ADOLESCENCE: 11–13, 31–33, 44, 55, 80, 83, 95, 110, 128–129, 142, 182, 202, 209–210, 212, 220–221, 274, 288, 293, 314, 329, 337–338, 345, 361, 373, 375–376, 386, 389, 391, 417, 419, 426, 439–440, 446, 497, 545, 576, 579, 587, 597, 603, 605, 628, 637, 654, 661, 671, 688, 693, 701, 703, 705, 711, 731, 736–737, 740, 756, 761–762, 789, 796, 810, 814, 837, 859, 862–863, 883, 885, 907, 912, 914, 923, 937, 950, 954–955, 957, 961, 988–989, 1002–1003, 1012, 1018, 1045, 1049, 1057, 1071, 1073, 1076, 1079, 1084, 1098, 1105, 1113, 1124, 1138, 1161, 1164, 1166, 1202, 1220, 1231, 1262, 1273, 1277, 1279, 1308, 1321, 1324, 1370, 1375, 1437, 1456, 1460, 1472, 1504, 1513, 1529, 1538, 1544, 1561, 1564, 1582–1583, 1647, 1651, 1697, 1700, 1702, 1734, 1745, 1762, 1764, 1793, 1805, 1810, 1826, 1830, 1839, 1872, 1874, 1881–1882, 1895, 1897, 1902, 1910, 1924, 1929, 1937, 1969, 2046, 2057, 2072, 2078, 2081, 2113, 2117, 2137, 2156–2158, 2176, 2185, 2198, 2229, 2237, 2259, 2265, 2271, 2283, 2294, 2301, 2304, 2317, 2347, 2370, 2378–2379, 2383, 2399, 2437, 2469, 2503–2504, 2507, 2514, 2526–2527, 2529, 2536, 2538, 2544, 2546, 2549, 2569, 2572, 2583, 2594, 2596, 2610, 2660, 2683, 2686, 2695, 2705, 2711, 2726, 2730–2731, 2773, 2778–2779, 2815, 2823, 2830, 2834, 2859, 2865, 2876, 2901, 2908,

2935, 2956, 2968, 2972, 2978, 2997, 3006, 3011, 3019, 3023, 3029, 3036, 3062, 3096, 3107, 3122–3123, 3128, 3140, 3142, 3144, 3161, 3173, 3208–3209, 3220, 3247, 3266, 3269, 3274, 3278, 3291, 3325–3326, 3345–3346, 3352, 3356–3357, 3367, 3370, 3375, 3406, 3411, 3414, 3427, 3434, 3437–3438, 3440–3442, 3468, 3493, 3503, 3520, 3529, 3541, 3543, 3551, 3558, 3561, 3568, 3590, 3596, 3615, 3630, 3642, 3645, 3647, 3710, 3715–3717, 3730, 3734, 3765, 3788, 3792, 3830, 3834, 3844, 3849, 3857, 3862, 3887, 3918–3919, 3921, 3925, 3932, 3935, 3939, 3945, 3966, 3970, 3979, 3992, 4000, 4002, 4023, 4027, 4042, 4046, 4064, 4085–4086, 4102, 4104–4105, 4128, 4157, 4160, 4196, 4207, 4219, 4223, 4231, 4278, 4286, 4294, 4296, 4307, 4323, 4328, 4333, 4343, 4353, 4357, 4365, 4370, 4375, 4390, 4421, 4444, 4449, 4459, 4463, 4470, 4483–4484, 4517, 4531–4532

ADRENAL CORTEX: 148, 317, 329, 802, 804, 871, 876, 942, 1017, 1211, 1225, 1323, 1333, 1641, 1741, 1857, 1864, 2021, 2178, 2244, 2372, 2390, 2435, 2513, 2757, 2817, 2855, 3032, 3035, 3186, 3465, 3539, 3554, 3714, 3716, 3735, 3754, 3850–3851, 3904, 3909, 3963, 4073, 4120, 4182–4183, 4350, 4447

ADRENAL CORTEX DISEASES: 871, 3438, 4188

ADRENAL CORTEX FUNCTION TESTS: 1283

ADRENAL CORTEX HORMONES: 28, 31, 88, 122, 162, 229, 244, 257, 277, 286, 303, 307–308, 329, 425, 467, 570, 609, 641, 643, 651, 653, 661, 678, 690, 704, 739, 760, 775, 785, 813, 909, 979, 991, 1017, 1052, 1055, 1124, 1211, 1261, 1268, 1277, 1283, 1295, 1335, 1349, 1381, 1401, 1409, 1437, 1445, 1508, 1607, 1695, 1701, 1761, 1797, 1801, 1861, 1945, 1958, 1986, 2023, 2030, 2074, 2164, 2207, 2217, 2231, 2292, 2348, 2357, 2379, 2447, 2490, 2543, 2584, 2659–2660, 2702, 2707, 2717, 2737, 2793, 2807, 2834, 3018, 3025, 3071, 3122, 3130, 3158–3159, 3208–3209, 3214, 3224, 3274, 3353, 3356, 3363, 3379, 3439, 3528, 3592, 3665, 3766, 3831, 3857, 3864, 3888, 3966, 3975, 4007, 4017, 4102, 4120, 4207, 4237, 4285, 4301, 4360, 4384, 4438, 4460, 4494, 4498, 4507–4508, 4510

ADRENAL CORTEX NEOPLASMS: 38, 704, 1643, 2280, 3281, 3410, 4183

ADRENAL CORTICAL REST TUMOR: 4091

ADRENAL GLAND DISEASES: 133, 1211, 1511, 1908, 2138, 2878, 3070, 3440, 3455, 4461

ADRENAL GLAND HYPERFUNCTION: 835, 2104, 2851, 2865, 3337, 3418, 3438, 3440, 4016, 4104, 4513

ADRENAL GLAND HYPOFUNCTION: 893, 945, 1471, 1752, 2022, 2341, 2384, 2740, 2829, 2851, 2869, 3438, 3440

ADRENAL GLAND NEOPLASMS: 270, 487, 567, 618, 779, 832–833, 835, 849, 954, 1211, 1283, 1323, 1360, 1634, 1908, 2105, 2299, 2522, 2573, 2726–2727, 2751, 2760, 2885, 3018, 3086, 3141, 3203, 3455, 3492, 3543, 3578, 3764, 3909, 4057, 4199, 4225, 4238, 4428, 4461, 4524–4525

ADRENAL GLANDS: 41, 93, 133, 174, 350, 352, 425, 519, 607, 620, 681, 792, 803, 829, 845, 921, 928, 954, 960, 1058–1059, 1177, 1194, 1213, 1283, 1317, 1330, 1341, 1372, 1402, 1526, 1530, 1540, 1634, 1638, 1641, 1756, 1794, 1800, 1891, 1908, 1961, 2056, 2106, 2141, 2201, 2206, 2253, 2263, 2292, 2299, 2395–2396, 2400, 2453, 2505, 2571, 2603, 2712, 2773, 2897, 2991, 3005, 3050, 3084, 3086, 3130, 3167, 3207, 3281, 3410, 3465, 3492, 3516, 3553, 3555, 3588, 3666, 3697, 3764, 3835, 3841, 4003, 4030, 4074, 4141, 4182, 4199, 4264, 4423, 4465, 4535

ADRENAL MEDULLA: 55, 187, 279, 664, 734, 1283, 1330, 1377, 1607, 1629, 1754, 1887, 2029, 2037, 2058, 2246, 2739, 2820, 3086, 3419, 3445, 3465, 3527, 3578, 3767, 4043, 4103, 4182, 4388

ADRENALECTOMY: 159, 171, 174, 238, 282, 584, 617, 713, 849, 1038, 1110, 1553, 1607, 1761, 1774, 1800, 1807, 1857, 1870, 1922, 1961, 2198, 2603, 2740, 2745, 2749, 2782, 2869–2870, 3103, 3233, 3553, 3563, 3741, 3930, 4028, 4074, 4082, 4120, 4141, 4184, 4395, 4412

ADRENERGIC ALPHA RECEPTOR AGONISTS: 3264

ADRENERGIC ALPHA RECEPTOR BLOCKADERS: 1408

ADRENERGIC BETA RECEPTOR AGONISTS: 729, 953, 2192, 2269, 2800, 2929, 3419, 4384

ADRENERGIC BETA RECEPTOR BLOCKADERS: 726, 729, 953, 1203, 1433, 1481, 1840, 2216, 2249, 2336, 2773, 2907, 3093, 3417, 3583, 4366

ADRENERGIC FIBERS: 205, 513, 913

ADRENERGIC RECEPTOR AGONISTS: 1224, 2670, 4384

ADRENOCHROME: 2939, 3137

ADRENODOXIN: 3588

ADRENOGENITAL SYNDROME: 3818

ADSORPTION: 4032, 4098

ADULT: 11–13, 32–33, 38–39, 44–46, 48, 52, 55, 65, 71, 74, 80, 83, 95, 104, 108, 110, 121, 128–129, 133–134, 136, 138–140, 142, 164, 173, 182, 189, 202, 209–210, 212, 218, 228, 230, 256, 259–260, 272, 274, 277–278, 288, 291, 298–299, 302, 306, 310, 314, 316, 324, 329, 336, 338–339, 343–344, 361, 371–372, 375–376, 378, 384, 389, 417–418, 422, 426, 428, 438–440, 443–444, 446, 451, 454, 463, 466, 468, 478, 497, 502, 520, 530, 532–534, 540, 545, 547, 553, 555, 561, 566, 570, 576, 579–580, 589, 597, 600, 608–609, 618, 628, 630, 632, 643, 645, 652–653, 661–662, 670, 685, 687–688, 693, 701, 707, 711, 714, 717, 721, 732, 736–737, 740, 752, 761–762, 765, 768–769, 776, 785, 789, 794, 798–799, 801, 810, 813–814, 835–837, 843, 849, 859, 862–864, 866, 869, 883–886, 891, 894, 896, 914, 923, 929, 934, 937, 941, 947–948, 950, 954–955, 957, 961–962, 967–968, 981, 987–988, 991, 994, 996, 1012, 1014–1015, 1018, 1023, 1028, 1030, 1041, 1048–1049, 1057–1058, 1060–1061, 1063, 1069–1071, 1074, 1076, 1079, 1083–1084, 1088, 1093, 1098, 1105–1106, 1113, 1115–1116, 1124–1125, 1128, 1138, 1145, 1152, 1161, 1164, 1166, 1168, 1173, 1180, 1183, 1188, 1195, 1198, 1202, 1220–1222, 1231, 1239, 1253, 1262, 1266, 1272–1273, 1279, 1282–1283, 1287, 1300, 1312–1314, 1316, 1320–1321, 1331, 1341, 1343, 1346, 1350, 1356, 1375, 1380, 1401, 1412, 1425, 1433–1434, 1442, 1456, 1460, 1467, 1472, 1476–1477, 1481, 1483, 1486, 1503–1504, 1509, 1511, 1513, 1529, 1538, 1542, 1544, 1546, 1548, 1552, 1561, 1564, 1582–1583, 1587, 1602, 1612, 1616, 1619–1620, 1631, 1643, 1647, 1651–1652, 1672, 1686, 1693, 1697, 1700–1702, 1712, 1717, 1733–1734, 1745, 1747, 1750, 1752, 1757, 1764, 1767, 1792–1793, 1797, 1799–1800, 1805, 1810, 1812, 1815, 1823–1824, 1830, 1832, 1834–1835, 1839, 1865, 1870–1872, 1874, 1878, 1881, 1884, 1886, 1895, 1897, 1902, 1906, 1908, 1911, 1916, 1922, 1924, 1943–1944, 1969, 1973, 1981, 1988–1990, 1997, 1999, 2010, 2016–2020, 2023, 2026–2028, 2033, 2042–2043, 2049, 2060, 2066, 2069–2070, 2072–2073, 2089, 2091, 2096, 2099, 2102, 2112, 2114, 2117, 2119, 2135, 2137, 2144, 2146, 2155–2158, 2164, 2166–2167, 2171–2172, 2176, 2182, 2184–2185, 2189–2190, 2193–2194, 2196, 2208, 2210, 2218, 2221, 2226, 2229, 2232, 2237, 2241, 2252, 2254, 2256, 2259, 2263, 2266, 2271, 2286, 2298, 2301, 2304, 2310–2311, 2313, 2317, 2321, 2323, 2325, 2329, 2334, 2336, 2340–2342, 2347, 2358, 2366, 2370, 2378–2379, 2383–2384, 2386–2387, 2394, 2398, 2401, 2406–2407, 2422, 2428, 2432–2433, 2436–2437, 2445, 2454–2455, 2462, 2465, 2485, 2490, 2494, 2501, 2503–2504, 2507, 2510, 2515, 2522, 2526–2527, 2529, 2532, 2534, 2538, 2542–2544, 2549, 2551–2554, 2563, 2565, 2572, 2575, 2577, 2582–2583, 2586, 2593–2594, 2596, 2599–2600, 2608, 2610, 2614, 2638, 2648, 2652, 2656, 2658, 2661–2663, 2665, 2669, 2673, 2678, 2683–2684, 2686, 2695, 2706, 2711, 2723, 2726, 2730, 2751, 2760–2761, 2774, 2778–2780, 2796, 2804, 2806, 2808–2809, 2811, 2815–2816, 2819, 2822, 2825, 2830–2831, 2833–2834, 2839, 2847, 2856, 2859–2860, 2868–2869, 2871, 2874, 2876, 2882, 2885, 2890, 2901, 2905, 2908, 2912, 2934–2935, 2937, 2944, 2949, 2956, 2978–2979, 2990, 2992, 2994, 2997, 3006–3007, 3010, 3016–3019, 3023, 3036, 3053, 3059, 3061–3062, 3069, 3071, 3087, 3092, 3096, 3099–3100, 3103, 3107, 3109, 3121–3123, 3126, 3131, 3136, 3142, 3147, 3154, 3157, 3161–3162, 3169, 3171–3173, 3177, 3183, 3191, 3196, 3203, 3206, 3208–3209, 3212, 3214, 3222, 3226–3227, 3247, 3254, 3281, 3291–3292, 3305, 3315, 3322, 3324–3326, 3329, 3345–3346, 3351, 3354, 3357, 3362, 3365–3368, 3370, 3372, 3375, 3380, 3399, 3406, 3411, 3414, 3418, 3420, 3427, 3437–3438, 3440–3441, 3451–3452, 3455, 3459, 3462, 3468, 3471, 3475, 3477–3478, 3485, 3487, 3492–3493, 3503–3504, 3507, 3510–3511, 3514–3515, 3519–3520, 3529–3530, 3532–3533, 3539, 3541–3543, 3551, 3556, 3558–3559, 3561–3562, 3568–3569, 3590–3591, 3596, 3609, 3615, 3620, 3622, 3625, 3629–3630, 3632, 3640, 3642–3643, 3645, 3647, 3649, 3669, 3674, 3682, 3692, 3710, 3715–3717, 3722, 3734, 3751, 3753–3754, 3758, 3764, 3777, 3780, 3803, 3805, 3815, 3821, 3830, 3835, 3839, 3844, 3848–3849, 3857, 3860, 3862, 3871, 3876–3877, 3879, 3888–3890, 3893–3894, 3898, 3907, 3909, 3919–3921, 3925–3926, 3935–3937, 3939, 3941, 3945, 3953, 3961, 3966, 3979, 3982, 3988, 3992–3993, 4000, 4002, 4005, 4013, 4015, 4022, 4040, 4042, 4046, 4057–4059, 4064–4065, 4075, 4078, 4085–4086, 4091, 4100, 4102, 4104–4107, 4119, 4126, 4128, 4134, 4140, 4151, 4157, 4160–4163, 4167–4168, 4171, 4173, 4177, 4183, 4189, 4196, 4199, 4206–4207, 4212, 4214, 4217, 4219, 4223, 4231, 4238, 4245, 4248–4250, 4260, 4278–4279, 4286, 4294, 4297, 4301, 4304, 4307, 4315, 4323, 4326, 4328, 4331, 4333, 4336, 4343, 4353, 4358, 4363, 4366, 4375, 4378, 4402, 4408, 4421–4422, 4429, 4433–4434, 4440, 4452–4453, 4462–4463, 4470, 4473, 4475, 4477, 4480, 4483–4484, 4496, 4506, 4511, 4517, 4527–4528

AEDES: 2272

AEQUORIN: 144, 146

AEROBIOSIS: 1718, 2361, 3793, 3954

AEROMONAS: 918

AEROSOL PROPELLANTS: 3830

AEROSOLS: 1324, 1508, 2252, 2561, 2616, 3274, 3734, 3830, 4360, 4390

AET: 1765

AFFECT: 474, 3370

AFFECTIVE DISTURBANCES: 1981, 2720, 2768, 3089, 3884

AFFERENT PATHWAYS: 198, 592, 913, 1249, 1446, 1706, 1807, 4060

AFFINITY LABELS: 1040, 1190

AFLATOXINS: 357, 4179

AGAMMAGLOBULINEMIA: 924, 1415

AGE DETERMINATION BY SKELETON: 345, 756, 2447, 2731, 3014, 3140

AGE DETERMINATION BY TEETH: 2730–2731, 3670

AGE FACTORS: 3, 11–12, 17, 80, 99, 110–111, 131, 149, 162, 172, 278, 288, 294, 389, 391, 417, 500, 512, 586, 624, 641, 701, 711, 758, 788, 812, 912, 934, 976, 1149, 1177, 1277, 1279, 1434, 1579, 1583, 1631, 1753, 1808, 1810, 1815, 1823, 1968, 1981, 2017, 2046, 2057, 2078, 2106, 2158, 2189, 2194, 2266, 2294, 2353, 2366, 2386, 2418, 2525, 2529, 2534, 2537, 2546, 2554, 2582, 2669, 2678, 2709, 2737, 2831, 2879, 2912, 2940–2941, 2978, 2980, 2990, 3017, 3027, 3053, 3062, 3074, 3139, 3176, 3201, 3299–3300, 3331, 3340, 3345, 3354, 3370, 3398, 3427, 3437, 3439, 3503, 3507, 3558, 3590, 3642, 3654, 3746, 3792, 3844, 3961, 3988, 4061, 4086, 4129–4130, 4177, 4188, 4203, 4219, 4267, 4307, 4348–4349, 4483–4484, 4506, 4528

AGED: 20, 28, 33, 44, 55, 80, 124, 128, 134, 138, 148, 199, 202, 211, 217, 242, 274, 306, 329, 355, 361, 371, 375, 378, 417, 426, 435, 440, 474, 483, 524, 530, 545, 553, 576, 579, 630, 653, 661, 663, 665, 701, 732, 740, 769, 779, 798, 810, 813–814, 833, 841, 849, 859–860, 862–863, 867, 927, 929, 937, 954, 961, 973, 981, 988, 991, 996, 1012, 1023, 1025, 1049, 1069–1070, 1076, 1083, 1088, 1098, 1114, 1116, 1124, 1148, 1168, 1183, 1198, 1202, 1222–1223, 1262, 1283, 1290, 1341, 1343, 1346, 1367, 1401, 1434, 1439, 1480, 1488, 1529, 1544, 1548, 1552, 1572, 1583, 1587, 1602, 1610, 1616, 1620, 1631, 1634, 1651–1652, 1697, 1702, 1734–1735, 1739, 1753, 1764, 1781, 1793, 1824, 1828, 1832–1833, 1835, 1839, 1867, 1906, 1908, 1943, 1968, 1973, 1981, 2010, 2016, 2018, 2023, 2033, 2042–2043, 2073, 2089, 2096, 2118, 2138, 2156–2158, 2184, 2243, 2259, 2271, 2301, 2334–2335, 2366, 2370, 2378–2379, 2384, 2407, 2418, 2428, 2433, 2445, 2462, 2490, 2503–2504, 2509–2510, 2532, 2542, 2544, 2548, 2554, 2581–2582, 2596, 2600, 2606, 2638, 2649, 2656, 2659, 2663, 2674, 2678, 2686, 2726, 2752, 2765, 2767, 2779–2780, 2792, 2815, 2822, 2831, 2834, 2856, 2859, 2871, 2876, 2882, 2885, 2901, 2910, 2935, 2944, 2946, 2970, 2992, 3007, 3023,

3053–3054, 3069, 3092, 3101, 3103, 3123, 3147, 3164, 3172, 3214, 3226–3227, 3261, 3277, 3283, 3291, 3318, 3325, 3351, 3395, 3406, 3409, 3416, 3437, 3451, 3462, 3475, 3487, 3493, 3503, 3511, 3529, 3532, 3541, 3546, 3571, 3590, 3620, 3624, 3642, 3647, 3672, 3674, 3682, 3684, 3690, 3692, 3717, 3722, 3742, 3764, 3772, 3777, 3795, 3815, 3826, 3835, 3844, 3857, 3862, 3871, 3921, 3925, 3935, 3940, 3953, 3979, 3982, 3988–3989, 4010, 4012, 4042, 4065, 4069, 4075, 4081, 4107, 4119, 4126, 4151, 4156–4157, 4163, 4173, 4193, 4211, 4219, 4248–4249, 4252, 4278, 4285–4286, 4375, 4402, 4422, 4433, 4446, 4463, 4483, 4487, 4496, 4519, 4525
AGGLUTINATION: 251
AGGLUTININS: 2090, 2135
AGGRESSION: 196, 2028, 2544, 3239
AGING: 44, 84, 312, 423, 452, 493, 579, 667, 758, 820, 828, 838, 841, 1102, 1310, 1364, 1480, 1554, 1764, 1798, 1954, 2032, 2034, 2074, 2104, 2201, 2570, 2638, 2752, 3008, 3199, 3207, 3325, 3330, 3606, 3623, 3691, 3813, 3880, 3925, 4006, 4132, 4357, 4464
AGONISTIC BEHAVIOR: 3239
AGRANULOCYTOSIS: 1343
AIR: 2405, 3830
AIRWAY OBSTRUCTION: 772, 2561, 4507–4508
AIRWAY RESISTANCE: 338, 1506, 2929
ALANINE: 934, 2767, 3228, 3443, 3860
ALANINE AMINOTRANSFERASE: 1091, 1260, 2414, 2956, 2983, 4331
ALBINISM: 1287, 3686
ALBUMINS: 1329, 4341
ALBUMINURIA: 2979
ALBUTEROL: 564, 1010, 2392, 3552, 4226
ALCOHOL DRINKING: 352, 2218, 3095
ALCOHOL, ETHYL: 79, 352, 402, 695, 822, 1201, 1221, 1311, 1637, 2340, 2346, 2368, 2741, 2793, 3256, 3397, 3687, 4121, 4184, 4268, 4336
ALCOHOL OXIDOREDUCTASES: 508, 1658, 2074, 3975
ALCOHOLIC INTOXICATION: 351, 2340
ALCOHOLISM: 793, 886, 903, 1721, 1949, 2232, 2441, 3280, 3687
ALCOHOLS, BUTYL: 3484, 4132
ALDEHYDES: 2704
ALDOSTERONE: 129, 156, 217, 291, 310, 326, 328–329, 350, 413, 581, 620, 683, 751–752, 854, 928, 1060–1061, 1211, 1304, 1307, 1309, 1331, 1471, 1494, 1672, 1739, 1792, 1850, 2005, 2021, 2161–2162, 2193, 2215, 2390, 2452, 2487, 2614, 2764, 2829, 2869, 2871, 3018, 3093, 3130, 3142, 3219, 3405, 3519, 3541, 3562, 3607, 3620, 3642, 3801, 3812, 3879, 3882, 3930, 4030, 4183, 4269, 4275, 4350
ALDOSTERONE ANTAGONISTS: 581
ALGAE, BLUE-GREEN: 3067
ALKALIES: 917, 1026
ALKALINE PHOSPHATASE: 138, 241, 253, 313, 437, 470, 530, 603, 682, 817, 1087, 1148, 1447, 1541, 1605, 1782, 1871, 2203, 2335, 2393, 2451, 2478, 2710, 2891, 3381, 3499–3500, 3837, 4227
ALKALOIDS: 1958, 4069
ALKALOSIS: 2161, 3442
ALKALOSIS, RESPIRATORY: 2115
ALKYL SULFONATES: 94
ALKYLATING AGENTS: 235, 1534, 1835, 1958, 2789, 3248
ALKYLATION: 1182
ALKYNES: 4316
ALLANTOIS: 4061
ALLELES: 614, 1230, 1658, 2382, 2710
ALLERGENS: 307–308, 3305
ALLOSTERIC SITE: 4209
ALLOXAN: 1362, 4270
ALOPECIA: 1227, 1647, 2238, 2912, 4102, 4458
ALPHA 1-ANTITRYPSIN: 772, 2627
ALPHA-AMYLASE: 2170
ALPHA-CHLOROHYDRIN: 1450, 1873
ALPHA FETOPROTEINS: 75, 158, 1328, 1726, 1885, 2157, 2822, 3075, 3392, 3403, 3525, 3951, 4289, 4516, 4534
ALPHA GLOBULINS: 28, 1081, 1856, 2967, 4143, 4310
ALPHA MACROGLOBULINS: 1085
ALPRENOLOL: 580, 729, 1526, 1866, 2100, 2249, 2427, 2888
ALTHESIN: 1079, 1120, 1532, 1551, 1585, 2817, 3156, 3999, 4265
ALTITUDE: 202, 1371, 2913, 2976, 3995, 4350
ALUMINUM: 2008
ALUMINUM OXIDE: 3304
ALVEOLAR PROCESS: 586, 2196, 3354, 4324
ALVEOLITIS, EXTRINSIC ALLERGIC: 307–308
ALVEOLOPLASTY: 3354
AMANITINS: 1238, 2004, 2589
AMBYSTOMA: 3088
AMENORRHEA: 46, 717, 761, 766, 938, 950, 966, 1196, 1503, 1813, 2221, 2274, 2283, 2294, 2308, 2624, 2683, 2806, 2864, 3145, 3169, 3191, 3272, 3360, 3385, 3468, 3515, 3574, 3615, 3803, 3805, 4018, 4083, 4140, 4300, 4328, 4435, 4453, 4473
AMIDES: 61
AMILORIDE: 1613
AMINES: 568, 1216, 1245, 2508, 4179
AMINO ACID METABOLISM, INBORN ERRORS: 3078
AMINO ACID SEQUENCE: 514, 572, 965, 1967, 2318, 2339, 2409, 2733, 2790, 3110, 3115, 3483, 3489, 4383, 4439
AMINO ACIDS: 289, 542, 976, 1035, 1094, 1236, 1273, 1468, 1558, 1631, 1736, 1760, 1789, 1970, 1998, 2170, 2318, 2644, 2881, 2894, 3228, 3436, 3478, 3500, 3639, 3866, 3912, 3941, 4042, 4082, 4144, 4175, 4383
AMINO ACIDS, BRANCHED-CHAIN: 3863
AMINO ACIDS, SULFUR: 2677
AMINO ACYL T RNA SYNTHETASES: 300
AMINO ALCOHOLS: 3419
AMINOACIDURIA, RENAL: 2189, 2619
AMINOBUTYRATE AMINOTRANSFERASE : 4084
6-AMINOCAPROIC ACID: 550, 1546, 2219
AMINOGLUTETHIMIDE: 1059, 1150, 2243, 2505, 4141
AMINOISOBUTYRIC ACID: 1950
AMINOLEVULINIC ACID SYNTHETASE: 802, 4425
6-AMINONICOTINAMIDE: 171, 342, 4446
AMINOOXYACETIC ACID: 4084
AMINOPEPTIDASES: 184, 572, 937
AMINOPHYLLINE: 3132, 3549, 4362, 4384
AMINOPROPIONITRILE: 579, 1963
AMINOPYRINE: 3100, 3908, 4191
AMINOPYRINE N-DEMETHYLASE: 3975
P-AMINOSALICYLIC ACID: 2901
AMINOTRANSFERASES: 767
AMITRIPTYLINE: 267, 714, 1225, 1906
AMITROLE: 1186, 2687
AMMONIA: 289, 405, 1273, 2162, 3184, 3450
AMMONIUM CHLORIDE: 2162
AMMONIUM SULFATE: 689
AMNESIA: 952, 3055
AMNESIA, RETROGRADE: 3055
AMNIOCENTESIS: 429, 2236
AMNION: 1298, 2631, 3538, 3942
AMNIOSCOPY: 3107
AMNIOTIC FLUID: 158, 289, 447, 753, 826, 995, 1328, 1913, 2623, 2634, 2693, 2711, 2727, 3392, 4288–4289
AMOXAPINE: 4429
AMPHETAMINE: 205, 1376, 1633, 1679, 1682, 2101, 2534, 3256, 3470
AMPHETAMINES: 700, 1243, 2535, 2567, 3822
AMPHIBIA: 297, 3522
AMPICILLIN: 2623, 3446, 4443
AMPUTATION: 1697
AMYGDALOID BODY: 771, 1235, 1366, 1479, 1564, 1721, 1917, 2314, 2427, 2819, 3461, 3759, 3790, 3832, 4077, 4169, 4233
AMYL NITRITE: 2313
AMYLASES: 1092, 1797, 1898, 2150, 2170, 3253, 4339
AMYLOID: 1829
AMYLOIDOSIS: 4514
ANABOLIC STEROIDS: 1087, 3280
ANAEROBIOSIS: 2361, 3793, 3954
ANALEPTICS: 952, 1679
ANALGESIA: 292, 1147, 1334, 1338, 1474, 3022, 3821
ANALGESIA, CONGENITAL: 843
ANALGESICS: 292, 467, 1087, 2050, 2153, 3353, 4050, 4393
ANALGESICS, ADDICTIVE: 472
ANALGESICS, ANTI-INFLAMMATORY: 424, 775, 3608, 3773
ANALYSIS OF VARIANCE: 785, 1522, 1810, 3062, 4182
ANAPHYLAXIS: 882, 3999
ANAPLASIA: 1308
ANDROGEN ANTAGONISTS: 235, 511, 1095, 2027, 3533, 4458
ANDROGENS: 23, 51, 294, 465, 545, 789, 920, 1209, 1255, 1279, 1295, 1321, 1422, 1497, 1504, 1606, 1677, 1782, 2008, 2023, 2180, 2184, 2263, 2361, 2460, 2652, 2737, 2853, 2860, 2895, 3147, 3199–3200, 3202, 3282, 3326, 3451, 3531, 3555, 3592, 3612, 3621, 3663, 3682, 3702, 3726, 3974, 3976, 4065, 4083, 4197, 4347, 4356, 4407
ANDROGENS, SYNTHETIC: 73, 511, 2411, 3476, 4368
ANDROSTANEDIOL: 2506, 2540, 2674, 3969, 4142
ANDROSTANES: 2506, 2986, 3130, 3969, 4142
5-ANDROSTENE-3,17-DIOL: 3555
ANDROSTENEDIOLS: 2385, 2674
ANDROSTENEDIONE: 51, 238, 403, 485, 557, 760, 1054, 1058, 1095, 1157, 1164, 1315, 1552, 1940, 2263, 2324, 2490, 2540, 2602, 3013, 3079, 3146, 3368, 3504, 3555, 3663, 3708, 3909, 3976, 4405–4406
ANDROSTENES: 4368
ANDROSTENOLS: 3474, 3593
ANDROSTERONE: 1940, 1999, 2385, 3053, 4002
ANEMIA: 28–29, 133, 603, 1126, 1616, 2013, 2341, 2556, 3531, 4475, 4478
ANEMIA, APLASTIC: 256, 545, 1003, 1255, 1321, 1695, 2909, 4156
ANEMIA, HEMOLYTIC: 288
ANEMIA, HEMOLYTIC, AUTOIMMUNE: 1003, 2357
ANEMIA, HEMOLYTIC, CONGENITAL: 243
ANEMIA, HYPOCHROMIC: 727, 1994, 2238, 2586, 3247, 4475
ANEMIA, MACROCYTIC: 128, 1041
ANEMIA, SICKLE CELL: 206, 560
ANENCEPHALY: 269, 336, 1741, 2415, 3885, 4289, 4403
ANESTHESIA: 1679, 1859, 2095, 2934, 3193, 3508, 4186, 4221
ANESTHESIA, CONDUCTION: 2795
ANESTHESIA, DENTAL: 1147, 1338, 2056, 3051, 3586
ANESTHESIA, EPIDURAL: 1478
ANESTHESIA, GENERAL: 426, 1079, 1120, 1315, 1478, 1483, 3835
ANESTHESIA, INHALATION: 543
ANESTHESIA, INTRATRACHEAL: 2056
ANESTHESIA, INTRAVENOUS: 440, 543, 1079, 1532, 2817, 2885, 3156, 3999
ANESTHESIA, LOCAL: 1171, 1315
ANESTHESIA, OBSTETRICAL: 1478, 2055, 2795, 4166
ANESTHESIA, SPINAL: 1315
ANESTHESIOLOGY: 602
ANESTHETICS: 1551, 3586, 4166
ANESTHETICS, LOCAL: 2257, 3276, 3320
ANESTRUS: 512, 1957
ANEUPLOIDY: 852, 3098
ANGIOGRAPHY: 487, 517, 912, 1634, 1747, 3492, 3764, 3786
ANGIOKERATOMA CORPORIS DIFFUSUM : 2972
ANGIOMATOSIS: 547, 2522, 3889
ANGIONEUROTIC EDEMA: 73, 1546, 2184, 2895, 3082
ANGIOSARCOMA: 33
ANGIOTENSIN I: 1528, 1722, 2314, 2934, 3369, 3794
ANGIOTENSIN II: 129, 216, 254, 326, 350, 413, 461, 499, 876, 928, 1037, 1040, 1181, 1232, 1240, 1358, 1463, 1512, 1528, 1638, 1650, 1773, 2005, 2215, 2313, 2390, 2614, 2647, 2663, 2744, 2869, 3005, 3059, 3073, 3307, 3369, 3508, 3562, 3583, 3625, 3677, 3846, 3871, 3890, 4001, 4075, 4239, 4243, 4520
ANGIOTENSIN III: 2744
ANGIOTENSINASE: 786, 2314
ANGIOTENSINOGEN: 2314
ANGIOTENSINS: 328, 1123, 2314, 2322
ANHYDRIDES: 2679
ANILINE COMPOUNDS: 594, 1555, 4424
ANILINO NAPHTHALENESULFONATES: 1429, 1696, 4093
ANIMAL FEED: 544, 1363, 1569, 1668, 2272, 2444, 2643, 2732, 3330, 3726, 3886, 4436
ANIMAL HUSBANDRY: 3336, 3384

ANIMAL NUTRITION: 166, 763
ANIMALS, DOMESTIC: 196, 706
ANIMALS, LABORATORY: 838, 1269, 2405, 4332
ANIMALS, NEWBORN: 172, 223, 317, 409, 624, 788, 895, 1021, 1169, 1354, 1554, 1580, 1624, 1794, 1808, 1917, 1994, 2051, 2106, 2737, 2771, 2838, 2845, 2980, 3013, 3135, 3201–3202, 3331, 3577, 3720, 3799, 3841, 3947, 4244, 4281, 4374
ANIMALS, SUCKLING: 763, 3331
ANION EXCHANGE RESINS: 4032
ANIONS: 94, 2035, 2147, 2209
ANKLE JOINT: 2839
ANOREXIA: 3168
ANOREXIA NERVOSA: 209–210, 761–762, 2291, 3220, 4232
ANOSMIA: 370, 1681, 2949, 4085
ANOVULATION: 207, 301, 305, 506, 933, 966, 1278, 2112, 2472, 2624, 2845, 3145, 3574, 3907
ANOXEMIA: 2322
ANOXIA: 531, 904, 1118, 1139, 1413, 2092, 2443, 2913, 2961, 3232, 3244, 3383, 3586, 3608, 4364
ANTELOPES: 1036
ANTERIOR CHAMBER: 2058, 4103
ANTHRANILIC ACIDS: 2708
ANTHROPOLOGY, PHYSICAL: 268
ANTHROPOMETRY: 3713
ANTI-ANTIBODIES: 716, 2975
ANTI-ARRHYTHMIA AGENTS: 2907
ANTIBIOTICS: 586, 724, 1200, 1573, 1701, 1819, 2400, 2628, 2781, 2793, 3023, 3353, 3927, 4159, 4293, 4471
ANTIBIOTICS, ANTINEOPLASTIC: 1445, 1534, 1958, 2789
ANTIBODIES: 851, 1098, 1379, 2602, 2676, 2872, 2955, 3091, 3129, 3191, 3648, 3956, 4133, 4178, 4447
ANTIBODIES, BACTERIAL: 3641
ANTIBODIES, FUNGAL: 2517
ANTIBODIES, VIRAL: 3486
ANTIBODY FORMATION: 286, 429, 808, 1379, 1809, 1850, 2290, 2677, 3143, 3263, 3572, 3798, 3814, 3983, 4271, 4389, 4400
ANTIBODY PRODUCING CELLS: 3582
ANTIBODY SPECIFICITY: 412, 998, 2002, 2384, 2499, 3143, 3814, 3948
ANTICHOLESTEREMIC AGENTS: 938, 2450
ANTICOAGULANTS: 9, 277, 2138
ANTICONVULSANTS: 334, 2992, 3223, 3295
ANTIDEPRESSIVE AGENTS: 61, 265, 562, 568, 1094, 2238, 2992, 3256
ANTIDEPRESSIVE AGENTS, TRICYCLIC: 861, 1225, 2248, 2702, 3027
ANTIDOTES: 4194
ANTIGEN–ANTIBODY COMPLEX: 139, 4088, 4291, 4417
ANTIGEN–ANTIBODY REACTIONS: 57, 441, 2357, 3143, 3213, 3289, 3763, 4147
ANTIGENIC DETERMINANTS: 332, 523, 998, 1063, 1080, 3045, 3273, 4144, 4178, 4274, 4321, 4413
ANTIGENS: 506, 525, 1085, 1919, 2399, 2543, 2706, 3045, 3263, 3283, 3912, 3997, 4144, 4170, 4178, 4288, 4475, 4500
ANTIGENS, BACTERIAL: 4144
ANTIGENS, NEOPLASM: 332, 525, 1588, 2967, 3403, 3575, 4413
ANTIGENS, SURFACE: 1464, 1987
ANTIGENS, VIRAL: 4413
ANTIHYPERTENSIVE AGENTS: 1331, 1358, 1481, 2207, 3256, 3508, 4268
ANTI-INFECTIVE AGENTS, LOCAL: 1575
ANTI-INFLAMMATORY AGENTS: 773, 775, 1142, 1277, 1280, 1429, 1437, 1445, 1519, 1986, 2615, 2691, 2793, 2886, 3025, 3313, 3356, 3646, 4201, 4412, 4430
ANTI-INFLAMMATORY AGENTS, TOPICAL: 3552
ANTILIPEMIC AGENTS: 1438, 3883, 4361
ANTILYMPHOCYTE SERUM: 1321, 1801, 2879, 3987, 4418
ANTIMALARIALS: 467, 1445, 3025
ANTIMETABOLITES: 3137, 3216
ANTIMETABOLITES, ANTINEOPLASTIC: 1958, 2789
ANTIMYCIN A: 723
ANTINEMATODAL AGENTS: 339, 3126
ANTINEOPLASTIC AGENTS: 86, 539, 628, 832, 961, 988, 1012, 1144, 1242, 1529, 1534, 1718, 1735, 1828, 1958, 1973, 2023, 2098, 2532, 2605, 2677, 2728, 2783, 2789, 2793, 2825, 2999, 3123, 3133, 3160, 3353, 3363, 3406, 3525, 3599, 3682, 4068, 4251, 4433, 4515
ANTINEOPLASTIC AGENTS, PHYTOGENIC: 1534, 2789
ANTINUCLEAR FACTORS: 139, 731, 979, 1015, 1464, 1513, 1647, 3356, 3932
ANTIOXIDANTS: 2142
ANTIPYRINE: 2510
ANTISEPSIS: 1839
ANTISOCIAL PERSONALITY: 4043
ANTISPERMATOGENIC AGENTS: 235
ANTITOXINS: 1673
ANTITUBERCULAR AGENTS: 1949
ANTS: 3500
ANXIETY: 776, 2254, 3748, 4268
AORTA: 876, 1040, 1117, 1232, 1632, 1787, 1979, 2255, 2450, 2725, 2852, 3058, 3246, 3307, 3990, 3996, 4311
AORTA, ABDOMINAL: 1598, 2830, 3482, 3664, 3832, 4276
AORTA, THORACIC: 1430, 1554, 2579, 4047
AORTIC ANEURYSM: 1194
AORTIC COARCTATION: 3096
AORTIC DISEASES: 1632, 4276
AORTIC VALVE: 440
AORTOGRAPHY: 1634, 2830
APGAR SCORE: 281, 1902, 2391, 3361
APHAKIA, POSTCATARACT: 3007
APHRODISIACS: 3256
APLYSIA: 719
APNEA: 2675
APOLIPOPROTEINS: 4008
APOMORPHINE: 126, 743, 881, 982, 2970, 3175, 3292, 3651, 3884
APOPROTEINS: 1035
APPENDECTOMY: 1001
APPENDICITIS: 987
APPETITE: 240, 1243, 2588
APPETITE DEPRESSANTS: 221, 1633, 3870
APPETITE DISORDERS: 240
APPETITIVE BEHAVIOR: 1727
APUD CELLS: 2226, 2668, 3097
APUDOMA: 1544
APYRASE: 2988
AQUEOUS HUMOR: 2741, 3801
ARACHIDONIC ACIDS: 236, 258, 321, 492, 930, 1134, 1137, 1139, 1286, 1385, 1391, 1428, 1430, 2006, 2067, 2288, 2417, 2476, 2654–2655, 2689, 2777, 2975, 3216, 3254, 3296, 3547, 3668, 4127, 4137, 4293, 4317
ARACHNOID: 2471
ARBOVIRUS INFECTIONS: 1707
ARBOVIRUSES: 1707
ARECOLINE: 551
ARGINASE: 2680
ARGININE: 221, 255, 1612, 2662, 4009, 4017
ARGIPRESSIN: 203, 796, 821, 1218, 1439, 1637, 2063, 2195, 2224, 2340, 2963, 3172, 3387–3388, 4080, 4420
ARM: 174, 3684
AROMATASE: 485, 557
AROUSAL: 381, 789, 1427
ARRHENOBLASTOMA: 124, 1282, 2099, 2706
ARRHYTHMIA: 532, 832, 2907, 3064, 3102, 3243
ARRHYTHMIA, SINUS: 3102
ARSENICALS: 3280
ARTERIAL OCCLUSIVE DISEASES: 4472
ARTERIES: 78, 174, 552, 575, 1192, 1505, 2103, 2596, 2752, 3802, 3913, 3925, 4047
ARTERIOLES: 78, 254
ARTERIOSCLEROSIS: 656, 1192, 1430, 2073, 2103, 2350, 2450, 2752, 3096, 3307, 3556, 3804, 3990, 4305, 4311
ARTERIOVENOUS FISTULA: 4161, 4276
ARTERIOVENOUS MALFORMATIONS: 2471
ARTHRITIS: 1134, 1513, 2194, 3646
ARTHRITIS, ADJUVANT: 4412
ARTHRITIS, JUVENILE RHEUMATOID: 641, 731, 1204, 1277, 1437, 3665, 4220
ARTHRITIS, RHEUMATOID: 467, 731, 775, 1179, 1280, 1445, 1647, 2030, 2238, 2581, 2691, 2807, 3209, 4176, 4417
ARTHROPOD VECTORS: 1707
ARTHROPOD VENOMS: 3500
ARTIFICIAL ORGANS: 938, 2155
ARTIODACTYLA: 1036, 4244
ARYLSULFATASES: 1065, 2069, 2483, 2975
ASCARIASIS: 4465
ASCARIS: 2139, 4465
ASCITES: 204, 555, 595, 1896
ASCITIC FLUID: 1896
ASCORBIC ACID: 155, 689, 2244, 2372
ASCORBIC ACID DEFICIENCY: 199, 2292, 2378
ASEPSIS: 1839
ASPARAGINASE: 1534, 1797
ASPARAGINE: 725
ASPARTATE AMINOTRANSFERASE: 1091, 1260, 2956, 2983, 3979, 4331
ASPARTIC ACID: 3149, 3184
ASPERGILLUS: 2170
ASPERGILLUS NIGER: 2170
ASPERGILLUS ORYZAE: 2170
ASPHYXIA NEONATORUM: 1787
ASPIRIN: 236, 309, 467, 477, 641, 731, 791, 1003, 1204, 1277, 1397, 1445, 1876, 2210, 2288, 2351, 2371, 2580, 2654, 2831, 2886, 3430, 3646, 3923, 4047
ASTHMA: 338, 651, 785, 1028, 1231, 1324, 1381, 1434, 1508, 1964, 2377, 2616, 2944, 3122, 3147, 3227, 3274, 3289, 3734, 3745, 3857, 3875, 3888, 3908, 4350, 4360, 4384, 4390, 4505, 4537
ASTHMA, EXERCISE-INDUCED: 3908
ASTROCYTES: 1577, 2201
ASTROCYTOMA: 44, 100, 1965, 2228, 2471, 2797, 2883, 3315, 3865
ATAXIA: 244, 3561
ATAXIA TELANGIECTASIA: 1210, 3970
ATENOLOL: 1433, 2563
ATHEROMA: 1519
ATHEROSCLEROSIS: 656, 696, 1117, 1192, 1286, 1430, 2103, 2350, 2450, 2579, 3307, 3664, 3804, 3990, 4305
ATMOSPHERIC PRESSURE: 173, 4479
ATROPHY: 44, 627, 1045, 2273, 2531, 2758, 2787, 3354, 4282
ATROPINE: 489, 1215, 1898, 2722, 3048, 3696, 3902
ATTENTION: 4169
ATTITUDE: 762, 1907, 2549
ATTITUDE OF HEALTH PERSONNEL: 1445
ATTITUDE TO HEALTH: 3008, 4528
AUDIOMETRY: 576
AURICULAR FIBRILLATION: 1299
AUSCULTATION: 1411, 3278
AUTOANALYSIS: 817, 3494
AUTOANTIBODIES: 57, 417, 979, 1098, 1464, 1599, 1858, 2135, 2312, 2357, 2384, 3539, 3932, 4422
AUTOBIOGRAPHY: 777–778
AUTOIMMUNE DISEASES: 417, 421, 867, 874, 1858, 2342, 2909, 3539, 3763, 3918
AUTOMATIC DATA PROCESSING: 1601
AUTOMOBILE EXHAUST: 4436
AUTONOMIC DRUGS: 3832
AUTONOMIC NERVE BLOCK: 4004
AUTONOMIC NERVOUS SYSTEM: 513, 757, 1427, 1650, 1853, 1887, 2738, 2792, 3097, 3986, 4103
AUTOPHAGOCYTOSIS: 7
AUTOPSY: 681, 1001, 1753, 3196, 3970
AUTORADIOGRAPHY: 120, 279, 317, 993, 1388, 1601, 2037, 2104, 2438, 2855, 2955, 3151, 3271, 3333, 3658, 4192, 4257, 4386
AUTOSOME ABNORMALITIES: 428, 741, 4085
AVIDIN: 1232, 3557
AVOIDANCE LEARNING: 393, 475, 664, 1013, 1361, 1533, 1727, 2692, 2863, 4153
AXILLA: 1552, 2582, 2990
AXONS: 191, 1443–1444, 1482, 1562, 1576, 1887, 2592, 3080, 3258–3259, 3700
AXOPLASMIC FLOW: 2592
AZACOSTEROL: 3954
AZASTEROIDS: 4123
AZATHIOPRINE: 524, 641, 1019, 1048, 1112, 1367, 1801, 2109, 2205, 2358, 2570, 2695, 2833, 3209, 3246, 3277, 3359, 3395, 3613, 3763, 3965, 3979, 3987, 4042, 4418
AZAURIDINE: 4305
AZIDES: 155, 2145, 3497
AZIRIDINES: 2484
AZO COMPOUNDS: 4179
AZURE STAINS: 2310

B

BABOONS: 1623, 4405
BACILLUS CEREUS: 496
BACILLUS MEGATERIUM: 1644, 3581
BACILLUS STEAROTHERMOPHILUS: 3793
BACITRACIN: 1038
BACKACHE: 2176, 2407
BACTERIA: 586, 807, 1348, 2361, 2591
BACTERIAL INFECTIONS: 6, 586, 3447, 3545, 3586, 3950, 4159, 4210
BACTERIAL PROTEINS: 117, 1565
BACTERIAL TOXINS: 1251, 1673, 3273, 3498, 3896
BACTERIAL VACCINES: 3273
BACTERIOLYSIS: 2196
BACTEROIDES INFECTIONS: 6, 2878
BARBITURATES: 1141, 3051
BARIUM: 448, 1590, 2484, 3048, 3634, 4436
BARLEY: 1426
BARNACLES: 144–146, 410, 3052
BARTTER'S DISEASE: 216, 309, 1097, 1687, 2062, 3442, 4189
BASAL GANGLIA DISEASES: 3561
BASAL METABOLISM: 1380, 1831–1832
BASE SEQUENCE: 2276, 3480, 3491, 4116
BASEMENT MEMBRANE: 2312, 2938, 4493
BASOPHILS: 2704, 3289, 3605, 4426
BCG: 1579, 3573
BCG VACCINE: 1801
BECLOMETHASONE: 1324, 1460, 2616, 2886, 3274, 3734, 3888, 4390, 4505
BED REST: 777–778, 1895, 4023
BEE VENOMS: 496
BEETLES: 2766
BEHAVIOR: 785, 992, 1007, 1390, 1633, 1682, 1768, 2055, 2544
BEHAVIOR, ANIMAL: 90, 184, 196, 227, 588, 726, 830, 881, 1228, 1250, 1357, 1361, 1376, 1474, 1533, 1678, 1776, 2130, 2247, 2352, 2489, 3832, 3847, 4281
BEHCET'S SYNDROME: 1112
BENDROFLUMETHIAZIDE: 260, 4001
BENSERAZIDE: 3292
BENZANTHRACENES: 3828
BENZENE: 2484, 3167
BENZENE DERIVATIVES: 1067
BENZIDINES: 1141
BENZILATES: 2427
BENZODIAZEPINE TRANQUILIZERS: 3229–3230
BENZODIAZEPINONES: 1816, 3003
BENZOFURANS: 3216
BENZOPYRANS: 3787
BENZOPYRENE HYDROXYLASE: 802
BENZOPYRENES: 402, 4362
BENZOQUINOLIZINE: 805
BENZOXAZOLES: 1951
BENZPHETAMINE: 4424
BENZYL COMPOUNDS: 3912
BETA-GALACTOSIDASES: 1492, 1580, 1683, 4087, 4254, 4427
BETA-LACTAMASES: 3550
BETA 2 MICROGLOBULIN: 2979
BETAMETHASONE: 192, 272, 463, 577, 593, 1014, 1142, 1322, 1448, 1702, 1945, 2316, 2351, 2397, 2407, 2615, 2886, 2933, 3152, 3434, 4126, 4301, 4325, 4495
BETAMETHASONE 17-VALERATE: 463, 2886, 3152
BETHANECHOL COMPOUNDS: 1306, 2305
BIBLIOGRAPHY: 1330, 2482, 2521
BICARBONATES: 410, 1189, 1995, 2161–2162, 2189, 3178, 3180, 4099, 4265, 4284
BICUCULLINE: 542
BICUSPID: 4474
BICYCLO COMPOUNDS: 2249, 4372
BILE: 288, 1877, 2296, 3132, 4333, 4401, 4405–4407
BILE ACIDS AND SALTS: 635, 1877, 2495, 3462, 4333
BILE DUCT NEOPLASMS: 4535
BILE DUCTS: 4401
BILIARY TRACT DISEASES: 938
BILIRUBIN: 4166
BINDING, COMPETITIVE: 47, 153, 252–253, 390, 415, 801, 898, 1094, 1119, 1305, 1310, 1389, 1422, 1431, 1545, 1688, 1691, 2002, 2100, 2177, 2344, 2409, 2888, 3090–3091, 3301–3302, 3497, 3549, 3598, 3625, 3776, 3826, 3851, 3974, 4111, 4334
BINDING SITES: 43, 172, 175, 198, 362, 377, 422, 432, 666, 668, 819, 902, 1313, 1323, 1379, 1436, 1465, 1879, 2171, 2488, 2519, 2598, 2639, 2893, 3067, 3081, 3118, 3125, 3151, 3480, 3512, 3538, 3601, 3625, 3661, 3776, 3824, 3872, 3901, 3929, 4308, 4310, 4439
BINDING SITES, ANTIBODY: 139, 1858, 2211, 2423
BIODEGRADATION: 1096
BIOFEEDBACK (PSYCHOLOGY): 2217
BIOGENIC AMINES: 30, 292, 805, 1136, 1250, 1359, 1462, 1887, 2124, 2420, 2498, 2793, 2899, 2940, 3089, 3271, 3445, 3614, 4024
BIOLOGICAL ASSAY: 184, 370, 390, 598, 786, 964, 1033, 1088, 1159, 1236, 1736, 1785, 1848, 1904, 1939, 2083, 2268, 2369, 2380, 2476, 2641, 2655, 2697, 2756, 2950, 3218, 3629, 3858, 3962, 4303
BIOLOGICAL AVAILABILITY: 1258, 1905, 2277, 3746
BIOLOGICAL CLOCKS: 353, 367, 382, 1669, 3207
BIOLOGICAL TRANSPORT: 144–145, 169, 528, 535–537, 713, 728, 848, 1205, 1498, 1518, 1545, 1590, 1613, 1713, 1737, 1847, 1995, 2628, 2644, 2821, 2936, 3047, 3065, 3180, 3258, 3355, 3810, 3824, 4061, 4098–4099, 4110, 4298
BIOLOGICAL TRANSPORT, ACTIVE: 34, 42, 58, 312, 410, 647, 1109, 1289, 1359, 1462, 1512, 1584, 1689, 1950, 2518, 2644, 2741, 2801, 3042, 3046, 3125, 3253, 3737, 3789, 3873, 3891, 3996, 4093, 4172, 4241, 4335, 4342, 4351, 4468
BIOMECHANICS: 579, 702, 944, 1697
BIOMETRY: 268, 1371, 1535
BIOPHYSICS: 2241
BIOPSY: 242, 529, 660, 1148, 1173, 1459, 1517, 1527, 1750, 1982, 2089, 2131, 2312, 2905, 3006, 3131, 3183, 3282, 3300, 3468, 3894, 4058–4059, 4160, 4287, 4331, 4484, 4511, 4527, 4535
BIOPSY, NEEDLE: 466, 1070, 2416, 3212, 3723
BIOPTERIN: 3614
BIOTRANSFORMATION: 17, 1905, 2143, 2986, 3707, 4194
BIPHENYL COMPOUNDS: 1863, 1915
BIRDS: 423, 4026
BIRTH ORDER: 1994
BIRTH RATE: 3449
BIRTH WEIGHT: 29, 149–150, 192, 281, 1404, 1786, 1913, 2736, 2977, 3036, 3449, 3595, 3756, 3995, 4007
BLACKS: 3440–3441, 3551
BLADDER: 563, 642, 821, 1307, 2597, 4054, 4443
BLADDER CALCULI: 4023
BLADDER DISEASES: 887, 4443
BLADDER EXSTROPHY: 3208
BLADDER NEOPLASMS: 75, 623, 1194, 2597, 3248
BLADDER, NEUROGENIC: 3208
BLASTOCYST: 613, 706, 1044, 1423, 2735, 4258
BLEOMYCIN: 628, 1417, 2117, 3365, 3513, 3751
BLEPHAROPTOSIS: 3477
BLINDNESS: 370, 534, 1589, 2531
BLISTER: 2212, 3134
BLOOD: 1436, 2085, 2272, 2328, 2902, 4130, 4258
BLOOD-BRAIN BARRIER: 253, 1031, 1240, 1701, 2688, 2837, 3450, 3498
BLOOD CELL COUNT: 327, 482, 634, 988, 2399, 2831, 3551, 4380
BLOOD CELLS: 988
BLOOD CIRCULATION: 913, 1091, 2722, 4034, 4060
BLOOD COAGULATION: 25, 713, 1286–1287, 1513, 2154, 2537, 2671, 3556, 3732, 3893
BLOOD COAGULATION DISORDERS: 104, 2442, 4518
BLOOD COAGULATION FACTORS: 693, 2399, 4246
BLOOD COAGULATION TESTS: 693, 713, 1551, 2399, 2537
BLOOD FLOW VELOCITY: 1602, 3286
BLOOD GROUPS: 787, 1251, 4062
BLOOD PLATELET DISORDERS: 1287, 2399, 3254
BLOOD PLATELETS: 25, 40, 92, 106, 113, 314, 422, 492, 634, 661, 696, 713, 722–724, 805, 839, 858, 905, 971, 988, 1192, 1242, 1286–1287, 1359, 1391, 1430, 1490, 1519, 1539, 1550, 1649, 1833, 2288, 2417, 2476, 2734, 2831, 2947–2948, 2974, 2988, 3043, 3089, 3254, 3296, 3366, 3430, 3498, 3510, 3604–3605, 3668, 3689, 3732, 3923, 4078, 4110, 4174, 4246, 4263, 4293, 4317, 4380, 4417
BLOOD PRESSURE: 9, 129, 134, 156, 203, 254, 291, 326, 328, 362, 480, 517, 581, 683, 703, 714, 737, 752, 786, 1055, 1091–1092, 1118, 1172, 1234, 1312, 1358, 1374, 1413, 1526, 1528, 1807, 1859, 1921, 1998, 2005, 2085, 2215–2216, 2224, 2392, 2614, 2626, 2663, 2725, 2744, 2777, 2792, 2829–2830, 2869, 2934, 2950, 3005, 3029, 3059, 3093, 3096, 3219, 3233, 3255, 3281, 3317, 3387, 3508, 3519, 3521, 3551, 3578, 3628, 3677, 3832, 3846, 3871, 3877, 3893, 3895, 3902, 3982, 3988, 4034, 4054, 4075, 4162, 4238–4239, 4265, 4311, 4481, 4520
BLOOD PROTEINS: 47, 132, 254, 382, 456, 727, 749, 1339, 1387, 1406, 1625, 1881, 1920, 3027, 3425, 3632, 3858, 4072, 4310, 4387, 4447, 4471, 4478
BLOOD SEDIMENTATION: 28, 2808
BLOOD SPECIMEN COLLECTION: 371, 565, 812, 910, 997, 1024, 1379, 1522, 2568, 2664
BLOOD SUGAR: 55, 100, 171, 362, 440, 540, 800, 934, 1106, 1161, 1177, 1260, 1309, 1312, 1357, 1362, 1483, 1537, 1558, 1623, 1633, 1698–1699, 1716, 1775, 1807, 1936, 2013, 2047, 2350, 2381, 2386, 2392, 2485, 2494, 2767, 2979, 2983, 3015, 3127, 3194, 3222, 3310, 3419, 3443, 3450, 3462, 3471, 3519, 3573, 3643, 3715, 3766, 3775, 3860, 3920, 3984, 4082, 4125, 4314, 4357, 4421, 4428, 4434
BLOOD-TESTIS BARRIER: 57
BLOOD TRANSFUSION: 1003, 1833, 2399, 2695
BLOOD UREA NITROGEN: 555, 634, 2033, 2590, 2656, 3519, 3975, 4311
BLOOD VESSELS: 79, 964, 1099, 1554, 2207, 2442, 2923, 3125, 3693, 3733, 3779, 4369
BLOOD VOLUME: 1511, 1998, 2792, 3586, 3607, 3846
BLOODLETTING: 2722
BODY BURDEN: 2353, 2978
BODY COMPOSITION: 71, 388, 1955, 3713, 4175
BODY FLUID COMPARTMENTS: 2328, 2530
BODY FLUIDS: 166, 324, 1080, 1378, 2328, 2530, 3178, 3319, 3859, 4038, 4099, 4229
BODY HEIGHT: 71, 131, 149–150, 281, 345, 446, 705, 756, 1041, 1253, 1324, 1913, 2731, 2807, 3035, 3139–3140, 3405, 3887, 4104–4105, 4163, 4203, 4444, 4532
BODY TEMPERATURE: 240, 777–778, 783, 1234, 1354, 1526, 1619, 1669–1670, 1678, 2349, 2371, 2437, 2613, 3131, 3182, 3198, 3255, 3322, 3530, 3675, 3893, 3937
BODY TEMPERATURE REGULATION: 200, 743, 1007, 1330, 1637, 2168, 2332, 2613, 2738, 3182, 3686, 4410
BODY WATER: 2328, 2477, 3052
BODY WEIGHT: 149, 221, 227, 240, 291, 310, 312, 323, 444, 446, 470, 544, 607, 736–737, 761–762, 788, 819, 934, 1186, 1269, 1324, 1327, 1330, 1362, 1371–1372, 1526, 1535, 1616, 1633, 1640, 1664, 1808, 1845, 1942, 1955, 1994, 2032, 2168, 2260, 2291, 2389, 2531, 2570, 2667, 2683, 2736, 2871, 2889, 2980, 3035, 3044, 3047, 3088, 3135, 3140, 3194, 3219–3220, 3241, 3261, 3295, 3299, 3344, 3386, 3436, 3462, 3476, 3503, 3505, 3521, 3603, 3697, 3701, 3713, 3746–3747, 3794, 3844, 3870, 3904, 3924, 3959–3960, 3962, 3972, 3982, 4123, 4125, 4129, 4203, 4232, 4282, 4311, 4357, 4432, 4481, 4531
BOMBESIN: 3097
BONE AND BONES: 27, 45, 49, 59, 71, 147, 160, 206, 242, 268, 275, 293, 313, 407, 419, 470, 478, 529–530, 560, 579, 627, 634, 637, 647, 658, 662, 672, 691, 702, 742, 790, 815–817, 907, 944, 948, 955, 972–973, 1026, 1087, 1096, 1099, 1111, 1121, 1126, 1143, 1148, 1173, 1217, 1241, 1269–1270, 1274, 1319, 1335, 1356, 1383, 1388, 1432, 1457, 1472, 1510, 1541, 1547, 1557, 1656, 1667–1668, 1697, 1705, 1731, 1737, 1753, 1769, 1780, 1865, 1871, 1893, 1927–1928, 1968, 2001, 2004, 2019, 2077, 2140, 2208, 2276, 2284, 2328, 2347, 2353, 2363, 2380, 2433, 2459, 2462, 2464, 2491, 2511, 2530, 2547–2548, 2554, 2564, 2589, 2595, 2604, 2617, 2671, 2684, 2701, 2732, 2742, 2756, 2761, 2827, 2839, 2843, 2910, 2919–2920, 2942, 2978, 2984, 2993, 2995, 3014, 3031, 3083, 3092, 3161, 3210, 3245, 3268, 3285, 3297, 3300, 3309, 3333, 3354, 3375, 3389, 3416, 3502, 3511, 3531–3532,

3569, 3619, 3627, 3684–3685, 3698, 3712–3713, 3730, 3782, 3825, 3837, 3917, 4034, 4150, 4159, 4167, 4171, 4176, 4192, 4211, 4253, 4374, 4402, 4436, 4535
BONE CEMENTS: 692, 1111, 2761, 3285
BONE DEVELOPMENT: 627, 1160, 1541, 1697, 1769, 1954, 2459, 2731, 3394, 3747, 4266
BONE DISEASES: 529, 560, 637, 1432, 2014, 2564, 3328, 3532, 3569, 4385
BONE DISEASES, DEVELOPMENTAL: 50, 419, 1827, 2094
BONE LENGTHENING: 2595
BONE MARROW: 23, 27, 286, 327, 545, 873, 961, 1012, 1287, 1321, 1529, 1705, 1732, 1835, 1886, 2547–2548, 2604, 2728, 3829, 4112, 4475
BONE MARROW DISEASES: 634, 3531
BONE MARROW EXAMINATION: 634, 1510
BONE MATRIX: 313, 944, 1148, 2617, 3463, 3481
BONE NEOPLASMS: 955, 2347, 2657, 2715, 2827, 2989, 3161, 3226, 3520, 3684, 4193, 4402
BONE REGENERATION: 944, 2595
BONE RESORPTION: 436, 1005, 1020, 1241, 1383, 1769, 2001, 2004, 2196, 2284, 2380, 2589, 2715, 2920, 3394, 3532, 3646, 3796, 3825, 3858, 4324, 4431
BRADYCARDIA: 3102
BRADYKININ: 764, 1506–1507, 1921, 2197, 2928, 2976, 3626, 3667, 3752, 3794
BRAIN: 16, 22, 60–61, 171, 184, 206, 215, 292, 333–334, 348, 356, 380–381, 431, 542–543, 562–563, 678, 700, 729, 774, 830, 842, 919–920, 958, 966, 976, 983, 1013, 1037, 1094, 1102, 1120, 1147, 1169, 1214, 1225, 1240, 1243, 1250, 1292, 1332, 1354, 1376, 1387, 1390, 1570–1571, 1633, 1678, 1682, 1701, 1721, 1776, 1788, 1791, 1880, 1912, 1933, 1938, 2047, 2092, 2128, 2134, 2153, 2207, 2217, 2245, 2247–2248, 2273, 2282, 2292, 2295, 2314, 2352, 2370, 2442, 2456, 2471, 2508, 2585, 2607, 2635, 2702, 2720, 2723, 2749, 2770, 2787, 2894, 2899, 2916, 2966, 2973, 2980, 3005, 3039, 3097, 3170, 3184, 3189, 3228–3230, 3292, 3301, 3303, 3450, 3470, 3483, 3501, 3577, 3583, 3614, 3623, 3651, 3670, 3677, 3700, 3747, 3773, 3822, 3870, 3885, 3895, 3968, 4006, 4024, 4028, 4082, 4115, 4131, 4139, 4186, 4196, 4229, 4247, 4257, 4267, 4281, 4388, 4398, 4460
BRAIN ABSCESS: 2471
BRAIN CHEMISTRY: 82, 109, 205, 726, 774, 822, 952, 1216, 1228, 1292, 1722, 1768, 1816, 1837, 2332, 2420, 2607, 2650–2651, 2720, 2768, 2863, 2899, 2961, 3230, 3271, 3303, 3428, 3686, 4024, 4028, 4053, 4084, 4100
BRAIN DISEASES: 230, 979, 1442, 1476, 1486, 1779, 1938, 2188, 2273, 2470–2471, 3561
BRAIN DISEASES, METABOLIC: 893
BRAIN EDEMA: 44, 1031, 1701, 2650–2651, 4460
BRAIN INJURIES, ACUTE: 1128, 1605, 2650–2651, 2913, 4161
BRAIN MAPPING: 21, 985, 1292, 1334, 1366, 1474, 1984, 2134, 2314, 2647, 2973, 3349, 3448, 3759
BRAIN NEOPLASMS: 44, 80, 100, 214, 406, 863, 914, 946, 1720, 1788, 1965, 2228, 2470–2471, 2819, 2836–2837, 2883, 3006, 3214, 3315, 3758, 3952, 4064, 4237, 4255
BRAIN STEM: 205, 563, 1149, 1351, 1706, 1774, 2228, 2744, 2966, 2973, 3113, 4084, 4255
BRASSICA: 1363
BREAST: 484, 486, 1804, 2266, 2424, 3004, 3045, 3466, 3945, 4413, 4435, 4523
BREAST DISEASES: 48, 1327, 2463, 2648, 3004, 3045, 3053, 3590, 4511
BREAST FEEDING: 352, 1395, 1813, 3038, 3109, 3404, 3427, 3849, 4166, 4213, 4409
BREAST NEOPLASMS: 8, 20, 52, 74, 119, 151, 355, 490, 670, 688, 1116, 1150, 1504, 1620, 1652, 1709, 1804, 1828, 1833, 1922, 1947–1948, 1973, 1981, 1993, 1999, 2135, 2243, 2266, 2344, 2411, 2418, 2532, 2538, 2582, 2648, 2724, 2728, 2827, 2981, 2989–2990, 2999, 3004, 3045, 3053, 3092, 3103, 3133, 3148, 3226, 3237, 3248, 3306, 3408, 3598, 3682, 3721, 3897, 3945, 4025, 4138, 4150, 4214, 4227, 4251, 4368, 4413, 4437, 4466, 4511, 4515, 4523
BREATH TESTS: 3830
BREEDING: 166, 512, 1247, 2957, 3384, 3823
BRIDGED COMPOUNDS: 4372
BROMAZEPAM: 3230
BROMIDES: 349, 1486, 3912
BROMOBENZENES: 319
BROMODEOXYURIDINE: 648, 827, 3217
2-BROMOERGOCRYPTINE: 228, 685, 714, 766, 854, 864, 938, 1057, 1152, 1196, 1301, 1364, 1783, 1971, 2221, 2424, 2440, 2463, 2665, 3000, 3012, 3249, 3286, 3292, 3530, 3574, 4440, 4453
2-BROMOLYSERGIC ACID DIETHYLAMIDE: 1390, 2841
BRONCHI: 559, 1506
BRONCHIAL NEOPLASMS: 77, 3016, 3391
BRONCHIAL SPASM: 338, 651, 882, 1124
BRONCHIECTASIS: 4496
BRONCHITIS: 2377, 2616, 3624, 4360
BRONCHODILATOR AGENTS: 651, 1010, 1028, 1124, 1381, 3888
BRONCHOGRAPHY: 1956
BRONCHOSCOPY: 1011
BROWN FAT: 1330, 1526
BUFFALOES: 4114
BUFFERS: 2162, 3564, 4047, 4299
BUFO ARENARUM: 2270
BUFO MARINUS: 821
BULBOURETHRAL GLANDS: 1664
BUMETANIDE: 3180
BUPRANOLOL: 1553
BUPRENORPHINE: 472
BURKITT'S LYMPHOMA: 955, 1436
BURNS: 327, 875, 1593, 2115, 2349, 3740
BURNS, CHEMICAL: 917
BURSA OF FABRICIUS: 2090
BUSULFAN: 3155, 4145
BUTTOCKS: 4126
BUTYRATES: 648, 3450, 4033
BUTYROPHENONE TRANQUILIZERS: 2948

C

C-PEPTIDE: 591, 2392, 3920
CACHEXIA: 2673
CADMIUM: 1372, 2068, 2085, 2824, 4436
CADMIUM POISONING: 450, 3416
CAERULEIN: 1142, 1256, 1898, 3302, 4339
CAFFEINE: 528, 611, 848, 3366, 3431, 3655, 4282, 4448
CALCIFICATION, PHYSIOLOGIC: 357, 407, 1035, 1795, 3245, 3394, 3463, 3481, 4261
CALCINOSIS: 44–45, 59, 105, 191, 688, 946, 1261, 1632, 1830, 1867, 1944, 2705, 2752, 3561, 3657, 4167, 4171
CALCITONIN: 141, 224, 337, 490, 567, 569, 591, 798, 1148, 1325, 1525, 1854, 1934, 2338, 2530, 2684, 2785, 2995, 3026, 3114, 3186, 3225–3226, 3394, 3610, 4294, 4336, 4420, 4472
CALCIUM: 25, 34, 36, 42, 58, 76, 79, 84, 105, 135, 138, 140–141, 144–146, 160, 175, 186–187, 191, 224, 233, 262, 283, 287, 348, 351, 363, 366, 388, 397, 407, 435–436, 448, 470, 481, 488, 518, 528, 530, 532, 535–537, 546, 603, 621, 624, 627, 629, 636, 647, 682, 723, 728, 749, 784, 798, 805, 823, 848, 856, 894, 897, 901–902, 915, 922, 939, 943, 951, 970, 974, 1017, 1035, 1064, 1068, 1087–1088, 1127, 1158, 1160, 1187, 1202, 1205, 1207, 1222, 1233, 1241, 1286, 1289, 1340, 1399, 1424, 1436, 1470, 1472, 1486, 1512, 1525, 1531, 1547, 1559, 1569, 1576, 1583–1584, 1590, 1592, 1603, 1605, 1629, 1632, 1644, 1656, 1667, 1680, 1689–1690, 1710–1711, 1713, 1715, 1718–1719, 1737, 1744, 1746, 1748, 1750, 1754, 1758, 1769, 1879, 1892–1895, 1897, 1924–1925, 1934–1935, 1944, 1995, 1997, 2001, 2008, 2031, 2042–2043, 2062, 2068, 2071, 2077, 2103, 2115, 2159, 2162, 2170, 2203–2204, 2208–2209, 2225, 2259–2260, 2284, 2300, 2330, 2334–2336, 2338, 2363, 2365, 2367, 2376, 2393, 2400, 2423, 2432, 2457, 2464, 2494, 2511, 2518, 2530, 2556, 2596, 2600, 2628, 2639, 2666, 2684–2685, 2701, 2715, 2725, 2739, 2742, 2749, 2756, 2758, 2779, 2781, 2785, 2801–2802, 2814, 2824, 2828, 2835, 2843, 2873, 2892–2893, 2904, 2915, 2919, 2969, 2978, 3003, 3005, 3041, 3046–3047, 3067–3069, 3077, 3102, 3114, 3125, 3161, 3174, 3178–3179, 3181, 3184, 3189–3190, 3198, 3210, 3222, 3243, 3253, 3258–3259, 3283, 3293–3294, 3296–3297, 3302, 3354–3355, 3375, 3383, 3394, 3397, 3453, 3456, 3478, 3512, 3518, 3524, 3570, 3601, 3609–3610, 3616, 3627, 3634, 3712, 3718, 3732, 3737, 3742, 3753, 3761, 3777, 3780, 3789, 3793, 3796, 3806, 3810, 3837, 3863, 3867–3868, 3871, 3873, 3881, 3886, 3891, 3900, 3911, 3927, 3944, 3950, 3990, 3996, 4004, 4037, 4044, 4046, 4061, 4093, 4098, 4139, 4154–4155, 4167, 4172, 4240–4241, 4261, 4263, 4270, 4317, 4334–4336, 4339, 4341–4342, 4351, 4364, 4374, 4401, 4442, 4457, 4468, 4519, 4531
CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT: 2474, 3046, 4261
CALCIUM CHLORIDE: 939, 1383, 3046, 3634
CALCIUM-DEPENDENT REGULATOR: 518, 4139, 4164
CALCIUM, DIETARY: 366, 436, 1424, 2824, 4155, 4324, 4531
CALCIUM DOBESILATE: 1903
CALCIUM GLUCONATE: 1486, 4294
CALCIUM METABOLISM DISORDERS: 1207, 2642, 2779, 3125
CALCIUM PHOSPHATES: 1096, 2942
CALCIUM PYROPHOSPHATE: 2600
CALCIUM RADIOISOTOPES: 84, 823, 1399, 2042, 3046
CALLUS: 672, 702
CALORIC INTAKE: 179, 276, 1140, 1942, 2235, 3280
CALUSTERONE: 1781
CAMELS: 4392
CANCER CARE FACILITIES: 1543
CANDIDA ALBICANS: 1295, 2517
CANNABIS: 1171, 2575, 3256, 4268
CANRENOATE POTASSIUM: 1613, 1905
CAPILLARIES: 254, 713, 855, 1188, 1649, 1756, 1787, 2931, 2938, 2976, 3371, 3812, 3925, 4095
CAPILLARY PERMEABILITY: 713, 2734, 2976, 3034, 3626, 4095, 4412
CAPROATES: 94
CAPSULES: 738, 767, 883, 1514, 2762
CARBACHOL: 99, 233, 551, 786, 1229, 1507, 1898, 2319, 3253, 3276, 3589, 4242
CARBAMATES: 2680
CARBAMYL PHOSPHATE SYNTHASE (AMMONIA): 2680
CARBAZOLES: 1628
CARBIMAZOLE: 996, 3241
CARBOCYANINES: 4093
CARBOHYDRATE ISOMERASES: 1692, 3081
CARBOHYDRATE METABOLISM, INBORN ERRORS: 2189
CARBOHYDRATES: 178, 456, 1217, 1450, 1549, 1558, 1631, 1760, 2494, 2670, 3334, 3392, 3775, 3799, 3903, 3938, 4470
CARBOLINES: 40
CARBON: 2617, 2840
CARBON DIOXIDE: 672, 1120, 1203, 1585, 2047, 2162, 2700, 3055, 3835, 3863, 4099, 4265
CARBON ISOTOPES: 379
CARBON MONOXIDE: 109
CARBON RADIOISOTOPES: 722, 2264, 4079, 4327
CARBON TETRACHLORIDE: 1100
CARBON TETRACHLORIDE POISONING: 2143
CARBONATES: 1091, 3645
CARBONIC ANHYDRASE: 2060, 4061
CARBONIC ANHYDRASE INHIBITORS: 1171, 4061
CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE: 3042, 3793
CARBONYL CYANIDE P-TRIFLUOROMETHOXYPHENYLHYDR: 2801
CARBOXY-LYASES: 562, 725, 1983, 2523, 3270, 3968
1-CARBOXYGLUTAMIC ACID: 1547
CARBOXYLIC ACIDS: 94, 284, 1062
CARBOXYPEPTIDASES: 572, 3115
CARCINOEMBRYONIC ANTIGEN: 1336, 1726, 1782, 2451, 3403, 3575, 4025, 4149, 4227, 4294, 4534
CARCINOGENS: 17, 611, 673, 802, 804, 1182, 1504, 2591, 4179–4180, 4428
CARCINOID TUMOR: 1083, 1793, 2157, 3757
CARCINOMA: 75, 466, 704, 946, 1030, 1610, 1793, 1828–1829, 1860, 1908, 2301, 2338, 2713, 2985, 2998, 3467, 3475, 3496, 4057, 4183, 4223, 4294
CARCINOMA 256, WALKER: 2920
CARCINOMA, BASAL CELL: 2674
CARCINOMA, BRONCHOGENIC: 2698, 3016, 3328, 4033
CARCINOMA, DUCTAL: 2243
CARCINOMA, EPIDERMOID: 623, 630, 1234,

1829, 4420
CARCINOMA IN SITU: 2451, 2833
CARCINOMA, KREBS 2: 640
CARCINOMA, MUCINOUS: 2582
CARCINOMA, OAT CELL: 1011, 2698, 2910, 4420
CARCINOMA, PAPILLARY: 66, 189, 320, 406, 466, 1030, 1610, 1824, 1829, 1860, 2113, 2166, 2582, 3367, 3467, 3475, 3649, 3749, 4223
CARDIAC GLYCOSIDES: 624
CARDIAC OUTPUT: 1092, 1420, 2663, 2792, 3731, 4075
CARDIAC PACING, ARTIFICIAL: 636, 1742
CARDIAC VOLUME: 4357
CARDIOLIPINS: 2082
CARDIOMYOPATHY, ALCOHOLIC: 351
CARDIOPULMONARY BYPASS: 440, 2376
CARDIOVASCULAR DISEASES: 229, 340, 3328, 4323, 4459
CARDIOVASCULAR SYSTEM: 773, 913, 981, 1007, 1526, 2130, 3586, 3636, 4060
CARIBOU: 811
CARMUSTINE: 961, 1735, 3214, 4237, 4255
CARNIVORA: 1589, 4244
CAROTENE: 83
CAROTID SINUS: 891
CARP: 2475, 2738
CARPAL TUNNEL SYNDROME: 502, 2850, 3511
CARRIER PROTEINS: 47, 287, 509, 518, 727, 915, 974, 1158, 1190, 1230, 1490, 1547, 1559, 1596, 1709, 1856, 2066, 2474, 2481, 2756, 3046, 3104, 3776, 3807, 4089, 4139, 4261, 4392
CARTILAGE: 503, 691, 1241, 1795, 1920, 1939, 1954, 1963, 2942, 3077, 3394, 3408, 4130
CARTILAGE, ARTICULAR: 1111, 1963, 2397, 2459, 2617, 3358, 4176
CASEIN: 1726, 1918, 3922
CASTOR OIL: 3999
CASTRATION: 8, 72, 114, 120, 194, 215, 238, 283, 301, 360, 367, 369, 403, 409, 464–465, 470, 504, 548–549, 590, 670, 697, 900, 916, 1021, 1029, 1044, 1050, 1069, 1110, 1146, 1181, 1201, 1224, 1247, 1257, 1301, 1306, 1347, 1386, 1422, 1496, 1520, 1540, 1632, 1648, 1692, 1798, 1862, 1882, 1922, 1941, 1955, 2051, 2100, 2116, 2178, 2233, 2256, 2369, 2456, 2490, 2493, 2496, 2506, 2532, 2612, 2664, 2735, 2745, 2794, 2825, 2987, 2999, 3013, 3044, 3056, 3074, 3103, 3138, 3202, 3265, 3306, 3402, 3466, 3482, 3487, 3490, 3514, 3548, 3571, 3576, 3612, 3688, 3722, 3738, 3838, 3859, 3969, 3985, 3994, 4074, 4096, 4143, 4185, 4187, 4283, 4347, 4349, 4432, 4455
CAT DISEASES: 1126
CATALASE: 3856, 4137
CATALEPSY: 1250
CATALYSIS: 53
CATARACT: 435, 1401, 1437
CATARACT EXTRACTION: 3112, 3739, 4010
CATECHOL METHYLTRANSFERASE: 215, 1082
CATECHOLAMINES: 55, 61, 174, 187, 265, 292, 356, 381, 513, 542–543, 599, 650, 832, 976, 1082, 1146, 1163, 1174, 1224, 1243, 1273, 1306, 1377, 1558, 1593, 1598, 1629, 1837, 2005, 2056, 2141, 2164, 2207, 2292, 2562, 2565, 2670, 2727, 2739, 2746, 2766, 2768, 2773, 2863, 2885, 2907, 2973, 3037, 3089, 3102, 3229, 3340, 3399, 3465, 3492, 3578, 3695, 3800, 3835, 4024, 4043, 4239, 4434
CATECHOLS: 2726
CATHARTICS: 1701
CATHETERIZATION: 224, 1349, 1420, 2568, 3957, 4081
CATIONS: 2209, 4359
CATIONS, DIVALENT: 1245, 1377, 1491, 1531, 1689, 1719, 2001, 2423, 2893, 3296, 3301, 3950, 4347
CATIONS, MONOVALENT: 3301
CATS: 35, 363, 408, 550, 578, 588, 599, 677, 710, 815–816, 921, 982, 984–985, 1017, 1126, 1248, 1258, 1482, 1505, 1512, 1570–1571, 1601, 1706, 1807, 2124, 2281, 2559, 2670, 2746, 2899, 2963, 2975, 3184, 3228, 3233, 3252, 3303, 3349, 3415, 3448, 3461, 3608, 3628, 3704, 3731, 3767, 3832, 4024, 4077, 4127, 4154, 4332, 4381, 4393
CATTLE: 53, 99, 166, 187, 238, 255, 347, 379, 395, 423, 449, 484, 496, 498, 500, 512, 541, 544, 572, 579, 626, 706, 787, 806, 877–878, 915, 935, 964, 1089, 1153, 1190, 1193, 1230, 1323, 1326, 1377, 1382, 1394, 1429, 1489, 1574, 1577, 1581, 1639, 1641, 1646, 1668, 1698, 1780, 1819, 1845, 1848–1849, 1858, 1864, 1876, 2064, 2071, 2074, 2253, 2261, 2296, 2453, 2459, 2467–2468, 2497, 2654, 2739, 2757, 2820, 2900, 2953, 2965, 2975, 3066, 3072, 3194, 3204, 3228, 3284, 3309, 3319, 3330, 3335–3336, 3396, 3472, 3524, 3535, 3588, 3601, 3618, 3646, 3698, 3743, 3801, 3841, 3912, 3963, 3985, 4011, 4124, 4139, 4213, 4263, 4277, 4336, 4364, 4374, 4383, 4416
CATTLE DISEASES: 166, 500, 1845, 2497, 2965, 3284, 3335–3336
CAUCASOID RACE: 711, 2710, 2977, 4173
CAUDATE NUCLEUS: 92, 1224, 1533, 1577, 4388
CECAL DISEASES: 1300
CECUM: 3046–3047
CELIAC ARTERY: 236
CELIAC PLEXUS: 32
CELL ADHESION: 3313, 3933
CELL AGGREGATION: 2419, 3779
CELL COMMUNICATION: 479, 659, 3111
CELL COUNT: 846, 1342, 1412, 2079, 3326, 4104
CELL CYCLE: 445, 1368, 1925, 2582, 2902
CELL DIFFERENTIATION: 54, 103, 130, 364, 383, 503, 770, 992, 1070, 1078, 1192, 1251, 1385, 1435, 1735, 1766, 1795, 1954, 2150, 2354, 2388, 2737, 2759, 2891, 3088, 3192, 3272, 3714, 3720, 3968, 4036, 4211, 4222, 4281, 4454
CELL DIVISION: 317, 445, 527, 611, 678, 802–804, 971, 1435, 1718, 1920, 1954, 2344, 2388, 2513, 3020, 3033, 3111, 3152, 3458, 3727, 3797, 3829, 4112, 4124, 4386, 4415
CELL EXTRACTS: 2734
CELL FRACTIONATION: 557, 892, 1468, 1584, 2061, 2309, 2518, 3181
CELL-FREE SYSTEM: 459, 657, 729, 888, 917, 1134, 2269, 2339, 2498, 3170, 3260, 3453, 4164
CELL FUSION: 1465, 2426, 3190
CELL LINE: 7, 123, 233, 261, 266, 280, 295, 358, 377, 492, 518, 659, 669, 827, 918, 971, 1176, 1291, 1435–1436, 1462, 1545, 1579, 1595, 1635, 1688, 1836, 1846, 1950, 2227, 2303, 2344, 2408, 2410, 2513, 2713, 2753, 2797, 2805, 2920, 2967, 3068, 3260, 3350, 3497, 3540, 3865, 3896, 4033, 4116, 4303, 4413
CELL MEMBRANE: 92, 94, 201, 234, 358, 432, 606, 696, 821, 1061, 1305, 1323, 1359, 1401, 1550, 1591, 1696, 1715, 1829, 1846, 1858, 1879, 2016, 2071, 2123, 2209, 2300, 2331, 2362, 2458, 2492, 2618, 2888, 2900, 3033, 3045, 3068, 3089, 3125, 3186, 3301–3302, 3410, 3429, 3497, 3522, 3528, 3732, 3752, 3824, 3865, 3881, 3923, 3967, 3996, 4139, 4242, 4291, 4303, 4317, 4321, 4374
CELL MEMBRANE PERMEABILITY: 98, 187, 479, 848, 865, 1109, 1995, 2209, 2936, 3125, 3709, 4189
CELL MIGRATION INHIBITION: 1588
CELL MOVEMENT: 317, 327, 1167, 1509, 2840, 2920, 3221, 3246, 4201
CELL NUCLEOLUS: 695, 1332, 2621, 3185, 3725, 3749
CELL NUCLEUS: 54, 132, 494, 511, 526, 631, 657, 666–667, 733, 807, 846, 1131, 1190, 1238, 1293, 1332, 1431, 1468, 1498, 1545, 1586, 1688, 1804, 1829, 1857, 1875, 2016, 2035, 2165, 2183, 2309, 2395, 2467, 2587, 2610, 2713, 2840, 3104, 3185, 3347, 3433, 3522, 3534, 3563, 3612, 3724–3725, 3741, 3749, 3776, 3826–3827, 3855, 3872, 4014, 4111, 4165, 4216–4217, 4257, 4283, 4308, 4376, 4447
CELL NUMBER: 3, 80, 675, 986, 1148, 1527, 1533, 1560, 1626, 1630, 1941, 2255, 2579, 2805, 3246, 3299, 3829, 3896, 4482
CELL SEPARATION: 56, 234, 924, 949, 1231, 1583, 2681, 3779, 4038, 4056, 4339
CELL SURVIVAL: 57, 918, 1192, 1368, 1519, 1623, 1833, 2753, 2855, 3272, 3933, 4337
CELL TRANSFORMATION, NEOPLASTIC: 80, 280, 642, 1073, 1251, 1718, 2157, 2755
CELL TRANSFORMATION, VIRAL: 1251, 4346
CELLS: 1378, 1601, 2123
CELLS, CULTURED: 130, 441, 527, 613, 642, 725, 745, 924, 1017, 1053, 1077, 1157, 1191, 1241, 1270, 1288, 1400, 1406, 1710, 1843, 1920, 1939, 1970, 1987, 2179, 2236, 2324, 2345, 2360, 2541, 2590–2591, 2622, 2681, 2719, 2735, 2753, 2831, 2902, 2953, 3045, 3108, 3152, 3218, 3221, 3250, 3273, 3276, 3364, 3518, 3582, 3714, 3727, 3779, 3797–3798, 3813, 3819, 3829, 3843, 3914–3915, 3933, 3946, 4035, 4056, 4103, 4124, 4131, 4173, 4192, 4293, 4337, 4346, 4362, 4415
CELLULAR INCLUSIONS: 2183, 2435, 2573
CELLULOSE: 657
CENTCHROMAN: 3787
CENTRAL NERVOUS SYSTEM: 362, 677, 1007, 1075, 1414, 1768, 2130, 2236, 2352, 3119, 3814, 3884
CENTRAL NERVOUS SYSTEM AGENTS: 3223
CENTRAL NERVOUS SYSTEM DISEASES: 3406, 4388
CENTRAL VENOUS PRESSURE: 3159, 3902
CENTRIFUGATION: 3524
CENTRIFUGATION, DENSITY GRADIENT : 56, 878, 1293, 1819, 3104, 4056
CEPHALOMETRY: 2486, 2730, 3036, 4324
CEPHALOSPORINS: 2623
CEPHALOTHIN: 1121
CEPHRADINE: 2623
CERAMICS: 1096
CERCOPITHECUS PYGERYTHRUS: 237
CEREBELLAR ATAXIA: 1415
CEREBELLAR CORTEX: 678, 3970
CEREBELLAR DISEASES: 3973
CEREBELLAR NEOPLASMS: 1072, 2095, 3160
CEREBELLUM: 198, 542–543, 729, 788, 2145, 3175, 3450, 3489, 4084
CEREBRAL ANEURYSM: 1799, 3620
CEREBRAL ANGIOGRAPHY: 1720, 1762–1763, 1799, 3251
CEREBRAL ANOXIA: 993, 1031, 1373, 2273
CEREBRAL AQUEDUCT: 1612, 4394
CEREBRAL ARTERIES: 982
CEREBRAL CORTEX: 136, 563, 985, 993, 1259, 1461, 1502, 1721, 2966, 3184, 3244, 3450, 3470, 3526, 3623, 3759, 3770, 4011, 4084, 4196, 4359, 4367, 4381, 4398
CEREBRAL EMBOLISM AND THROMBOSIS: 1299, 2503–2504
CEREBRAL HEMORRHAGE: 507, 1003, 2503–2504
CEREBRAL INFARCTION: 507, 2509
CEREBRAL ISCHEMIA: 993, 2047, 3244
CEREBRAL ISCHEMIA, TRANSIENT: 507, 543
CEREBRAL PALSY: 3290
CEREBRAL VENTRICLE NEOPLASMS: 1762–1763, 3021
CEREBRAL VENTRICLES: 2095, 2471, 3677
CEREBROSIDES: 827, 1065
CEREBROSPINAL FLUID PROTEINS: 1701
CEREBROSPINAL FLUID SHUNTS: 2524, 3772
CEREBROSPINAL RHINORRHEA: 4437
CEREBROVASCULAR CIRCULATION: 543, 1007, 1031, 1120, 1585, 2197, 2508
CEREBROVASCULAR DISORDERS: 507, 1178, 1448, 1823, 2503–2504, 2714, 3054, 3877, 4161, 4495
CEROID: 1287
CERULOPLASMIN: 450, 814, 3516
CERVICAL PLEXUS: 4243
CERVIX DYSPLASIA: 885
CERVIX MUCUS: 57, 414, 686, 1619, 2241, 2466, 2472, 2555, 3938
CERVIX NEOPLASMS: 885, 1073, 1234, 2451, 2833, 3496, 4149, 4521
CERVIX UTERI: 91, 896, 950, 1131, 1617, 1622, 1804, 1820, 2165, 2241, 2646, 2997, 3206, 3361, 4216, 4353
CESAREAN SECTION: 1478, 2256, 2593, 2849, 2977
CESIUM RADIOISOTOPES: 2984
CHARACTER: 2072
CHARCOAL: 1273
CHEEK: 631
CHELATING AGENTS: 147, 1377, 4334
CHEMICAL INDUSTRY: 2484
CHEMISTRY: 40, 137, 568, 724, 748, 805, 890, 1435, 1534, 1760, 1804, 1819, 1873, 2071, 2616, 2774, 2777, 3444, 3660–3661, 3698, 3724, 3752, 4029, 4144, 4270, 4439
CHEMISTRY, CLINICAL: 3143
CHEMISTRY, PHARMACEUTICAL: 188, 1039, 1514
CHEMISTRY, PHYSICAL: 658, 1199, 2356, 3090, 3489, 3524, 3724
CHEMORECEPTORS: 1208
CHEMOSTERILANTS: 809, 3373

CHEMOTAXIS: 2419, 2519, 2920, 3313, 4052
CHEMOTAXIS, LEUKOCYTE: 1642, 2920
CHIARI-FROMMEL SYNDROME: 4435
CHICK EMBRYO: 323, 364, 951, 1078, 1099, 1130, 1241, 1406, 1547, 1848–1849, 1939, 2090, 2123, 2276, 2388, 2622, 2759, 3042, 3210, 3698, 3779, 3819, 3824, 3968, 4035, 4061, 4222
CHICKENPOX: 3798
CHICKENS: 162, 194, 290, 331, 353, 357, 366, 423, 441, 488, 559, 583, 606, 626, 746, 823, 888, 892, 970, 975, 1177, 1329, 1431, 1535–1536, 1547, 1888, 2068, 2084, 2090, 2136, 2203, 2339, 2590, 2701, 2756, 2835, 2848, 2919, 3024, 3033, 3037, 3041, 3181, 3239, 3311, 3347, 3401, 3491, 3495, 3512, 3537, 3557, 3582, 3601, 3616, 3726, 3746, 3776, 3983, 4014, 4165, 4182, 4201, 4348–4349, 4410
CHILD: 6, 31, 36, 44, 80, 125, 131, 164, 195, 220–221, 226, 268, 293, 299, 337, 345, 361, 375, 391, 406, 417, 419, 446, 454, 502, 516, 545, 576, 579, 603, 605, 637, 641, 644, 649, 661, 705, 711, 731, 756, 796, 810, 859, 884, 911–912, 914, 945, 955, 961, 988–989, 992, 1001–1003, 1008, 1016, 1018, 1028, 1045, 1060, 1098, 1113, 1124, 1135, 1143, 1161, 1255, 1261–1262, 1277, 1279, 1319, 1321, 1324, 1437, 1442, 1472, 1556, 1564, 1631, 1647, 1697, 1731, 1734, 1762–1763, 1805, 1815, 1824, 1826–1827, 1910, 1929, 1937–1938, 1956, 1969, 2046, 2056–2057, 2059, 2078, 2113, 2131, 2137, 2157–2158, 2174, 2198–2199, 2220, 2226, 2228, 2242, 2259, 2271, 2294, 2301, 2325, 2347, 2370, 2378–2379, 2447, 2455, 2470–2471, 2514, 2525–2526, 2529, 2546, 2572, 2583, 2594, 2656–2657, 2660, 2695, 2703, 2726, 2729–2731, 2760, 2773, 2815, 2830, 2834, 2859, 2869, 2883–2884, 2901, 2908, 2935, 2997, 3006, 3014, 3017, 3023, 3064, 3089, 3096, 3099, 3106, 3122, 3128, 3139–3140, 3144, 3161, 3203, 3208–3209, 3220, 3224, 3247, 3266–3267, 3274, 3290, 3325, 3340–3341, 3345, 3356, 3367, 3406, 3418, 3437, 3441, 3486, 3493, 3502–3503, 3507, 3520, 3551, 3561, 3568, 3596, 3599, 3632, 3665, 3670, 3701, 3713, 3730, 3734, 3788, 3792, 3857, 3887, 3932, 3943, 3955, 3961, 3965, 3979, 3992, 4000, 4017, 4023, 4042, 4046, 4055, 4064, 4067, 4080, 4102, 4125, 4157, 4196, 4203, 4219–4220, 4223, 4266, 4286, 4296, 4338, 4354, 4357, 4365, 4375, 4384, 4390, 4444–4445, 4483, 4489, 4493, 4508, 4513, 4526, 4530–4531
CHILD BEHAVIOR: 3670
CHILD DEVELOPMENT: 762, 2273, 3670
CHILD DEVELOPMENT DEVIATIONS: 1475, 2072
CHILD, PRESCHOOL: 31, 36, 220, 226, 303, 309, 328, 361, 391, 417, 545, 579, 603–605, 637, 641, 661, 711, 731, 741, 772, 796, 810, 912, 914, 931, 955, 1002, 1018, 1045, 1060, 1113, 1124, 1143, 1161, 1173, 1212, 1237, 1260–1261, 1277, 1279, 1287, 1319, 1321, 1373, 1393, 1419, 1437, 1475, 1480, 1484, 1523, 1631, 1697, 1731, 1763, 1826, 1926, 1931, 1937, 1969, 2046, 2078, 2137, 2157, 2174, 2259, 2271, 2294, 2301, 2312, 2370, 2455, 2514, 2524–2526, 2529, 2543, 2546, 2594, 2660, 2726, 2729–2731, 2859, 2883, 2935, 3006, 3017, 3021, 3064, 3122, 3128, 3139, 3224, 3257, 3266–3267, 3325, 3340, 3367, 3404, 3437, 3493, 3568, 3596, 3619, 3631–3632, 3665, 3670, 3701, 3730, 3748, 3932, 3961, 3979, 3992, 4042, 4064, 4067, 4125, 4163, 4196, 4203, 4234, 4266, 4296, 4354, 4396, 4493, 4507–4508, 4531
CHIMERA: 427, 4062
CHIMPANZEES: 2285
CHINCHILLAS: 2142, 2350
CHIPMUNKS: 3820, 4342
CHIROPTERA: 3231
CHLAMYDIA INFECTIONS: 527
CHLAMYDIA TRACHOMATIS: 527
CHLORAL HYDRATE: 2930
CHLORAMBUCIL: 628, 759, 1735, 1801, 2135, 3763, 4496
CHLORAMPHENICOL: 1673, 2064, 3644
CHLORCYCLIZINE: 4334
CHLORDIAZEPOXIDE: 2368
CHLORHEXIDINE: 1839
CHLORIDES: 410, 537, 1613, 1748, 1995, 1998, 2161, 2477, 3940, 4037
CHLORIMIPRAMINE: 319, 1292, 2175, 3027, 4078, 4151, 4326, 4359
CHLORINE: 3161, 3168
CHLORMADINONE: 4458
CHLORMETHIAZOLE: 2441
P-CHLOROAMPHETAMINE: 102, 205, 700, 830, 1214, 3822
CHLOROFORM: 4121
CHLOROHYDRINS: 235, 1450, 1873
CHLOROMERCURIPHENYLSULFONATE: 3509
CHLOROMETHYL METHYL ETHER: 4179
P-CHLOROPHENYLALANINE: 710, 792, 1354, 2332, 2420, 2567, 2720, 2744, 2845, 3428, 3760
CHLOROQUINE: 641, 1134, 1277, 3277, 3665, 3845
4-CHLOROTESTOSTERONE: 773
CHLOROTHIAZIDE: 580, 728, 2193, 2871
CHLORPHENIRAMINE: 3446, 3802, 4240
CHLORPROMAZINE: 422, 607, 730, 1427, 1577, 1661, 1673, 1724, 2351, 2961, 3149, 3669
CHLORPROPAMIDE: 98, 3166
CHLORTHALIDONE: 1792, 2327
CHOLANGIOMA: 433–434
CHOLECALCIFEROLS: 357, 391, 1569, 2009, 2064, 2068, 2084, 2367, 2474, 2701, 2824, 2835, 2908, 3042, 3295, 3746, 3837
CHOLECYSTECTOMY: 683, 1038, 3459
CHOLECYSTITIS: 148
CHOLECYSTOGRAPHY: 517, 3251
CHOLECYSTOKININ: 1898, 1974, 2365, 3097
CHOLELITHIASIS: 148, 288, 938, 2538
CHOLERA: 3273
CHOLERA TOXIN: 266, 659, 750, 1189, 1661, 1836, 2331, 2359, 3350, 3540, 3617, 3906, 4164
CHOLESTANOLS: 4123
CHOLESTASIS: 3352
CHOLESTEATOMA: 3973
CHOLESTEROL: 93, 273, 444, 767, 883, 1059, 1177, 1260, 1339, 1407, 1426, 1561, 1977, 1979, 2082, 2414, 2450, 2784, 3307, 3462, 3604, 3688, 3775, 3850, 3883, 3963, 4046, 4123, 4416, 4434
CHOLESTEROL DESMOLASE: 3676, 3916, 3963
CHOLESTEROL, DIETARY: 1979, 2103, 2450, 3058
CHOLESTEROL ESTERS: 1561, 3916
CHOLESTYRAMINE: 1438, 2450
CHOLIC ACIDS: 2801
CHOLINE: 1458, 2498, 3697, 4388
CHOLINE ACETYLTRANSFERASE: 1366, 3658, 3986
CHOLINE DEFICIENCY: 3697
CHOLINERGIC FIBERS: 513, 1366
CHOLINESTERASES: 2319
CHONDROCALCINOSIS: 2600
CHONDRODYSTROPHIA CALCIFICANS CONGENITA: 343, 691
CHONDROITIN SULFATES: 105, 1029, 3903
CHONDROMA: 3161
CHONDROSARCOMA: 2998, 3161
CHORDOMA: 1115
CHORDOTOMY: 2346
CHOREA: 3173
CHORIOCARCINOMA: 259, 295, 597, 927, 1297, 1543, 2157, 2242, 2822, 3075, 3717, 4128
CHORION: 302, 1298, 2631, 3538, 4061
CHORIONIC VILLI: 281, 2803
CHORISTOMA: 840, 3619
CHOROID: 534, 3007
CHOROID PLEXUS: 44, 750, 1763
CHROMAFFIN GRANULES: 279, 496, 1377, 2253, 2597, 2820, 3271, 3524, 3602
CHROMAFFIN SYSTEM: 35, 496, 1377, 1416, 1598, 2058, 2253, 2820, 3524, 3602, 4264, 4482
CHROMATIN: 746, 888, 1804, 1819, 2309, 3181, 3512, 3537, 3725, 3776, 3824, 3929, 4033
CHROMATOGRAPHY: 990, 1051, 1789, 3304, 3600
CHROMATOGRAPHY, AFFINITY: 498, 1772, 2533, 2641, 2693, 2698, 3392, 3689, 3997
CHROMATOGRAPHY, AGAROSE: 878, 2641
CHROMATOGRAPHY, DEAE-CELLULOSE: 1888
CHROMATOGRAPHY, GAS: 26, 271, 405, 492, 554, 689, 1122, 1221, 1391, 1561, 2148, 2298, 2361, 2366, 2689, 2950, 3053, 3298, 3329, 3444, 3592–3595, 3711, 3874, 4029, 4100, 4327, 4344, 4377
CHROMATOGRAPHY, GEL: 5, 47, 638, 755, 1049, 1293, 1392, 1848, 2289, 2481, 2633, 2698, 2750, 2866, 3104, 3129, 3143, 3279, 3460, 3656, 4053, 4308, 4387
CHROMATOGRAPHY, HIGH SPEED LIQUID: 87, 1039, 1062, 1365, 1392, 1574, 2444, 3348, 3494, 4256
CHROMATOGRAPHY, ION EXCHANGE: 878, 975, 2289, 2771, 3129, 3825, 4407
CHROMATOGRAPHY, LIQUID: 554, 3329, 3711
CHROMATOGRAPHY, PAPER: 2172
CHROMATOGRAPHY, THIN LAYER: 26, 51, 983, 1006, 1237, 1293, 1392, 1499, 1646, 2652, 2950, 3298
CHROMIUM: 2484, 2841, 4436
CHROMOGRANINS: 279
CHROMOSOMAL PROTEINS, NON-HISTONE: 2309, 4165
CHROMOSOME ABERRATIONS: 176, 741, 745, 1176, 1464, 1681, 2236, 2591, 4076, 4452
CHROMOSOME ABNORMALITIES: 741, 2236
CHROMOSOME BANDING: 1868, 1990, 2310, 2403, 4173
CHROMOSOME DELETION: 741, 745, 911, 1886
CHROMOSOME MAPPING: 1436
CHROMOSOMES: 526, 538, 807, 3098, 3869, 4345
CHROMOSOMES, HUMAN: 852, 1868
CHROMOSOMES, HUMAN, 6–12: 1886
CHROMOSOMES, HUMAN, 16–18: 741
CHROMOSOMES, HUMAN, 19–20: 4173
CHROMOSOMES, HUMAN, 21–22: 741, 1886
CHRONIC DISEASE: 148, 229, 277, 422, 671, 957, 981, 1006, 1272, 1367, 1434, 1612, 1731, 1733, 1805, 1871, 2019, 2023, 2154, 2205, 2377, 2385, 2441, 2600, 2616, 2833, 2839, 2886, 3040, 3167, 3169, 3212, 3308, 3359, 3366, 3613, 3624, 3862, 3975, 3979, 4331, 4360, 4469, 4537
CHYLOMICRONS: 3307, 3462
CHYLOPERITONEUM: 253
CHYLOTHORAX: 253
CHYMOTRYPSIN: 3110, 3115, 4293
CICATRIX: 3459
CILIA: 1036, 2969, 3557
CILIARY BODY: 2741, 4127
CIMETIDINE: 578, 853, 906, 2190, 2197, 2349, 3672
CINANSERIN: 40
CIRCADIAN RHYTHM: 132, 159, 276, 353, 382, 404, 475, 608, 719, 776, 792, 1037, 1108, 1283, 1362, 1447, 1454, 1511, 1669, 1730, 1771, 2030, 2033, 2168, 2173, 2240, 2401, 2461, 2528, 2535, 2767, 3100, 3198, 3207, 3322, 3820, 3924, 3945, 3977, 4026, 4092, 4183, 4272, 4279, 4281, 4344
CIRCULAR DICHROISM: 684, 2318, 3456, 3535, 4063
CISTERNA MAGNA: 2471
CITRATE SYNTHASE: 2518
CITRATES: 473, 2064, 2270, 2287, 2804
CITROVORUM FACTOR: 1297, 1346
CIVIL RIGHTS: 2026
CLAVICLE: 3717
CLEFT LIP: 1369, 3818
CLEFT PALATE: 50, 85, 342, 1369, 2056, 3818, 3869, 4334
CLEMASTINE: 1460
CLIMACTERIC: 108, 790, 866, 1751, 1981, 2114, 3504, 3815, 4177, 4188, 4371
CLIMATE: 166
CLITORIS: 1842
CLOBETASOL: 577, 1702, 1945, 3152, 4301
CLOFIBRATE: 288, 585, 696, 938, 1438, 2421, 3166, 4361
CLOGESTONE: 1009
CLOMIPHENE: 207, 336, 345, 825, 933, 947, 966, 1503, 1884, 2263, 2275, 2308, 2540, 2557, 2624, 3144, 3803, 3907, 4018, 4391
CLONAZEPAM: 1816
CLONE CELLS: 266, 327, 518, 827, 1167, 2131, 2513, 3098, 3946
CLONIDINE: 205, 599, 1859, 2197, 2534–2535, 3884, 3982, 4275, 4290
CLOPROSTENOL: 3193–3194
CLORGYLINE: 983, 1108, 2635
CLOSTRIDIOPEPTIDASE A: 917, 1099, 1552, 1583, 3408
CLOSTRIDIUM PERFRINGENS: 3896
CLOT RETRACTION: 2515
CLOZAPINE: 1013
CLUSTER HEADACHE: 732, 1585, 2780
COBALT: 625, 1377, 1531, 2245
COBALT RADIOISOTOPES: 164, 2605, 3482,

3493, 4211
COCAINE: 1570, 2247, 2899, 3256, 4121
COCARCINOGENESIS: 2239
COCHLEA: 3980
COCHLEAR DUCT: 3980
COCKROACHES: 4088
CODEINE: 2770
COELENTERATA: 76, 1584
COELENTERATE VENOMS: 76
COENZYME A: 3743
COENZYMES: 3325
COGNITION: 1427, 3670, 3830
COGNITION DISORDERS: 2992
COITUS: 1267, 1700, 2241, 2271, 2466, 3648
COITUS INTERRUPTUS: 376
COLCHICINE: 175, 441, 1134, 1579, 2186, 3025, 3221, 4028
COLD: 153, 162, 477, 1024, 1287, 1330, 2021, 2769, 2934, 3050, 3393, 3868, 3983–3984, 4518
COLECTOMY: 1725, 2584, 4042
COLEOPTERA: 3373
COLESTIPOL: 4046
COLITIS: 1336, 2967, 3136
COLITIS, ULCERATIVE: 1725, 1986, 2584, 3864, 4042
COLLAGEN: 347, 815, 1099, 1622, 1731, 1795, 1916, 1918, 1920, 1963, 2103–2104, 2133, 2208, 2399, 2417, 2617, 2831, 3152, 3408, 4246
COLLAGEN DISEASES: 824, 1015, 2465, 2616, 2965
COLLOIDS: 2548, 2976
COLON: 1233, 1336, 1935, 2639, 2748, 3047–3048, 3458, 3496, 3949, 4181
COLONIC NEOPLASMS: 1336, 1725, 2418, 2967, 3248, 3520, 3795
COLONY-FORMING UNITS ASSAY: 23, 1321, 1732, 2605, 4112
COLONY-STIMULATING FACTOR: 27, 3829
COLOR BLINDNESS: 2185, 3288
COLOR PERCEPTION: 1456
COLORIMETRY: 1356, 1363, 4414
COLOSTOMY: 3496
COLOSTRUM: 3841
COMA: 453, 1128, 1333, 3579, 4366
COMMON COLD: 3798
COMMUNITY HEALTH CENTERS: 553
COMPLEMENT: 541, 979, 1550, 1964, 3604, 3956
COMPLEMENT 1: 73
COMPLEMENT 1 INACTIVATORS: 73, 1546, 2184, 2895, 3082
COMPLEMENT 2: 2184, 3082
COMPLEMENT 3: 377, 432, 541, 661, 2089, 2131, 2184, 2312, 3932
COMPLEMENT 4: 1546, 2184, 3082
COMPLEMENT ACTIVATION: 2357
COMPLEMENT FIXATION TESTS: 2318
COMPOUND 48–80: 4019
COMPUTERS: 1388, 1412, 1479, 1674, 1959, 3098, 3300, 3480, 4182
CONALBUMIN: 1329
CONCANAVALIN A: 295, 522, 1719, 2693, 3129, 3392, 4246
CONDITIONING (PSYCHOLOGY): 475, 664, 1706
CONDITIONING, CLASSICAL: 1427, 2128
CONDITIONING, OPERANT: 822, 1361
CONDYLOMATA ACUMINATA: 1817
CONGRESSES: 1782, 2239, 4486, 4489–4491, 4509, 4530, 4536
CONJUNCTIVA: 691
CONJUNCTIVITIS: 3665
CONNECTIVE TISSUE: 672, 1705, 1830, 2103–2104, 4369
CONSANGUINITY: 852
CONSTIPATION: 244, 3154
CONSUMER SATISFACTION: 2549
CONTACT INHIBITION: 1595
CONTRACEPTION: 376, 1573, 2251, 3062, 4500, 4506
CONTRACEPTION BEHAVIOR: 3370
CONTRACEPTION, IMMUNOLOGIC: 2251, 4500
CONTRACEPTIVE AGENTS: 1729, 3558
CONTRACEPTIVE AGENTS, FEMALE: 142, 715, 738, 767, 883, 992
CONTRACEPTIVE AGENTS, MALE: 235, 3476
CONTRACEPTIVE DEVICES: 376
CONTRACEPTIVE DEVICES, FEMALE: 2763, 4015, 4307
CONTRACEPTIVES, ORAL: 2, 81, 278, 288, 361, 376, 439, 456, 469, 553, 586, 676, 705, 709, 727, 751, 794, 814, 869, 885, 968, 977, 1000, 1166, 1171, 1339, 1350, 1561, 1620, 1700, 1817, 1823, 1872, 1881, 1897, 1960, 1988, 2167, 2185, 2266, 2387, 2469, 2538–2539, 2549, 2683, 2831, 2890–2891, 3060, 3062, 3121, 3173, 3298, 3346, 3353, 3370, 3374, 3380, 3427, 3510, 3558, 3775, 3939, 3981, 4166, 4205, 4213, 4268, 4300, 4305, 4307, 4323, 4328, 4343, 4358, 4501, 4506, 4511, 4521, 4533
CONTRACEPTIVES, ORAL, COMBINED: 456, 676, 869, 1881, 2683, 2831, 3173, 3380, 3510, 3939
CONTRACEPTIVES, ORAL, HORMONAL: 81, 101, 439, 794, 977, 1000, 1350, 1573, 1817–1818, 1949, 1981, 1988, 2251, 2387, 2890, 3121, 3280, 3803, 3981, 4205, 4300, 4521
CONTRACEPTIVES, ORAL, SYNTHETIC: 752, 885, 1339, 1497, 1561, 1700, 1960, 1988, 2167, 2185, 2517, 3173, 3380, 3775
CONTRACEPTIVES, POSTCOITAL: 715, 2251, 3559
CONTRACEPTIVES, POSTCOITAL, HORMONAL: 715
CONTRACEPTIVES, POSTCOITAL, SYNTHETIC: 715
CONTRACTURE: 4105
CONTRAST MEDIA: 1615, 2537, 2836–2837, 3783
CONTUSIONS: 1352, 2650–2651, 3233
CONVULSIONS: 333, 542, 757, 1647, 2427, 3021, 3244, 3461, 3790, 4077
COOMBS' TEST: 661
COPPER: 450, 579, 814, 915, 3188, 4442, 4503
COPULATION: 392, 2285
CORN: 1294, 2444, 4256
CORNEA: 690, 991, 1188, 2096, 3739, 4222, 4290
CORNEAL DISEASES: 1437, 3739
CORNEAL ULCER: 917, 2659
CORONARY CIRCULATION: 532, 1959
CORONARY DISEASE: 531–532, 832, 2010, 2015, 2200, 2341, 2538, 2975, 3061, 3293–3294, 3634, 4193, 4366
CORONARY VESSELS: 278, 773, 1491, 1876, 2450, 3990
CORPORA QUADRIGEMINA: 2245
CORPUS CALLOSUM: 2471
CORPUS LUTEUM: 46, 239, 285, 346, 1007, 1046, 1326, 1398, 1400, 1449, 1451, 1455, 1985, 2091, 2132, 2148, 2467, 2747, 2957, 3188, 3215, 3344, 3360, 3415, 3530, 3560, 3845, 3910, 3976, 4051, 4280, 4340
CORPUS LUTEUM MAINTENANCE: 301, 706, 3360
CORPUS LUTEUM REGRESSION: 3193, 3560
CORPUS STRIATUM: 61, 542–543, 726, 1013, 1082, 1244, 1418, 1666, 1682, 2314, 2448, 2498, 3175, 3470, 3483, 3658, 4011, 4372
CORTICOSTERONE: 132, 227, 323, 350, 394, 475, 477, 495, 607, 620, 792, 980, 1059, 1104, 1134, 1211, 1215, 1225, 1309, 1372, 1498, 1580, 1669–1670, 1672, 1691, 1716, 2021, 2201, 2354, 2400, 2414, 2749, 2817, 2863, 2941, 2991, 3018, 3032, 3116, 3130, 3207, 3219, 3324, 3554, 3563, 3696–3697, 3724, 3741, 3924, 3930, 3983, 4030, 4073, 4141, 4218, 4281, 4395, 4447
CORTICOTROPIN: 162, 244, 315, 392, 394, 440, 449, 495, 620, 792, 799, 801, 829, 903, 928, 952, 998, 1017, 1019, 1055, 1059, 1104, 1225, 1279, 1553, 1582, 1607, 1641, 1714, 1741, 1752, 1761, 1774, 1794, 1870, 1912, 1914, 2021, 2198, 2244, 2263, 2292, 2333, 2350, 2372, 2400, 2430, 2499, 2513, 2565, 2584, 2616, 2692, 2733, 2816, 2826, 2855, 3016, 3032, 3061, 3091, 3116, 3125, 3142, 3324, 3362, 3405, 3410, 3418, 3528, 3572, 3607, 3666, 3697, 3714, 3716, 3744, 3795, 3830, 3860, 3909, 3912, 3965, 3983, 4008, 4028, 4148, 4153, 4183, 4224, 4274, 4297, 4311, 4331, 4373, 4420, 4426
CORTICOTROPIN RELEASING HORMONE: 3116
CORTISONE: 7, 54, 234, 342, 347, 646, 827, 895, 949, 1449, 1673, 1683, 1725, 1977, 2125, 2286, 2328, 2523, 2570, 2879, 3095, 3111, 3270, 3747, 3805, 3869, 3942, 3965, 4212
CORTODOXONE: 3418
COSTS AND COST ANALYSIS: 553, 673, 4307
COSYNTROPIN: 641, 1419
COTURNIX: 2592, 2621
COUMARINS: 1100
COUNSELING: 566, 709, 1267
CRABS: 1108, 1136
CRANIAL FOSSA, POSTERIOR: 1115
CRANIAL NERVE NEOPLASMS: 520, 2470
CRANIOFACIAL DYSOSTOSIS: 3341, 3834
CRANIOPHARYNGIOMA: 80, 520, 946, 1001, 1720, 1762, 1799, 1965, 2455, 2470–2471, 3362, 3758, 3919, 3992
CRANIOTOMY: 796, 1502, 3315
CRAYFISH: 1136
CREATINE: 2814
CREATINE KINASE: 225, 253, 1091–1092, 1435, 3383, 3494, 3568, 4047, 4311, 4470
CREATININE: 116, 310, 517, 555, 656, 760, 884, 2033, 2336, 2590, 2656, 2727, 2896, 2922, 3063, 3322, 3519, 3982, 4023, 4276, 4519
CRETINISM: 1275, 2482, 2521, 2844, 2903
CRICETULUS: 725
CRIME: 4375
CRITICAL CARE: 3818
CROSS REACTIONS: 1499, 1850–1851, 2290, 2452, 2602, 2633, 2754, 2818, 3143, 3263, 3997, 4178
CROSSES, GENETIC: 1856, 4345
CRUSTACEA: 423, 1136, 4036
CRYOGLOBULINS: 2135, 2357
CRYOTHERAPY: 3943
CRYPTORCHISM: 458, 744, 747, 911–912, 1045, 1180, 2306, 2524, 2703, 2822, 3199–3200, 3340, 4455
CRYSTALLIZATION: 2600, 3285
CRYSTALLOGRAPHY: 2942, 4471
CULTURE MEDIA: 37, 416, 725, 857, 1400, 1455, 1595, 1918, 2410, 2902, 3221, 3567, 3727, 4130, 4254, 4299, 4337
CUSHING'S SYNDROME: 352, 400, 954, 1211, 1314, 1720, 1752, 1800, 1870, 1908, 2144, 2198, 2298, 2603, 2642, 3016, 3139, 3438, 3455, 3528, 3543, 3716, 4162, 4491
CUSPID: 1706, 4474
CYANIDES: 186, 528, 4194, 4284
CYANOACRYLATES: 4437
CYBERNETICS: 446
CYCLAZOCINE: 472
3',5'-CYCLIC AMP PHOSPHODIESTERASE: 433, 518, 642, 915, 930, 2034, 2051, 2279, 2781, 2852, 3037, 3432, 3456, 3526, 3915
3',5'-CYCLIC GMP PHOSPHODIESTERASE: 434, 1490, 2051, 2781
2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE: 280, 2426
CYCLIZATION: 3576
CYCLOFENIL: 2275
CYCLOHEXANECARBOXYLIC ACIDS: 991
CYCLOHEXANES: 402
CYCLOHEXIMIDE: 725, 857, 1418, 1624, 1666, 1950, 1962, 1970, 2004, 2250, 2505, 2589, 2697, 3024, 3265, 3279, 3436, 3491, 3509, 3914, 3933, 4346
CYCLOPARAFFINS: 2141
CYCLOPHOSPHAMIDE: 182, 256, 522, 539, 649, 961, 988, 1012, 1016, 1019, 1112, 1141, 1144, 1277, 1346, 1529, 1543, 1652, 1735, 1801, 2074, 2090, 2119, 2445, 2728, 2879, 3010, 3148, 3277, 3406, 3551, 3582, 3647, 3763, 4156–4157, 4368, 4433, 4496
CYCLOPROPANES: 1216, 2635, 3835
CYCLOSTOMES: 1226, 2560
CYNOMOLGUS MONKEYS: 2450, 2986, 3597, 4325, 4340
CYPRINIDAE: 528, 1899–1900, 1984, 2475, 2738, 3039
CYPROHEPTADINE: 1242, 1390
CYPROTERONE: 95, 196, 2027, 2086, 2912, 2956, 2962, 3021, 3256, 4045, 4143, 4458
CYSTADENOCARCINOMA: 332, 3155
CYSTADENOMA: 112, 2018
CYSTADENOMA, MUCINOUS: 124, 2016–2017, 3459
CYSTADENOMA, PAPILLARY: 2038
CYSTEAMINE: 1765
CYSTIC FIBROSIS: 288, 1472, 1708, 1924, 3053
CYSTICERCOSIS: 3162
CYSTINOSIS: 309, 2447
CYSTITIS: 4443
CYSTS: 66, 105, 133, 515, 871, 1027, 1908, 2267, 2471, 2825, 3004, 3070, 3649, 3833, 4511, 4526
CYTARABINE: 1346, 3406
CYTIDINE: 2459

CYTIDINE DIPHOSPHATE CHOLINE: 2498
CYTIDINE TRIPHOSPHATE: 1238
CYTOCHALASIN B: 432, 821, 2186, 3221
CYTOCHALASINS: 1579, 2423
CYTOCHROME C: 137, 2518, 4137
CYTOCHROME OXIDASE: 1869, 1959, 2518, 3661, 3856
CYTOCHROME P-450: 17, 484, 802, 1067, 1402, 1863, 2264, 2505, 2712, 2757, 2838, 3588, 3676, 3963, 4316, 4424
CYTOCHROME REDUCTASES: 1959
CYTOCHROMES: 484, 2814, 3554, 3676
CYTODIAGNOSIS: 3212, 3723
CYTOLOGICAL TECHNICS: 1887
CYTOLOGY: 2682, 2958
CYTOMEGALIC INCLUSION DISEASE: 3798
CYTOPATHOGENIC EFFECT, VIRAL: 3108
CYTOPLASM: 666, 1610, 1663, 2016, 2186, 2222, 2667, 3033, 3206, 3372, 3509, 3522, 3598, 4165, 4228, 4317
CYTOPLASMIC GRANULES: 35, 70, 306, 639, 734, 805, 1036, 1405, 1829, 1887, 1974, 2016, 2076, 2610, 2704, 2734, 3426, 3679, 3767, 3867, 3905, 3994, 4088, 4108, 4147, 4174, 4185
CYTOSINE NUCLEOTIDES: 1238
CYTOSOL: 172, 261, 459, 462, 494, 498, 509, 511, 633, 829, 1053, 1131, 1190, 1422, 1545, 1586, 1641, 1688, 1804, 1875, 1885, 1923, 1948, 2066, 2147, 2320, 2374, 2689, 2712–2713, 2749, 2756, 3104, 3118, 3181, 3260, 3512, 3563, 3598, 3600, 3616, 3724, 3741, 3824, 3838, 3850–3851, 3928, 4014, 4053, 4111, 4150, 4197, 4216, 4269, 4283, 4308–4309
CYTOTOXICITY, IMMUNOLOGIC: 1579, 1647, 1710, 2423
CYTOTOXINS: 918

D

D 600: 145, 1629
DACARBAZINE: 2570
DACTINOMYCIN: 354, 628, 725, 857, 931, 1297, 1332, 1520, 1543, 1624, 1692, 1950, 2004, 2250, 2589, 2621, 2697, 3042, 3509, 3751, 3898, 3914–3915, 4346, 4373, 4427
DAIRYING: 3823
DANAZOL: 48, 73, 235, 1170, 1327, 1497, 1546, 2184, 3082, 4316
DANDY-WALKER SYNDROME: 2471
DANSYL COMPOUNDS: 3348
DAPSONE: 570, 1419, 1919, 1949
DARKNESS: 493, 3013
DATA DISPLAY: 1927
DAUNOMYCIN: 693, 2572, 3406
DDE: 823, 4030
DDT: 509, 823, 1711
DEAFNESS: 3652
DEATH: 3158, 4528
DEATH, SUDDEN: 125
DECALCIFICATION TECHNIC: 529
DECANOATES: 625
DECANOIC ACIDS: 341
DECARBOXYLATION: 3587
DECEREBRATE STATE: 861
DECIDUA: 464, 1302, 2631, 3279
DECISION MAKING: 4169
DEER: 1630, 2295
DEFICIENCY DISEASES: 3247, 3545
DEGLUTITION DISORDERS: 2696
DEHYDRATION: 517, 4392
DEHYDROEPIANDROSTERONE: 38, 163, 165, 1054, 1157, 1274, 1298, 1322, 1999, 2078, 2234, 2263, 2385, 2646, 2826, 2853, 3079, 3146, 3663, 3762, 3909, 4002, 4104
DELAYED-ACTION PREPARATIONS: 188, 580, 1093, 1394, 3057, 3423, 3859
DELIVERY: 1132, 2050, 3998
DELUSIONS: 2816
DEMENTIA, PRESENILE: 1149
DEMETHYLCHLORTETRACYCLINE: 2951, 4496
DEMOGRAPHY: 3449
DENDRITES: 198, 1444, 1624
DENERVATION: 1366, 1461, 4060
DENSITOMETRY: 579, 2396
DENSITOMETRY, X-RAY: 2433, 2554, 3300
DENTAL CARE: 1966, 2056
DENTAL CARIES: 2031
DENTAL ENAMEL: 2031, 3698
DENTAL IMPLANTATION: 347
DENTAL OCCLUSION: 2730
DENTAL PLAQUE: 1872
DENTAL PULP: 347, 1706, 3320
DENTIN: 3698
DENTURE, COMPLETE, IMMEDIATE: 4324
DEOXYADENOSINE: 2004, 2589
DEOXYCHOLIC ACID: 3949
DEOXYEPINEPHRINE: 982
DEOXYGLUCOSE: 723, 952, 1520, 3454
DEOXYRIBONUCLEASE: 657, 1875, 3929
DEPRENYL: 983, 3292
DEPRESSION: 265, 267, 319, 574, 708, 714, 1906, 2130, 2534–2535, 2702, 2723, 3027, 3198, 3291, 3322, 3351, 3815, 4151, 4268, 4501
DEPRESSION, CHEMICAL: 205, 258, 463, 585, 599, 951, 1047, 1315, 1497, 1863, 1945, 1985, 2012, 2027, 2129, 2167, 2190, 2208, 2268, 2349, 2424, 2535, 2802, 2811, 2947, 2960, 2962, 3012, 3093, 3350, 3380, 3428, 3589, 3944, 3960, 4022, 4175, 4270, 4412
DEPRESSION, REACTIVE: 2534
DERMATAN SULFATE: 1029
DERMATITIS: 1969, 2351, 3434, 3552
DERMATITIS, ATOPIC: 3289, 3337, 3655, 4301
DERMATITIS, CONTACT: 3305
DERMATITIS HERPETIFORMIS: 1419
DERMATITIS MEDICAMENTOSA: 2342, 4446
DERMATOGLYPHICS: 1370, 4296
DERMATOMYOSITIS: 824, 1261, 4160
DERMOID CYST: 80
DESENSITIZATION: 1028, 3023
DESIPRAMINE: 283, 879, 1225, 2175, 2723, 3027, 4367
DESLANOSIDE: 1570–1571
DESMOPRESSIN: 796, 2063, 2195, 3172, 4080
DESOXIMETASONE: 463
DESOXYCORTICOSTERONE: 156, 480, 831, 2021, 2764, 3018, 3219, 3405, 3522, 3812, 4019, 4269, 4390, 4423
DESULFOVIBRIO: 932
DETERGENTS: 14
DEUTERIUM: 698, 1391, 2726, 2733
DEVELOPING COUNTRIES: 13
DEXAMETHASONE: 123, 261, 286, 396, 463, 522, 574, 593, 608, 611, 629, 657, 792, 827, 917, 999, 1053, 1058, 1091–1092, 1103, 1133–1134, 1178, 1188, 1191, 1219, 1254, 1279, 1303, 1373, 1406, 1454, 1635, 1691, 1840, 1950, 2021, 2032, 2095, 2227, 2229, 2263, 2277, 2344, 2354, 2523, 2535, 2615, 2625, 2634, 2692, 2714, 2791, 2811, 2847, 2941, 2944, 2960, 3013, 3018, 3065, 3072, 3118, 3123, 3260, 3270, 3281, 3406, 3563, 3696, 3724, 3741, 3797, 3856, 3909, 3933, 4077, 4116, 4143, 4170, 4183, 4337, 4360, 4495, 4512
DEXETIMIDE: 3175
DEXTRANS: 92, 990, 1740, 1916, 2812, 3923
DEXTROAMPHETAMINE: 881, 1013, 3470, 4146
DEXTRORPHAN: 1235, 1473
DEXTROTHYROXINE: 573, 1260, 1438, 2450, 4121
DIABETES INSIPIDUS: 50, 671, 796, 887, 1524, 1604, 1638, 1779, 2195, 2434, 2455, 2883, 2925, 2972, 3166, 3168, 3172, 3362, 3517, 3620, 3638, 4473, 4496
DIABETES MELLITUS: 55, 329, 417, 800, 844, 929, 1537, 1549, 1563, 1616, 1823, 2104, 2115, 2154, 2185, 2194, 2255, 2386, 2538, 2561, 2767, 3222, 3272, 3462, 3471, 3643, 3715, 4107, 4162, 4230, 4522
DIABETES MELLITUS, EXPERIMENTAL: 252, 650, 880, 1362, 1715, 2142, 2255, 2938, 3523
DIABETES MELLITUS, JUVENILE: 644, 989, 3596, 3932, 4489
DIABETIC ANGIOPATHIES: 1563
DIABETIC COMA: 2787
DIABETIC NEPHROPATHIES: 2938, 4107
DIABETIC NEUROPATHIES: 2787, 4107
DIABETIC RETINOPATHY: 582, 650, 1903, 1953
2,7-DIACETYLAMINOFLUORENE: 3917
DIACETYLMORPHINE: 4268
DIAGNOSIS, DIFFERENTIAL: 50, 68, 88, 253, 344, 373, 378, 419, 574, 589, 703, 824, 837, 859–860, 862, 893, 909, 1014, 1041, 1087, 1098, 1206, 1222, 1237, 1331, 1360, 1464, 1634, 1750, 1821, 1853, 1880, 1910, 1956, 2028, 2040, 2081, 2137, 2146, 2157, 2265, 2274, 2306, 2542–2543, 2608, 2660, 2665, 2696, 2760, 2779, 2850, 2883, 2905, 2965, 3018, 3021, 3087, 3162, 3168, 3203, 3212, 3257, 3277, 3359, 3376, 3642, 3657, 3684, 3758, 3803, 3848, 3973, 4183, 4188, 4200, 4235, 4285, 4289, 4315, 4382, 4385, 4461, 4469, 4476, 4483, 4487, 4525–4527, 4529
DIAGNOSIS, LABORATORY: 382
DIAGNOSIS, SURGICAL: 4526
DIAGNOSTIC ERRORS: 765, 1621, 1810, 3876
DIALYSIS: 806, 2008, 2453, 3077, 3129, 3656
DIAMIDE: 2186
DIAMINES: 235, 2024
3,3'-DIAMINOBENZIDINE: 815
DIAMMONIUM CHLOROPLATINUM COMPOUNDS: 623, 2117
DIAPHRAGM: 976, 1956
DIAPHRAGMATIC HERNIA: 32
DIARRHEA: 875, 1793, 2067
DIARRHEA, INFANTILE: 2786
DIASTOLE: 636, 4239
DIATHERMY: 1903
DIATRIZOATE: 1615
DIAZEPAM: 566, 1585, 3229–3230
DIAZOMETHANE: 1391
DIAZOXIDE: 1341
DIBENZAZEPINES: 319, 1013, 2175, 4326
DIBENZOCYCLOHEPTENES: 61, 671
DIBENZOXAZEPINES: 4429
DIBUCAINE: 2024
DIBUTYRYL CYCLIC AMP: 611, 617, 725, 928, 1047, 1077, 1311, 1421, 1624, 1661, 1713, 1950, 2359, 2400, 2479, 2513, 2681, 2719, 2907, 2916, 2964, 3116, 3132, 3221, 3296, 3410, 3798, 3811, 3845, 3914–3915, 4109, 4374, 4457
DIBUTYRYL CYCLIC GMP: 2916
DICARBETHOXYDIHYDROCOLLIDINE: 4425
DICHLOROACETATE: 3570
2,4-DICHLOROPHENOXYACETIC ACID: 2065
DICTYOSTELIUM: 655, 2419, 2519, 3432
DIENCEPHALON: 1442, 1721, 1984, 2973, 3349, 3388, 4398
DIESTRUS: 126, 1521, 1755, 1869, 3213, 3938, 4190
DIET: 84, 160, 221, 262, 288, 310, 398, 450, 579, 603, 777–778, 980, 1094, 1140, 1158, 1186, 1387, 1504, 1617, 1894, 1915, 2068, 2260, 2389, 2494, 2858, 2892, 3603, 3712, 3761, 3810–3811, 3837, 3871, 3878, 3883, 3922, 3939, 3967, 4028, 4037, 4098, 4282, 4324
DIET, ATHEROGENIC: 1430, 3058, 3307
DIET, CARIOGENIC: 3051
DIET, REDUCING: 1380, 2191, 3870
DIET, SALT-FREE: 134, 2638, 3882, 4239
DIET THERAPY: 1701, 4188
DIETARY CARBOHYDRATES: 1094, 1504, 1701, 1778, 3280, 3971
DIETARY FATS: 980, 1504, 1716, 1778, 1979, 2120, 2550, 2580, 2784, 3280, 3342, 3971, 4416
DIETARY PROTEINS: 436, 980, 1094, 1504, 1701, 3330, 3777, 4017
DIETHYLCARBAMAZINE: 3166
DIETHYLHEXYL PHTHALATE: 273
DIETHYLNITROSAMINE: 3741
DIETHYLSTILBESTROL: 115, 172, 301, 705, 752, 756, 857, 1617, 2051, 2165, 2320, 2571, 2611, 3546, 4009, 4193, 4532
DIFFUSION: 2133
DIGEORGE SYNDROME: 1415
DIGESTIVE SYSTEM: 3636
DIGITALIS GLYCOSIDES: 3159, 3556
DIGITONIN: 878
DIGOXIN: 311, 2510
DIHYDRALAZINE: 580
DIHYDROERGOCRYPTINE: 2100
DIHYDROERGOTOXINE: 2722, 4473
DIHYDROPROGESTERONE: 1201, 4327
DIHYDROTACHYSTEROL: 1486, 1944
DIHYDROXYCHOLECALCIFEROLS: 160, 398, 407, 488, 604, 637, 682, 856, 974, 1066, 1127, 1241, 1270, 1769, 1930, 2115, 2203, 2293, 2701, 2785, 2835, 2892, 2898, 2919, 3179, 3181, 3297, 3394, 3761, 3796, 3900, 4286, 4351
3,4-DIHYDROXYPHENYLACETIC ACID: 61, 1082, 3230
3,4-DIHYDROXYPHENYLSERINE: 3695
5,6-DIHYDROXYTRYPTAMINE: 710
5,7-DIHYDROXYTRYPTAMINE: 1215, 2332,

2420
DIHYDROXYTRYPTAMINES: 2332, 2420
DIIODOTHYRONINES: 1567–1568, 1636, 2000, 2045
DIIODOTYROSINE: 3425
DILATATION: 1820, 2696
DILATATION AND CURETTAGE: 218
DILATATION, PATHOLOGIC: 3049, 4054
DIMETHOXYPHENYLETHYLAMINE: 2567
DIMETHYL SULFOXIDE: 193, 821, 1047, 1765, 3719
DIMETHYLAMINES: 4372
DIMETHYLAMINOAZOBENZENE: 433–434, 802
9,10–DIMETHYL–1,2–BENZANTHRACEN: 8, 1072, 1100, 2214, 2258, 3828
DIMETHYLHYDRAZINES: 4180
DIMETHYLNITROSAMINE: 3009
DIMETHYLPOLYSILOXANES: 1394
DIMETHYLSTILBESTROL: 1043
DIMETHYLTRYPTAMINE: 314, 1376, 2453
DINITROFLUOROBENZENE: 4144
DINITROPHENOLS: 3042, 3806
DIOXINS: 2838
DIOXOLANES: 3043
DIPHENHYDRAMINE: 3173
DIPHENYLAMINE: 594
DIPHOSPHOGLYCERIC ACIDS: 2060, 2115, 2652
DIPHOSPHONATES: 147, 1261, 2284, 4253
DIPHTHERIA: 3064, 4477
DIPHTHERIA TOXIN: 4144
DIPLOIDY: 807, 4362
DIPLOPIA: 3477
DIPTERA: 3284
DIPYRIDAMOLE: 1192, 1242, 1519, 2488, 4320
DIPYRONE: 3908, 4191
DISACCHARIDES: 1486
DISCRIMINATION (PSYCHOLOGY): 1427
DISEASE: 3447
DISEASE MODELS, ANIMAL: 84, 480, 531, 552, 556, 681, 763, 887, 1192, 1340, 1896, 2427, 2480, 2603, 3205, 3239, 3457, 3761, 3883, 4276, 4431, 4537
DISEASES IN TWINS: 909, 1113, 2041, 4354
DISODIUM CROMOGLYCATE: 1028, 1460, 2543, 3888
DISSECTION: 1552
DISSEMINATED INTRAVASCULAR COAGULATION: 693, 2189, 2442, 4537
DISULFIDES: 2318, 3066
DITAZOL: 1242
DITHIONITROBENZOIC ACID: 2725
DITHIOTHREITOL: 253, 754, 1490, 2725, 4347
DIURESIS: 156, 203, 324, 1284, 1290, 1613, 1998, 2102, 2193, 2768, 2777, 2847, 2922, 3069, 3388, 3584
DIURETICS: 229, 793, 875, 897, 1031, 1433, 1481, 1613, 2327, 2660, 3159, 4275, 4460
DIURETICS, MERCURIAL: 348
DIURETICS, SULFAMYL: 3180
DIURETICS, THIAZIDE: 260, 1613, 1654, 2077, 2327, 3871
DIURNAL RHYTHM: 109, 132, 214, 222, 276, 382, 404, 493, 792, 1454, 1582, 2420, 2461, 2767, 2848, 3100, 3654, 4080
DIVING: 173
DNA: 139, 360, 402, 606, 657, 718, 788, 846, 979, 1182, 1210, 1302, 1513, 1552, 1684, 1819, 1920, 1925, 1942, 2004, 2015, 2104, 2309, 2315, 2459, 2589, 2621, 2855, 3009, 3458, 3512, 3537, 3688, 3703, 3858, 3872, 3941, 4045, 4116, 4165, 4175, 4191–4192, 4271, 4281, 4362
DNA, BACTERIAL: 1348, 3480
DNA, NEOPLASM: 1781, 2753, 3068
DNA NUCLEOTIDYLEXOTRANSFERASE: 396
DNA NUCLEOTIDYLTRANSFERASES: 396
DNA, RECOMBINANT: 2276, 3550
DNA REPAIR: 1210, 3009, 4448
DNA REPLICATION: 606, 960, 1210, 3068
DNA RESTRICTION ENZYMES: 2276
DNA, SATELLITE: 718
DNA, VIRAL: 4116
DOG DISEASES: 64, 747, 1091–1092, 1107, 2985, 3337, 3738, 3756, 4113
DOGFISH: 70, 749
DOGS: 64, 98, 156, 258, 263, 268, 455, 459, 517, 635, 702, 747, 773, 928, 930, 964, 984, 1004, 1064, 1090–1092, 1096, 1107, 1118, 1123, 1139, 1151, 1162, 1189, 1203, 1217, 1284, 1317, 1339, 1352, 1413, 1420, 1514, 1528, 1558, 1592, 1603, 1611, 1615, 1629, 1676, 1687, 1773, 1877, 1892–1894, 1921, 1936, 1959, 1975, 2005, 2067, 2141, 2161–2162, 2215, 2246, 2305, 2322, 2353, 2376, 2389, 2459, 2491, 2511–2512, 2595, 2654, 2670, 2700, 2722, 2828, 2835, 2854, 2886, 2892, 2896, 2928, 2934, 2936, 2976, 2978, 2985–2986, 3079, 3085, 3129, 3132, 3178–3180, 3211, 3218, 3228, 3249, 3268, 3275, 3285–3286, 3307, 3310, 3317, 3337, 3446, 3463, 3598, 3608, 3646, 3694, 3698, 3719, 3738, 3752, 3755–3756, 3859, 3873, 3878, 4034, 4054, 4060, 4090, 4097, 4113, 4224, 4226, 4236, 4276, 4298, 4314, 4320, 4351, 4380, 4404, 4406, 4418
DOM: 2567
DOPA: 542–543, 562, 2005, 2037, 4043
DOPA DECARBOXYLASE: 1108, 1461, 3292, 3303
DOPAMINE: 16, 22, 30, 61, 314, 367, 381, 542–543, 551, 562, 674, 719, 743, 822, 982, 1013, 1034, 1199, 1224–1225, 1292, 1359, 1376, 1462, 1533, 1570, 1577, 1603, 1648, 1682, 1791, 1957, 2047, 2124, 2179, 2248, 2291, 2352, 2489, 2498, 2562, 2702, 2726, 2776, 2881, 2969, 3003, 3012, 3117, 3230, 3262, 3292, 3461, 3470, 3589, 3651, 3686, 3791, 3944, 4070, 4078, 4208, 4233, 4247, 4372
DOPAMINE BETA–HYDROXYLASE: 187, 1084, 1511, 2253, 3399, 3879, 3908, 3986, 4318
DOPPLER EFFECT: 3816
DOSE–RESPONSE RELATIONSHIP, DRUG: 61, 79, 186, 252, 264, 319, 342, 517, 519, 527, 562, 581, 588, 733, 804, 853, 882, 1013, 1017, 1033, 1043, 1046, 1053, 1064, 1136, 1181, 1214–1215, 1219, 1225, 1270, 1284, 1339, 1351, 1390, 1422, 1474, 1501, 1561, 1566, 1633, 1661, 1751, 1755, 1776, 1791, 1890, 1898, 1918, 1940, 2003, 2117, 2150, 2197, 2247, 2297, 2359, 2364, 2409, 2424, 2487–2488, 2493, 2500, 2532, 2561, 2622, 2692, 2741, 2763, 2766, 2898, 2939, 2953, 2970, 2987, 3015, 3043, 3093, 3116, 3127, 3149, 3152, 3211, 3223, 3264, 3286, 3316, 3323, 3344, 3386, 3397, 3410, 3470, 3479, 3499, 3546, 3570, 3608, 3671, 3761, 3840, 3914–3915, 4030, 4194, 4233, 4237, 4318, 4346, 4355, 4359, 4388, 4424, 4478, 4485
DOSE–RESPONSE RELATIONSHIP, IMMUNOLOGIC: 1642, 2290
DOSE–RESPONSE RELATIONSHIP, RADIATION: 181, 1368, 2491, 2753, 2978, 3085, 3720, 3880, 4203
DOUBLE–BLIND METHOD: 580, 730, 736–737, 866, 992, 1071, 1448, 1460, 1906, 1945, 1969, 2252, 2316, 2463, 2714, 2723, 2921, 3308, 3529, 3624, 3769, 3830, 3870, 4002, 4080, 4146, 4301, 4324, 4353, 4446
DOUGLAS' POUCH: 987
DOWN'S SYNDROME: 741, 2236, 2669, 3089, 3818
DOXORUBICIN: 299, 539, 1012, 1242, 1417, 1529, 2728
DRINKING: 404, 831, 2085, 2247, 2647, 3211, 3387, 3583, 3677, 3846–3847
DRINKING BEHAVIOR: 875, 3584–3585
DRIVE: 789
DROMOSTANOLONE: 4368
DROPERIDOL: 2246, 2845
DROSOPHILA: 2382
DROSOPHILA MELANOGASTER: 430, 3124
DROWNING: 1373
DRUG ABUSE: 2019
DRUG ADMINISTRATION SCHEDULE: 115, 182, 739, 1112, 1153, 1324, 1445, 1757, 2105, 2117, 2168, 2572, 3060, 3406, 3647, 3775, 4390, 4433
DRUG ANTAGONISM: 1142, 1338, 2655
DRUG COMBINATIONS: 95, 1039, 1138, 1375, 1561, 1765, 1905, 1969, 2024, 2956, 3171, 3608, 4121
DRUG COMPOUNDING: 1614, 3853
DRUG DEPENDENCE: 886, 2868, 3364
DRUG EVALUATION: 131, 182, 207, 555, 570, 632, 721, 988, 996, 1093, 1138, 1150, 1321, 1341, 1448, 1503, 1652, 1714, 1834, 1906, 1958, 2024, 2109, 2190, 2252, 2316, 2430, 2532, 2536, 2557, 2584, 2921, 2956, 3023, 3101, 3120, 3136, 3148, 3171, 3466, 3647, 3769, 3966, 4080, 4121, 4237, 4368, 4380, 4437, 4500
DRUG HYPERSENSITIVITY: 628, 1437, 1532, 1966, 2342, 3622, 3651
DRUG IMPLANTS: 142, 736–737, 1119, 1394, 3074, 3424
DRUG INFORMATION SERVICES: 2549
DRUG INTERACTIONS: 263, 357, 369, 629, 651, 726, 830, 958, 1057, 1077, 1141, 1268, 1438, 1573, 1629, 1784, 1950, 2064, 2125, 2143, 2207, 2319, 2568, 2622, 2941, 2953, 3048, 3134, 3707, 4207, 4330, 4339
DRUG LABELING: 2200, 2549, 2694, 4502
DRUG RESISTANCE: 511, 595, 745, 1835, 2513, 2532, 3219, 3612, 3796, 3827
DRUG RESISTANCE, MICROBIAL: 2229
DRUG SCREENING: 568, 625, 1781, 2130, 2555, 3023, 3101, 4500
DRUG STABILITY: 188, 460, 684, 901, 1024, 1668, 2170, 2249, 3526
DRUG SYNERGISM: 333–334, 511, 569, 861, 1566, 2130, 2305, 2337, 2795, 2992, 3001, 3116, 3687, 3884
DRUG THERAPY: 17, 553, 938, 1573, 1815, 2236, 2259, 3353, 3545, 3586, 4435
DRUG THERAPY, COMBINATION: 86, 95, 108, 122, 182, 216, 277, 299, 445, 524, 539, 628, 641, 693, 730, 790, 866, 961, 988, 996, 1012, 1019, 1116, 1144, 1268, 1277, 1324, 1346, 1373, 1433, 1529, 1543, 1643, 1652, 1735, 1834, 1884, 1958, 1973, 2023, 2117, 2119, 2334, 2527, 2532, 2536, 2557, 2728, 2783, 2789, 2871, 2933, 2970, 2992, 2999, 3023, 3029, 3072, 3101, 3148, 3267, 3292, 3406, 3519, 3525, 3613, 3647, 3655, 3682, 3751, 3772, 4157, 4188, 4366, 4390, 4418, 4433, 4443, 4514, 4519
DRUG TOLERANCE: 1637, 1791, 3364, 3799, 4148, 4370, 4485
DRUG UTILIZATION: 4323
DRUG WITHDRAWAL SYMPTOMS: 903, 1721, 2055, 2115, 2232, 3230
DRUGS: 17, 594, 938, 1254, 1815, 2788, 3386, 4471
DRY SOCKET: 586, 1960
DUCKS: 152–153, 196, 583, 823, 892, 1660
DUCTUS ARTERIOSUS: 679, 2578, 3135
DUCTUS ARTERIOSUS, PATENT: 85, 2578, 3135
DUODENAL NEOPLASMS: 3520
DUODENAL ULCER: 894, 1342, 4482
DUODENUM: 364, 573, 647, 1342, 1416, 2084, 2296, 2367, 2474, 2748, 2824, 3041–3042, 3047, 3671, 3964, 4242, 4261
DURA MATER: 44, 3970
DWARFISM: 85, 293, 337, 343, 772, 1937, 2094, 2412, 2577, 2730, 3031, 3341, 3955, 4129–4130, 4354
DWARFISM, PITUITARY: 64, 1369, 1612, 2081, 2228, 3834, 4196
DYDROGESTERONE: 3937
DYES: 690, 4179
DYSCHONDROPLASIA: 907
DYSEMBRYOMA: 2546
DYSENTERY, AMEBIC: 1300
DYSGAMMAGLOBULINEMIA: 491, 3539
DYSGERMINOMA: 11, 384, 386, 597, 711, 911, 994, 1073, 1308, 1417, 1621, 1763, 1782, 2157, 2301, 2822, 3075, 3099, 3123, 3493, 3525, 3717, 3751, 4527
DYSKINESIA, DRUG–INDUCED: 687, 2352, 3351
DYSMENORRHEA: 1327, 4040
DYSPAREUNIA: 1327
DYSTOCIA: 2977, 3335, 3841

E

EAR: 575, 1159, 3552
EAR CANAL: 783
EARLY AMBULATION: 1895
EATING: 380, 404, 446, 1633, 2085, 2480, 2588, 3044, 3847, 3870, 4282, 4432
ECDYSONE: 1344, 3994
ECHINOCOCCOSIS: 3902
ECHINOCOCCOSIS, HEPATIC: 3280
ECHOTHIOPHATE IODIDE: 1171
ECLAMPSIA: 2442
ECONOMICS: 500, 3823
ECTODERM: 1078
ECZEMA: 1969, 4301
EDEMA: 491, 893, 1027, 1578, 1882, 2193, 2349, 2812, 3165, 3183, 3370, 3379, 3552, 3607, 3739, 3812, 4350, 4412

EDEMA, CARDIAC: 363
EDROPHONIUM CHLORIDE: 1482
EDTA: 415, 837, 2288, 2365, 2666, 2749, 4240
EDUCATION: 4300
EDUCATION, MEDICAL: 1697
EDUCATIONAL MEASUREMENT: 3670
EELS: 1559, 2439
EFFERENT PATHWAYS: 1807
EGG SHELL: 823, 3698
EGG YOLK: 430
EGGS: 1660
EGTA: 145, 448, 546, 901, 1285, 1715, 2365, 2749, 2904, 4457
5,8,11,14-EICOSATETRAYNOIC ACID: 78
8,11,14-EICOSATRIENOIC ACID: 2029
EJACULATION: 686, 3163, 4058
ELASTIC TISSUE: 2704
ELASTICITY: 579, 944, 1109, 1111
ELASTIN: 2103, 4355
ELBOW: 3224
ELECTRIC CONDUCTIVITY: 448, 951, 1307, 2209, 3174, 3944, 4364
ELECTRIC ORGAN: 2893
ELECTRIC STIMULATION: 21, 35, 109, 186–187, 318, 408, 460, 481, 513, 629, 697, 710, 985, 1042, 1147, 1201, 1233, 1248–1249, 1259, 1334, 1410, 1413, 1618, 1727, 1791, 1859, 2281, 2559, 2645, 3080, 3255, 3387, 3461, 3637, 3759, 3790, 3832, 4077, 4136, 4243, 4302, 4318, 4364, 4379, 4381, 4485
ELECTRICITY: 1457
ELECTROCARDIOGRAPHY: 76, 173, 274, 532, 1502, 1748, 2114, 2383, 3556, 3654, 3830, 3902, 3989, 4226
ELECTROCHEMISTRY: 536, 3259, 4136, 4241
ELECTROCOAGULATION: 3387–3388
ELECTRODES, IMPLANTED: 2585
ELECTROENCEPHALOGRAPHY: 125, 404, 844, 966, 1120, 1249, 1473, 1479, 1502, 1701, 1721, 1730, 1880, 2047, 2217, 2456, 2770, 2883, 2899, 3021, 3156, 3349, 3628, 3654, 3790, 3830, 4136, 4196, 4281
ELECTROLYTES: 183, 291, 382, 1934, 2102, 2224, 2340, 2671, 2868, 3718, 3882
ELECTROMYOGRAPHY: 404, 502, 1755, 2176, 2273, 3654, 4160, 4168
ELECTRON PROBE MICROANALYSIS: 723, 946, 3445
ELECTRON SPIN RESONANCE: 754, 1891, 2942, 3676
ELECTRON TRANSPORT: 58, 3676, 3681
ELECTRONICS: 1927
ELECTROPHORESIS: 253, 1789, 1871, 4398
ELECTROPHORESIS, CELLULOSE ACETATE: 1843
ELECTROPHORESIS, DISC: 2481
ELECTROPHORESIS, POLYACRYLAMIDE GEL: 829, 878, 993, 1625, 1645, 1789, 2261, 2676, 2690, 3190, 3460, 3500, 3859, 3906
ELECTROPHORUS: 2893
ELECTROPHYSIOLOGY: 217, 513, 3080, 3102, 3131
ELECTROSHOCK: 475, 976, 1376, 3055
ELECTROTHERAPY: 2112, 2585, 4297
ELEDOISIN: 2928
ELEMENTS: 4436
ELEPHANTIASIS: 3848
EMACIATION: 100, 1733, 3220
EMBOLISM: 534, 2976, 3556
EMBOLISM, FAT: 3831
EMBOLIZATION, THERAPEUTIC: 4081
EMBRYO: 706, 1326, 1423, 1595, 1766, 2065, 2484, 3469, 3703, 4258, 4334
EMBRYO, NON-MAMMALIAN: 1811, 2644
EMBRYONIC INDUCTION: 503, 3720
EMERGENCIES: 1003, 1341, 2660, 3818, 4017, 4042, 4512
EMOTIONS: 757, 3198
EMPHYSEMA: 600
EMPTY SELLA SYNDROME: 2454, 2470, 3772
EMULSIONS: 1379
ENCEPHALITIS: 36
ENCEPHALITIS, EPIDEMIC: 1796
ENCEPHALOCELE: 2325, 3973
ENDOCARDITIS, BACTERIAL: 41, 2868
ENDOCRINE DISEASES: 340, 446, 712, 874, 1372, 1511, 1578, 1966, 2144, 2283, 2653, 3242, 3447, 3539, 3545, 3590, 4445, 4459
ENDOCRINE GLANDS: 362, 440, 963, 1208, 1342, 1368, 2194, 2206, 2384, 2671, 3238, 3378, 3636, 3694, 3767, 3799, 3905
ENDOCRINOLOGY: 4, 2682, 2924, 2958
ENDOCYTOSIS: 2222
ENDOMETRIAL HYPERPLASIA: 115, 1726, 1981, 3861
ENDOMETRIOSIS: 48, 468, 1170, 1176, 1327, 1497, 2649, 3514, 4219, 4245
ENDOMETRITIS: 662, 2256, 3336
ENDOMETRIUM: 427, 505, 768, 857, 896, 1044, 1131, 1138, 1239, 1453, 1455, 1581, 1617, 1625, 1726, 1804, 1812, 2049, 2326, 2765, 3057, 3131, 3261, 3357, 3403, 3600, 4049, 4124
ENDOPLASMIC RETICULUM: 38, 297, 383, 484, 943, 1036, 1314, 1405, 1576, 1829, 1887, 1949, 2435, 2595, 3426, 3566, 3774
ENDORPHINS: 60, 82, 90, 184, 269, 315, 318, 330, 372, 392, 460, 588, 755, 843, 881, 890, 957, 998, 1147, 1250, 1338, 1361, 1418, 1440, 1446, 1474, 1505, 1655, 1666, 1768, 1791, 1907, 2281–2282, 2409, 2448, 2480, 2585, 2607, 2700, 2750, 2770, 3022, 3097, 3489, 3527, 3666, 3821, 3860, 4050, 4135, 4148, 4233, 4274, 4393
ENDOSCOPY: 3095
ENDOTHELIUM: 713, 1649, 1756, 2831, 2840, 3045, 3246, 3604, 3664, 3794, 4095, 4293
ENDOTOXINS: 96, 713, 1217, 1281, 1550, 1673, 2605, 3573, 3784, 3949
ENEMA: 1701
ENERGY METABOLISM: 179, 194, 444, 446, 934, 980, 1942, 2494, 3383, 3870, 4024, 4470
ENERGY TRANSFER: 3489
ENKEPHALINS: 60, 82, 184, 318, 330, 392, 431, 460, 472, 592, 755, 881, 890, 957, 1199, 1235, 1418, 1440, 1446, 1474, 1505, 1650, 1666, 1706, 1768, 2153, 2281, 2356, 2409, 2448, 2607, 2770, 2856, 3097, 3489, 3527, 3860, 4050, 4233
ENTERITIS: 3862
ENTERITIS, REGIONAL: 1611, 2196
ENTEROCHROMAFFIN CELLS: 35, 1416, 2016–2017, 3602, 4482
ENTEROGLUCAGON: 2381
ENTEROTOXINS: 1661, 3273, 4164, 4303
ENURESIS: 4080
ENVIRONMENT: 153, 3185
ENVIRONMENT, CONTROLLED: 1384, 2405
ENVIRONMENTAL EXPOSURE: 339, 519, 2484, 3126, 3983, 4218
ENVIRONMENTAL POLLUTANTS: 2065, 2484
ENVIRONMENTAL POLLUTION: 3014
ENZYME ACTIVATION: 14, 24, 69, 74, 168, 233, 255, 266, 300, 358, 518, 526, 598, 617, 642, 659, 669, 754, 842, 918, 1089, 1133, 1193, 1245, 1285, 1304, 1382, 1441, 1491, 1494, 1539, 1591, 1657, 1674, 1696, 1778, 1836, 1846, 1869, 1871, 1923, 2145, 2160, 2269, 2287, 2331, 2448, 2618, 2670, 2690, 2693, 2744, 2766, 2841–2842, 2911, 2934, 3094, 3129, 3186, 3287, 3296, 3302, 3410, 3429, 3499, 3501, 3540, 3720, 3856, 3891, 3906, 3942, 4164, 4172, 4181, 4197, 4209, 4312, 4374, 4388, 4518
ENZYME INDUCTION: 123, 261, 402, 508, 1191, 1454, 1492, 1565, 1573, 2125, 2408, 2426, 2523, 2541, 2680, 2838, 3295, 3695, 3797, 3922, 3986, 4425, 4427, 4457
ENZYME INHIBITORS: 61, 240, 402, 1541, 1657, 3862
ENZYME-LINKED IMMUNOSORBENT ASSAY: 2932
ENZYME PRECURSORS: 4518
ENZYME REPRESSION: 508, 1348, 1492, 4087, 4254
ENZYME TESTS: 1871, 2927, 3568, 4451
ENZYMES: 382, 656, 1091, 1348, 3494, 3500, 3707, 3752
ENZYMES, IMMOBILIZED: 1245, 3494
EOSINOPHILIA: 609
EOSINOPHILIC GRANULOMA: 2470, 3362
EOSINOPHILS: 162, 1434, 2377, 3624
EPENDYMA: 3808
EPENDYMOMA: 2228, 4255
EPHEDRINE: 2101, 4384
EPICILLIN: 2623
EPIDEMIOLOGIC METHODS: 115, 3153
EPIDERMAL CYST: 80
EPIDERMAL GROWTH FACTORS: 971, 1595, 3497
EPIDERMAL NECROLYSIS, TOXIC: 3177
EPIDERMIS: 1173
EPIDIDYMIS: 3, 57, 273, 465, 940, 986, 1450, 1658, 1663–1664, 1873, 2884, 3299, 3473, 4142, 4204
EPIDIDYMITIS: 699, 4079
EPIDURAL SPACE: 1303, 2407, 3123
EPILEPSY: 1479, 1564, 1587, 3021, 3539, 4370
EPILEPSY, TEMPORAL LOBE: 2819
EPILEPSY, TRAUMATIC: 2925
EPINEPHRINE: 79, 174, 212, 279, 367, 425, 599, 642, 734, 849, 901, 980, 1188, 1306, 1330, 1525, 1553, 1713, 1754–1755, 1923, 2037, 2142, 2164, 2197, 2246, 2254, 2279, 2288, 2292, 2399, 2446, 2645, 2852, 2888, 2897, 2923, 2964, 3086, 3127, 3137, 3239, 3264, 3287, 3320, 3322, 3667, 3695, 3770, 3778, 3984, 4003, 4034, 4043, 4137, 4242, 4364, 4384, 4395, 4481
EPIPHYSES: 407, 1963, 3502
EPITESTOSTERONE: 4406
EPITHELIUM: 120, 573, 642, 694, 803, 821, 846, 1036, 1130, 1226, 1234, 1344, 1371, 1560, 1918, 2016–2017, 2096, 2127, 2468, 2496, 2597, 2765, 2803, 2846, 2959, 3045, 3085, 3326, 3553, 3714, 3855, 3905, 4116, 4185, 4413
EPOXIDE HYDRATASES: 2712
EPOXY COMPOUNDS: 3963
EPOXYTRICHOTHECENES: 1294
EQUILENIN: 1951, 2177
EQUILIBRIUM: 1375
ERGOCALCIFEROL: 939, 3046, 3796
ERGOCRYPTINE: 717, 2662
ERGOLINES: 3303
ERGONOVINE: 1132, 3072
ERGOSTEROL: 107, 3954
ERGOT ALKALOIDS: 4070
ERGOTAMINE: 136, 791, 2197
ERGOTOXINE: 717, 2050
ERYTHEMA: 1385, 1616, 1647, 3134
ERYTHEMA MULTIFORME: 2379
ERYTHRITOL: 3132
ERYTHROBLASTOSIS, FETAL: 429, 491
ERYTHROBLASTS: 634, 3917, 4156
ERYTHROCYTE AGGREGATION: 1919, 2061
ERYTHROCYTE COUNT: 4062, 4112, 4475
ERYTHROCYTE MEMBRANE: 201, 546, 865, 1109, 1494, 1866, 1897, 1924, 2061, 2269, 3125, 3190, 3273, 3287, 3660, 4209, 4342
ERYTHROCYTE VOLUME: 4478
ERYTHROCYTES: 286, 546, 814, 858, 865, 988, 1109, 1118, 1239, 1494, 1647, 1866, 1897, 1905, 1919, 1924, 2060–2061, 2115, 2142, 2357, 2512, 2652, 3398, 3983, 4062, 4189, 4209, 4400
ERYTHROLEUKEMIA: 2354
ERYTHROPOIESIS: 256, 1118, 1139, 4478
ERYTHROPOIETIN: 461, 1118, 1139, 3531, 4478
ERYTHROSINE: 2087
ESCAPE REACTION: 102, 1384, 4485
ESCHERICHIA COLI: 117, 416, 681, 1565, 1623, 1642, 1661, 2196, 2276, 3273, 3480, 3550, 4164, 4254, 4303, 4314, 4427
ESCHERICHIA COLI INFECTIONS: 96, 3273
ESOPHAGEAL PERFORATION: 2696
ESOPHAGEAL VARICES: 600, 2626
ESOPHAGOGASTRIC JUNCTION: 798, 2626
ESOPHAGUS: 798, 803
ESTERASES: 3500
ESTERIFICATION: 3711
ESTERS: 3711, 3954
ESTETROL: 165, 2151, 3594
ESTRADIOL: 15, 26, 114, 120, 142, 170, 172, 263, 283, 285, 300–301, 346, 355, 360, 411, 485, 494, 498, 505, 508–510, 571, 611, 633, 667, 705, 746, 749, 790, 825, 827, 865, 888, 892, 899, 916, 950, 1004, 1021–1022, 1043, 1050, 1075, 1080, 1117, 1119, 1131, 1138, 1157, 1181, 1191, 1201, 1227, 1239, 1247, 1257, 1272, 1296, 1306, 1315, 1386, 1394, 1407, 1423, 1431, 1453, 1496, 1501, 1503, 1521–1522, 1545, 1581, 1617, 1619, 1622, 1686, 1688, 1703–1704, 1729, 1741, 1751, 1781, 1798, 1857, 1884, 1888, 1933, 1941, 1948, 1957, 1962, 1984, 1993, 2051, 2066, 2091, 2106, 2127, 2147–2148, 2156, 2165, 2167, 2177, 2179–2181, 2233, 2250, 2297, 2304, 2320, 2324, 2374, 2388, 2493, 2496, 2516–2517, 2576, 2582, 2588, 2609, 2612, 2649, 2676, 2706, 2708, 2735, 2737, 2752, 2754, 2765, 2806, 2810, 2845, 2852, 2953, 3024, 3056–3057, 3061, 3072, 3105, 3138, 3194, 3201–3202, 3213, 3235, 3249, 3265, 3311, 3323, 3327, 3344, 3348, 3358, 3360, 3381, 3408, 3411, 3433, 3490, 3504, 3516, 3530, 3548, 3560, 3597, 3612, 3663, 3708, 3724, 3770, 3787, 3797, 3805,

3807, 3838, 3852–3853, 3855–3856, 3859, 3872, 3907, 3937, 3947, 3958–3959, 3968, 3976, 3985, 3991, 4002, 4015, 4018, 4035, 4092, 4096, 4111, 4124, 4150, 4165, 4185, 4216, 4248, 4258, 4283, 4308, 4329, 4340, 4404, 4423, 4432
ESTRADIOL ANTAGONISTS: 666, 2708, 3056, 4150
ESTRADIOL DEHYDROGENASES: 4049
ESTRAMUSTINPHOSPHATE: 120, 1151
ESTRANES: 2177
ESTRENES: 1646, 3396, 4175
ESTRIOL: 39, 165, 188, 289, 389, 564, 632, 656, 790, 855, 1296, 1328, 1365, 1665, 1741, 2025, 2151, 2156, 2219, 2234, 2374, 2452, 2516, 2765, 2853, 3036, 3107, 3400, 3487, 3594–3595, 3663, 3667, 4403
ESTROGEN ANTAGONISTS: 1075, 1614, 1781, 1922, 2250, 3056
ESTROGENIC SUBSTANCES, CONJUGATED: 74, 115, 752, 2148, 2200, 2296
ESTROGENS: 2, 23, 46, 74, 101, 108, 115–116, 131, 165–166, 215, 288, 301, 345, 361, 369, 401, 412, 485, 509, 554, 586, 612, 667, 673, 676, 689, 705, 708, 749, 752, 756, 789, 900, 920, 938, 977, 992, 997, 1029, 1070, 1087, 1119, 1181, 1201, 1209, 1267, 1295, 1302, 1453, 1497, 1504, 1534, 1597, 1677, 1755, 1782, 1818, 1823, 1844, 1872, 1981, 2069, 2075, 2143, 2177–2178, 2200, 2208, 2238–2239, 2241, 2304, 2308, 2361, 2391, 2418, 2472, 2478, 2500, 2538, 2555, 2583, 2593, 2611, 2645, 2737, 2765, 2862, 2864, 2918, 3008, 3054, 3063, 3104, 3140, 3234–3235, 3261, 3272, 3319, 3346–3348, 3357, 3385, 3466, 3495, 3531, 3546, 3592, 3644, 3663, 3674, 3682, 3702, 3805, 3861, 3897, 3929, 3938, 3951, 3976, 4002, 4007, 4188, 4193, 4205, 4216, 4356, 4371, 4398, 4414, 4515, 4530, 4532, 4534
ESTROGENS, SYNTHETIC: 263, 752, 1339, 1561, 1922, 2200, 2250, 2411, 2582, 2645, 3348, 3491, 3615, 4049, 4330, 4517
ESTRONE: 15, 20, 26, 355, 485, 505, 571, 760, 1006, 1054, 1146, 1201, 1394, 1453, 1751, 2148, 2263, 2296, 2374, 2452, 2490, 2495, 2516, 2706, 2879, 3061, 3079, 3105, 3348, 3504, 3663, 3872, 3976, 3991
ESTRUS: 18, 126, 143, 161, 325, 367, 414, 475, 495, 584, 666, 1036, 1075, 1080, 1123, 1224, 1364, 1384, 1455, 1521–1522, 1581, 1589, 1594, 1618, 1626–1627, 1755, 1809, 1933, 2012, 2100, 2132, 2405, 2588, 2688, 2747, 2846, 2926, 2931, 2957, 2962, 2982, 3176, 3193–3194, 3204, 3249, 3264, 3272, 3336, 3349, 3384, 3606, 3755, 3910, 3938, 3976–3977, 3985, 4051, 4114, 4190, 4216, 4272, 4280, 4332
ESTRUS SYNCHRONIZATION: 2957, 3193
ETHACRYNIC ACID: 2327
ETHAMIVAN: 2101
ETHAMSYLATE: 1903
ETHANOLAMINES: 3228
ETHER, ETHYL: 2021, 2941
ETHERS, CYCLIC: 3963
ETHICS, MEDICAL: 2236
ETHIDIUM: 3644
ETHINYL ESTRADIOL: 95, 705, 866, 869, 1181, 1339, 1350, 1375, 1561, 1614, 1881, 1988, 2304, 2478, 2540, 2611, 2683, 2956, 3140, 3346, 3348, 3380, 4519
ETHMOID SINUS: 2311
ETHNIC GROUPS: 202, 2858, 3551
ETHOSUXIMIDE: 4077
ETHYL METHANESULFONATE: 1182
ETHYLENE GLYCOLS: 2726
ETHYLENES: 3167
ETHYLENETHIOUREA: 1186
ETHYLMALEIMIDE: 432, 3041, 4376
ETHYLMORPHINE: 1188, 4132
ETHYLMORPHINE-N-DEMETHYLASE: 802, 1402
ETHYLNITROSOUREA: 1182
ETHYNODIOL DIACETATE: 1614, 3173, 3600
ETIOCHOLANOLONE: 1999, 2385, 3053, 4002
ETORPHINE: 2770, 4233
EUKARYOTIC CELLS: 718
EVALUATION STUDIES: 151, 765, 969, 1145, 1265, 1412, 1514, 1838, 1996, 2053–2054, 2164, 2277, 2499, 2663, 3308, 3455, 3988, 4307, 4313, 4402
EVANS BLUE: 1044, 2048
EVOKED POTENTIALS: 985, 1136, 1248–1249, 1334, 1446, 1482, 2047, 2596, 3759, 3830, 4160, 4196, 4281, 4381
EVOLUTION: 614, 718, 807, 905, 2382, 3698, 3866
EXCHANGE TRANSFUSION: 473, 1488, 4017
EXERCISE TEST: 278
EXERCISE THERAPY: 1477
EXERTION: 173, 258, 338, 446, 934, 1002, 1602, 1694, 2048, 2485, 2638, 3059, 3399, 3554, 3766, 3778, 4357, 4434
EXOCRINE GLANDS: 823
EXOCYTOSIS: 186–187, 3089, 3524, 4274
EXOPHTHALMOS: 373, 1734, 2311, 2859, 3257, 3452, 3973, 4161, 4290, 4385, 4529
EXOTOXINS: 3273, 3498
EXPECTORANTS: 4384
EXPLORATORY BEHAVIOR: 1104
EXTINCTION (PSYCHOLOGY): 1727
EXTRACELLULAR SPACE: 145, 455, 528, 875, 1189, 1292, 2048, 2161–2162, 2209, 2530, 2666, 2917, 3033–3034, 3460, 3521, 3607, 3812, 4099, 4118, 4364
EXTRACORPOREAL CIRCULATION: 4017, 4421
EXTRACTION, OBSTETRICAL: 2849
EXTRAMARITAL RELATIONS: 4027
EXTREMITIES: 85, 213, 502–503
EXUDATES AND TRANSUDATES: 2812, 3902
EYE: 719, 852, 1108, 2032, 2348, 3112, 3197, 4229, 4290
EYE BURNS: 917
EYE COLOR: 3869
EYE DISEASES: 272, 794, 1112, 1171, 1437, 1801, 2096, 2348, 2859, 3665, 4290
EYE MANIFESTATIONS: 567, 1587, 2859
EYE MOVEMENTS: 1734, 3876
EYE NEOPLASMS: 232, 1210, 3619
EYELID DISEASES: 501, 3477
EYELIDS: 3477

F

FACE: 1041, 2341, 2729–2730, 3245
FACIAL ASYMMETRY: 4508
FACIAL BONES: 478
FACIAL DERMATOSES: 3622
FACIAL NEOPLASMS: 4508
FACIAL PARALYSIS: 2273
FACTOR V: 3601
FACTOR X: 4246
FACTOR XIII: 439
FACTOR ANALYSIS, STATISTICAL: 1620
FAD: 3930
FALLOPIAN TUBES: 428, 768, 1009, 1036, 1080, 1131, 1617, 1804, 1825, 2155, 2256, 2468, 2551, 2645, 3231, 3514, 3722, 3838, 3962, 4469
FALSE NEGATIVE REACTIONS: 320
FALSE POSITIVE REACTIONS: 320, 1647, 2262
FAMILY: 417
FAMILY CHARACTERISTICS: 376
FAMILY PLANNING: 709, 1138, 1619, 1700, 2806, 3346
FAMILY PRACTICE: 1700, 2024
FANCONI SYNDROME: 2189, 2312, 2915, 3650
FANCONI'S ANEMIA: 1210
FASCIA: 609
FASCIOLA HEPATICA: 2841–2842
FASTING: 141, 183, 497, 934, 1222, 1454, 1774, 3127, 3232, 3342, 3715, 4373
FAT EMULSIONS, INTRAVENOUS: 4042
FATIGUE: 2160, 4160
FATS: 713
FATTY ACIDS: 107, 179, 321, 331, 1716, 2202, 2402, 2550, 2821, 2906, 3216, 3342, 3573, 3916, 4137, 4416
FATTY ACIDS, ESSENTIAL: 2476
FATTY ACIDS, NONESTERIFIED: 55, 113, 521, 540, 799, 854, 934, 1174, 1177, 1312, 1483, 1549, 1740, 2029, 2392, 2414, 2485, 2550, 2565, 2767, 2907, 3419, 3471, 3920, 3984, 4125, 4421
FATTY ACIDS, UNSATURATED: 2029, 2580
FATTY ACIDS, VOLATILE: 3450
FATTY LIVER: 1949
FATTY LIVER, ALCOHOLIC: 2921
FECES: 2260, 2353, 2361, 2510, 2784, 2986, 3462, 3874, 3886
FEEDBACK: 30, 211, 807, 1021, 1174, 1901, 2562, 2609, 2686, 2862, 2898, 2987, 3074, 4329, 4349
FEEDING BEHAVIOR: 21, 240, 276, 380, 1243, 1955, 2480, 3584
FELYPRESSIN: 3320
FEMINIZATION: 2154, 4459
FEMORAL FRACTURES: 973, 1865, 3955
FEMORAL NECK FRACTURES: 4286
FEMUR: 692, 1126, 1356, 1388, 1457, 1676, 2605, 2834, 3309, 3358, 3463
FEMUR HEAD NECROSIS: 3128
FENFLURAMINE: 221, 540, 839, 1243, 1292, 1633
FENITROTHION: 1900
FENOPROFEN: 791, 3135
FENTANYL: 843, 1483, 1585
FERREDOXIN-NADP REDUCTASE: 3588
FERREDOXINS: 1891
FERRETS: 1589
FERRICYANIDES: 754, 1008, 2105, 2244, 3067
FERRITIN: 3626, 4095
FERROUS COMPOUNDS: 3216
FERTILITY: 161, 166, 202, 512, 616, 715, 808, 935, 1449, 1660, 2466, 2957, 3188, 3424, 3473, 3485, 3849, 4091, 4104, 4204
FERTILITY AGENTS, FEMALE: 4391
FERTILITY AGENTS, FEMALE, SYNTHETIC: 4391
FERTILIZATION: 166, 512, 541, 935, 1007, 1811, 3756
FETAL BLOOD: 15, 150, 223, 349, 781–782, 872, 995, 1322, 1631, 1712, 1741, 1794, 1913, 2293, 2425, 2634, 2716, 2821, 2935, 3234, 3392, 3595, 3663, 4029, 4100, 4133, 4288
FETAL DEATH: 10, 166, 438, 662, 871, 1404, 2094, 2151, 2436, 3400, 3449, 3469, 4403
FETAL DISEASES: 2151, 2608, 2727, 3183, 3586, 4403
FETAL DISTRESS: 116, 2151, 2234, 2849, 3580
FETAL GROWTH RETARDATION: 165, 656, 1991, 2094, 3036, 3107, 3314, 3730, 3885, 3995
FETAL HEART: 1047, 2391, 2849, 3036, 3107, 3580, 4441
FETAL HEMOGLOBIN: 75
FETAL MEMBRANES: 3538, 4061
FETAL MEMBRANES, PREMATURE RUPTURE: 192, 593
FETAL MONITORING: 116, 753, 2391, 2711, 3036, 3580, 4441, 4488
FETAL RESORPTION: 3035
FETOFETAL TRANSFUSION: 491
FETOMATERNAL TRANSFUSION: 429
FETUS: 2, 17, 224, 269, 317, 349, 427, 535, 593, 662, 685, 753, 854, 876, 880, 992, 1133, 1267, 1449, 1458, 1741, 1794, 1815, 1913, 1940, 2293, 2415, 2425, 2484, 2711, 2756, 2838, 3035, 3063, 3066, 3135, 3314, 3325, 3425, 3555, 3586, 3794, 3799, 3825, 3885, 3995, 4007, 4122, 4150, 4191, 4356, 4423, 4488, 4531
FEVER: 28, 154, 621, 630, 1185, 2371, 2437, 3490, 3675, 3784
FIBER OPTICS: 1011
FIBRIN: 1657, 4174
FIBRIN FIBRINOGEN DEGRADATION PRODUCTS: 112, 1513
FIBRINOGEN: 130, 1406, 3546
FIBRINOLYSIN: 523, 1657, 2318, 2911, 4518
FIBRINOLYSIS: 439, 586, 2326, 4174
FIBRINOLYTIC AGENTS: 938
FIBROBLASTS: 492, 815, 2595, 2719, 3152, 3497, 3714, 4362, 4369, 4454
FIBROIN: 3412
FIBROMA: 2657
FIBROSARCOMA: 316
FIBULA: 3341
FIGLU TEST: 3325
FILTRATION: 1202, 3521
FINANCING, GOVERNMENT: 553
FINGERS: 2577, 3955
FISH PRODUCTS: 2732
FISHES: 423, 1771, 1942, 2973, 2984, 3118, 3698, 3944, 4426, 4442
FIXATIVES: 529, 3097, 3774
FLAME IONIZATION: 1122
FLAVONES: 402, 1863, 2110, 4362
FLAVOPROTEINS: 3431, 3681
FLIES: 537, 3737, 3994
FLIGHT, ANIMAL: 537, 3737
FLUDROCORTISONE: 217, 2619, 3029, 3930, 4183
FLUID THERAPY: 490, 1349
FLUMETHASONE: 3769

FLUOCINOLONE ACETONIDE: 611, 1969, 2316, 3529
FLUOCINONIDE: 1969
FLUOCORTOLONE: 1403, 2187, 3769
FLURENES: 803, 3917
FLUORESCEIN ANGIOGRAPHY: 1188
FLUORESCEINS: 2945
FLUORESCENCE: 631, 1232, 1598, 1838, 1887, 1951, 4471
FLUORESCENT ANTIBODY TECHNIC: 130, 269, 493, 940, 979, 1048, 1493, 1650, 1768, 2165, 2312, 2846, 3010, 3045, 3460, 3527, 3814, 3912, 3951, 4178, 4227
FLUORESCENT DYES: 902, 3497
FLUORIDES: 14, 69, 358, 518, 579, 1087, 1143, 1258, 1491, 1715, 2019, 2331, 2464, 3186, 3499, 3534, 3746
FLUORINE: 242, 1656
FLUOROMETRY: 1609, 2257
FLUOROURACIL: 360, 445, 1652, 2728, 3703, 4433
FLUOXETIN: 102, 720, 1215, 1292, 2248, 2568
FLUOXYMESTERONE: 4514
FLUPENTHIXOL: 730, 3189
FLURBIPROFEN: 3029
FLUROTHYL: 1376
FLUROXENE: 440
FOLIC ACID: 83, 122, 3295, 3325, 3531
FOLIC ACID DEFICIENCY: 2378, 3325
FOLLOW-UP STUDIES: 31, 48, 86, 142, 332, 406, 524, 603, 790, 886, 991, 1045, 1143, 1564, 1611, 1686, 1827, 1870, 1902, 1929, 2027, 2072, 2096, 2109, 2113, 2379, 2386, 2407, 2436, 2532, 2566, 2695, 2809, 2880, 2883, 2903, 2992, 3006, 3248, 3278, 3290, 3427, 3486, 3493, 3701, 3898, 3979, 4012, 4042, 4069, 4483, 4516
FOOD: 1905
FOOD ANALYSIS: 3325
FOOD CONTAMINATION: 1904
FOOD CONTAMINATION, RADIOACTIVE: 2984
FOOD DEPRIVATION: 1410, 2125, 3791
FOOD, FORTIFIED: 199, 1574
FOOD HANDLING: 3536
FOOD HYPERSENSITIVITY: 2543
FOOD MICROBIOLOGY: 2732
FOOD-PROCESSING INDUSTRY: 1668
FOOT: 419
FOOT DERMATOSES: 3305
FORCED EXPIRATORY VOLUME: 3624
FOREHEAD: 1552
FOREIGN BODIES: 3662
FOREIGN BODY REACTION: 2133, 3257
FORENSIC MEDICINE: 3196
FORMALDEHYDE: 1598
FORMIC ACIDS: 3912
FORMIMINOGLUTAMIC ACID: 3295
FOUNDATIONS: 4486
FOXES: 401, 1569, 2106
FRACTIONATION: 686, 2187
FRACTURE FIXATION, INTERNAL: 2140
FRACTURE FIXATION, INTRAMEDULLARY: 742, 3268
FRACTURES: 702, 777–778, 1457, 1795, 1865, 2743, 3083, 3309, 3718, 3955
FRACTURES, CLOSED: 3955
FRACTURES, SPONTANEOUS: 1179, 1968
FREE RADICALS: 74, 2142, 3125, 4118
FREEMARTINISM: 1849
FREEZE DRYING: 1609
FREEZE ETCHING: 1756
FREEZE FRACTURING: 1257, 1524, 2222, 3426, 3524
FREEZING: 1947, 2460, 2724, 2934, 3052, 3108, 4047, 4233, 4468
FRIEDREICH'S ATAXIA: 957
FRIEND VIRUS: 2354
FRIGIDITY: 566, 3236
FROGS: 348, 425, 620, 636, 953, 1217, 1462, 1704, 1748, 1879, 2245, 2269, 2680, 2758, 3034, 3422, 3431, 3522, 3567, 3644, 3760, 3797, 3806, 4073
FRONTAL BONE: 2730
FRONTAL LOBE: 2314
FROZEN SECTIONS: 1265, 1947, 2724
FRUCTOSE: 416, 694, 1026, 2189, 2804, 3573, 3863
FRUCTOSE INTOLERANCE: 2189
FRUCTOSEDIPHOSPHATE ALDOLASE: 2189, 2945, 3617
FRUCTOSEDIPHOSPHATES: 2652, 2964
FSH: 1, 14, 20, 92, 100, 142–143, 230, 294, 345, 367, 369, 548–549, 584, 612, 694, 730, 761–762, 806, 819, 825, 847, 910, 950, 1004, 1128, 1164, 1236, 1272, 1301, 1315–1316, 1327, 1386, 1467, 1500, 1503, 1517, 1566, 1582, 1618, 1627, 1648, 1651, 1677, 1686, 1751, 1784–1785, 1806, 1884, 1914, 1962, 1970–1971, 2012, 2049, 2081, 2091, 2107–2108, 2167, 2169, 2179, 2199, 2263, 2274, 2297, 2304, 2317, 2325, 2337, 2369, 2429, 2466, 2540, 2599, 2686, 2769, 2799, 2804, 2806, 2848, 2858, 2862, 2865, 2874, 2881, 2930, 3020, 3157, 3191, 3213, 3232, 3249, 3263, 3272, 3282, 3326, 3344, 3360, 3368, 3380, 3411, 3420, 3472, 3479, 3485, 3487, 3504, 3515, 3530, 3606, 3771, 3805, 3813, 3860, 3907, 3909, 3937, 3958–3960, 4015, 4022, 4051, 4065, 4096, 4104, 4188, 4213, 4248–4250, 4411
FUCHSIN: 2704
FUCOSE: 1076, 2410, 3066, 3275
FUMARATES: 2270
FUNDUS OCULI: 1014, 2581
FUNGAL PROTEINS: 1165
FURANS: 284
FUROSEMIDE: 180, 1325, 1613, 1757, 1764, 1792, 2327, 2638, 2828, 2832, 3778, 3882, 3988, 4023, 4107
FUSARIUM: 1294, 3726
FUTUROLOGY: 532

G

GABA: 16, 356, 592, 861, 951, 1034, 1461–1462, 1776, 2352, 2562, 3149, 3184, 3262, 3292, 4084
GALACTORRHEA: 717, 938, 1196, 1717, 2341, 2507, 3574, 3615, 3803, 4018, 4435, 4453, 4473
GALACTOSE: 312
GALACTOSIDASES: 1492, 4087, 4254, 4427
GALACTOSYLCERAMIDES: 827
GALLBLADDER: 567, 2296
GALLBLADDER DISEASES: 2200
GALLBLADDER NEOPLASMS: 3459
GALLIC ACID: 3296
GALLIUM: 2484
GALLIUM RADIOISOTOPES: 1557, 1927, 2347, 4378
GALVANIC SKIN RESPONSE: 1427, 4169
GAMMA GLOBULIN, 7S: 2090
GAMMA GLOBULINS: 3841, 3912
GAMMA RAYS: 176, 181, 873, 1516, 3085, 3720, 3880, 4400
GANGLIA: 1414, 4439
GANGLIA, AUTONOMIC: 513, 890, 1650, 1887, 2186, 2240, 3527, 3709, 3774, 4103, 4243, 4247, 4439
GANGLIA, BASAL: 1235, 1867
GANGLIA, SPINAL: 890, 951, 1033, 1650, 2541, 3774, 4229
GANGLIONEUROMA: 567, 3909
GANGLIOSIDES: 3540
GANGRENE: 2135
GASOLINE: 2484
GASTRECTOMY: 1611, 1733, 3610
GASTRIC EMPTYING: 4333
GASTRIC INHIBITORY POLYPEPTIDE: 3694, 3860
GASTRIC JUICE: 578, 894, 984, 1342, 1416, 1975, 2067, 2190, 3610, 3940, 4074, 4482
GASTRIC LAVAGE: 2161
GASTRIC MUCOSA: 635, 930, 1342, 1416, 1975, 2002, 2067, 2190, 2305, 2543, 3671, 3704, 3757, 4074, 4319, 4482
GASTRINS: 397, 591, 798, 894, 1256, 2013, 2226, 2684, 3672, 4187
GASTRITIS: 600
GASTROENTERITIS: 4528
GASTROINTESTINAL DISEASES: 288, 340, 938, 1611, 2543, 3095
GASTROINTESTINAL HORMONES: 387, 984, 1256, 1342, 3097, 3189, 3301, 3377, 3417, 3694, 3757, 3860
GASTROINTESTINAL MOTILITY: 1611, 2067, 2543, 3428
GASTROINTESTINAL NEOPLASMS: 597, 955, 1083, 1198, 2967, 3757, 4081
GASTROINTESTINAL SYSTEM: 270, 513, 567, 681, 955, 1007, 1208, 1650, 2289, 2886, 3428, 3602, 4017, 4203
GEESE: 2848
GEL DIFFUSION TESTS: 1657, 2060, 2318, 2408, 2838, 2967, 3334, 3392, 3540, 4149, 4399
GELATIN SPONGE, ABSORBABLE: 347
GELS: 4195, 4353
GENDER IDENTITY: 978, 3815
GENE FREQUENCY: 1856, 2710
GENES: 377, 503, 1825, 1987, 2877, 4228
GENES, DOMINANT: 125, 176, 428, 810, 4085
GENES, LETHAL: 176
GENES, RECESSIVE: 125, 1041, 2194, 3710
GENES, REGULATOR: 2382, 3480, 4345
GENES, STRUCTURAL: 206, 745, 1081, 2895, 3288, 3347, 3550
GENES, VIRAL: 4346
GENETIC COUNSELING: 3818
GENETIC SCREENING: 753, 3078
GENETICS: 1404
GENETICS, BIOCHEMICAL: 253, 606
GENETICS, MICROBIAL: 2591
GENICULATE BODIES: 861
GENITAL DISEASES, FEMALE: 2256, 2466, 3804, 4188, 4343, 4451
GENITAL DISEASES, MALE: 699, 2815, 3282
GENITAL NEOPLASMS, FEMALE: 332, 1327, 1817, 3403, 3496, 4149, 4245, 4451
GENITAL NEOPLASMS, MALE: 2262
GENITALIA: 1825, 1849, 4268, 4356
GENITALIA, FEMALE: 2, 91, 414, 1293, 2439, 3349, 3968
GENITALIA, MALE: 2, 72, 847, 1658, 1664, 2271, 2460, 2531, 2611, 3282, 3424, 3960, 4105
GENOTYPE: 240, 318, 508, 1994, 3124, 3449, 4228
GERBILS: 900, 4295
GERIATRICS: 199, 838, 3742
GERM CELLS: 1825
GERM-FREE LIFE: 838, 3636
GERM LAYERS: 1825, 2877
GERMANIUM: 1927
GESTATIONAL AGE: 2, 15, 29, 150, 227, 679, 880, 1322, 1423, 1458, 1530, 1766, 1794, 1848, 1940, 1952, 1972, 2151, 2169, 2234, 2435, 2558, 2646, 2711, 2727, 2778, 2826, 3036, 3063, 3200, 3314, 3423, 3425, 3538, 3666, 3720, 3794, 3942, 3995, 4334
GESTONORONE CAPROATE: 1093, 4069
GIANT CELL TUMORS: 373, 3161
GIGANTISM: 149, 2996, 4445
GILLES DE LA TOURETTE'S DISEASE: 2059
GILLS: 1559, 3088
GINGIVA: 1960, 1966
GINGIVAL DISEASES: 1006, 1960, 1966
GINGIVAL EXUDATE: 1960
GINGIVITIS: 1872, 1966
GIZZARD: 24, 4263
GLAUCOMA: 232, 1437, 2093, 2859, 3112, 4162
GLIBENCLAMIDE: 2767
GLIOBLASTOMA MULTIFORME: 3160, 3315
GLIOMA: 280, 1965, 2470, 2819, 2836–2837, 3214, 4237, 4255
GLIOSIS: 2273
GLOBIN: 1271, 2354
GLOMERULAR FILTRATION RATE: 98, 156, 254, 262, 455, 856, 1187, 1189, 1284, 1892–1894, 1998, 2102, 2152, 2336, 2432, 2666, 2979, 3178–3179, 3286, 3297, 3638, 3810, 3812
GLOMERULONEPHRITIS: 277, 637, 923, 1016, 1048, 1374, 1513, 2312, 3551, 3607, 4493
GLOMERULOSCLEROSIS, FOCAL: 277, 1016
GLOMUS JUGULARE TUMOR: 1115
GLOSSITIS: 1616
GLUCAGON: 5, 270, 535, 617, 644, 798, 800, 980, 984, 1025, 1161–1162, 1191, 1312, 1454, 1537, 1558, 1592, 1616, 1696, 1713, 1715, 1807, 1923, 1936, 1950, 2226, 2279, 2331, 2381, 2402, 2565, 3037, 3127, 3132, 3186, 3312, 3471, 3541, 3659, 3715, 3860, 3920, 3933, 3936, 3971, 4090
GLUCOCORTICOIDS: 23, 323, 898, 937, 967, 1053, 1081, 1333, 1406, 1435, 1549, 1558, 1796, 2268, 2465, 2561, 2625, 2642, 3234, 3270, 3277, 3395, 3528, 3536, 3702, 3748, 3763, 3883, 3897, 3986, 3998, 4104, 4170, 4281, 4430, 4445
GLUCOCORTICOIDS, SYNTHETIC: 1032, 1643, 1861, 2411, 2615–2616, 2791, 3646
GLUCOCORTICOIDS, TOPICAL: 4446
GLUCONATES: 1486
GLUCONEOGENESIS: 880, 1337, 1549, 1558, 2421, 3443, 3573, 3617, 3863, 3971
GLUCOSAMINE: 1970, 2410
GLUCOSAMINEPHOSPHATE ISOMERASE

(GLUTAMINE-FORMING): 1692
GLUCOSAMINIDASE: 38, 1959, 2916, 3334
GLUCOSE: 179, 263, 312, 416, 624, 864, 934, 984, 1103, 1189, 1229, 1348, 1470, 1518, 1520, 1549, 1590, 1698–1699, 1718, 1729, 2162, 2192, 2402, 2414, 2906, 3184, 3443, 3454, 3570, 3694, 3920, 3922, 3927, 3971, 4042, 4231, 4270, 4364, 4427
GLUCOSE TOLERANCE TEST: 221, 540, 767, 864, 1057, 1470, 1537, 1558, 1582–1583, 2386, 3061, 3596, 3643, 4231
GLUCOSEPHOSPHATASE: 535, 2518, 2983
GLUCOSEPHOSPHATASE DEFICIENCY: 1003
GLUCOSEPHOSPHATE DEHYDROGENASE: 38, 598, 745, 1088, 1456, 1843, 3288, 3398, 3415, 3494, 3922, 3990, 4470
GLUCOSEPHOSPHATES: 655, 1520, 2964, 3081, 3398, 3793
GLUCOSIDES: 107
GLUCURONATES: 74, 412, 1291, 1976, 2296, 2676, 2754, 3142, 4183, 4404–4405, 4407
GLUCURONIDASE: 508, 1151, 1683, 1812, 1959
GLUTAMATE DECARBOXYLASE: 356, 1577, 1776, 3658, 4084
GLUTAMATE DEHYDROGENASE: 4009
GLUTAMATES: 144, 1547, 1803, 3184, 3228, 4084
GLUTAMINE: 123, 3184, 3228, 3863
GLUTAMINE SYNTHETASE: 123
GLUTAMYL TRANSPEPTIDASE: 2451, 4331
GLUTATHIONE TRANSFERASES: 619, 2712
GLUTEN: 2543
GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE: 2945
GLYCERIDES: 1237, 2029, 3190
GLYCERIN: 416, 934, 1031, 1237, 1311, 1352, 2392, 2565, 2767, 2922, 3419, 3573, 3860, 4427, 4460
GLYCEROLPHOSPHATE DEHYDROGENASE: 280, 2408, 2426
GLYCEROPHOSPHATES: 273
GLYCINE: 193, 399, 592, 937, 2459, 2688, 3228, 3603, 3896
GLYCOGEN: 171, 624, 857, 904, 1309, 1337, 1558, 1798, 1852, 2047, 2139, 3231, 3600, 4154, 4160
GLYCOGEN PHOSPHORYLASE: 904, 1852, 2446, 2782, 2790, 3432
GLYCOGEN SYNTHETASE: 1285, 2790
GLYCOGENOSIS: 1103, 1260
GLYCOGENOSIS 3: 3362
GLYCOLIPIDS: 1065
GLYCOLYSIS: 880, 1520, 1718, 2324, 2652, 2907, 2964, 3617, 3864
GLYCOPEPTIDES: 178
GLYCOPROTEINS: 175, 332, 510, 1029, 1080, 2025, 2103, 2186, 2209, 2410, 2492, 2533, 2846, 2895, 3110, 3115, 3698, 4185, 4305, 4413
GLYCOSAMINOGLYCANS: 646, 827, 1029, 1920, 2032, 2103, 3058, 3903
GLYCOSIDE HYDROLASES: 1683
GLYCOSIDES: 107, 178, 1426
GLYCOSPHINGOLIPIDS: 1251
GLYCOSURIA: 2189, 3222
GLYCOSURIA, RENAL: 2619
G(M1) GANGLIOSIDE: 4164
GOATS: 1133, 1357, 1468, 1699, 2224, 2481, 2784, 3387–3388, 3646, 4228
GOITER: 371, 622, 712, 810, 936, 1114, 1280, 1555, 1659, 1693, 2039, 2477, 2946, 3367, 3437, 3506, 3652
GOITER, ENDEMIC: 1442, 1572, 2158, 2482, 2521, 2594, 3153, 3506, 3683, 3899
GOITER, EXOPHTHALMIC: 157, 228, 375, 417, 421, 680, 712, 795, 874, 889, 996, 1063, 1299, 1932, 2121, 2135, 2566, 2716, 2818, 3640, 3842, 3876, 4231, 4235, 4259, 4352, 4389, 4408, 4522
GOITER, NODULAR: 65, 421, 859, 996, 1023, 1262, 1878, 1910, 1943, 2267, 2449, 2566, 2594, 2643, 3506, 3639, 3899
GOITER, SUBSTERNAL: 4101
GOLD: 1277, 1445, 3025, 3665, 4432
GOLD THIOGLUCOSE: 467, 4432
GOLD THIOMALATE: 467
GOLDFISH: 528, 1601, 1984, 3039, 3118
GOLGI APPARATUS: 1036, 1405, 1847, 1974, 3426, 3566
GONADOTROPINS: 305, 523, 819, 950, 1043, 1301, 1407, 1782, 2116, 2475, 2527, 2745, 2793, 2949, 3200, 3272, 3464, 3479, 3629, 4015, 4051, 4085, 4356, 4391, 4426, 4450
GONADOTROPINS, CHORIONIC: 92, 168, 178, 295, 346, 390, 479, 564, 612–613, 616, 648, 652, 716, 819, 825, 892, 1058, 1167, 1272, 1278, 1328, 1425, 1455, 1543–1544, 1665, 1726, 1728, 1785, 1834, 1917, 1972, 2112, 2157, 2211, 2218, 2230, 2290, 2404, 2406, 2429, 2472–2473, 2526–2527, 2565, 2679, 2822, 3040, 3094, 3120, 3215, 3263, 3282, 3316, 3403, 3429, 3474, 3479, 3504, 3525, 3571, 3629, 3870, 3898, 3909, 3951, 4007, 4025, 4033, 4038, 4051, 4227, 4240, 4262, 4321, 4332, 4340, 4420, 4500, 4516
GONADOTROPINS, EQUINE: 427, 613, 1449, 1455, 1771, 2889, 3020, 3429, 3644, 3653, 3972
GONADOTROPINS, PITUITARY: 1075, 1278, 1500, 1937, 1961, 2012, 2057, 2263, 2308, 2874, 3061, 3169, 3947, 3958, 4329
GONADS: 111, 1347, 1370, 1582, 1848, 1911, 2065, 2078, 2082, 2106, 2283, 2591, 4074, 4267, 4383
GOUT: 4480
GRAAFIAN FOLLICLE: 103, 479, 506, 541, 612, 806, 908, 1072, 1209, 1344, 1396, 1451, 1626–1627, 1917, 1990, 2148, 2324, 2343, 2369, 2931, 3020, 3033, 3124, 3151, 3193, 3272, 3360, 3460, 3515, 3727, 3805, 3840, 3903, 3947, 4038, 4178, 4240
GRAFT REJECTION: 991, 2096, 2109, 3523, 3739, 3987
GRAFT SURVIVAL: 2574, 2695, 2943, 3030, 3565, 4418
GRAFT VS HOST REACTION: 3553, 3864
GRAIN: 1426, 3037
GRANULOCYTES: 3829
GRANULOMA: 1069, 1750, 2859, 3662, 3862, 4412
GRANULOMATOUS DISEASE, CHRONIC: 2259
GRANULOSA CELL TUMOR: 1653
GRANULOSA CELLS: 390, 441, 612–613, 806, 1157, 1451, 1501, 1626, 1899, 2222, 2337, 3020, 3033, 3272, 3360, 4038
GRASSHOPPERS: 1344, 3238
GRIEF: 4491
GROWTH: 131, 227, 391, 603, 976, 1475, 1535, 1558, 2085, 2447, 2556, 3139, 3636, 3702, 3747, 3799, 3887, 4459, 4531
GROWTH DISORDERS: 516, 1827, 2556, 3139, 3247, 3352, 3702, 3730, 4444–4445, 4459
GROWTH SUBSTANCES: 503, 803, 971, 1595, 3471
GUANETHIDINE: 1306, 2722
GUANIDINES: 684, 853, 906, 2190, 2349, 3672, 4009, 4160
GUANINE: 3009
GUANINE NUCLEOTIDES: 669, 1565, 2269, 2841, 2888, 3301, 4427
GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE: 130, 155, 198, 233, 434, 531, 677, 815–816, 842, 915, 928, 1130, 1174, 1190, 1229, 1263, 1490, 1591, 1642, 1846, 1898, 1925, 1964, 1992, 2011, 2051, 2244, 2279, 2305, 2365, 2458, 2781, 2861, 2872, 2881, 2916, 2936, 2971, 3037, 3102, 3175, 3189, 3276, 3304, 3313, 3430, 3432, 3534, 3581, 3778, 3828, 3843, 3908, 3996, 4066, 4291, 4381
GUANOSINE MONOPHOSPHATE: 2916
GUANOSINE TETRAPHOSPHATE: 1565, 4427
GUANOSINE TRIPHOSPHATE: 358, 518, 1465, 1772, 1836, 1923, 2307, 2331, 2362, 2841, 2888, 3499, 3614, 4164, 4367
GUANYL CYCLASE: 155, 233, 434, 754, 842, 1245–1246, 1591, 2051, 2145, 2300, 3037, 3364, 4044, 4179–4181, 4242
GUANYLYL IMIDODIPHOSPHATE: 433, 669, 1491, 2331, 2841
GUINEA PIGS: 26, 76, 82, 219, 341, 349, 387, 598, 619, 629, 735, 755, 795, 805, 857, 890, 1032, 1075, 1088, 1095, 1142, 1175, 1217, 1233, 1255, 1268, 1289, 1461, 1506, 1586, 1628, 1673, 1743–1744, 1758, 1770, 1791, 1898, 1921, 1935, 2006, 2076, 2116, 2272, 2282, 2292, 2319, 2359, 2365, 2372, 2639, 2654, 2670, 2748, 2929, 2975, 3048, 3170, 3301, 3526–3527, 3535, 3547, 3608, 3636, 3700, 3740, 3789, 3850–3851, 3872, 4051, 4103, 4115, 4139, 4144, 4208, 4216, 4263, 4280, 4302, 4342, 4379, 4436, 4454, 4465, 4537
GYNECOMASTIA: 1227, 1316, 1681, 3476, 4152, 4163

H

H-Y ANTIGEN: 2877
HABITUATION (PSYCHOPHYSIOLOGY): 1104, 1427, 4169
HAIR: 1640, 2640, 4225
HALF-LIFE: 282, 607, 1085, 1106, 1378, 1380, 1676, 1905, 2025, 2393–2394, 2510, 2563, 2614, 2690, 2775, 2855, 3069, 3100, 3172, 3389, 3822
HALLERMANN'S SYNDROME: 610
HALLUCINOGENS: 381, 3256
HALOFENATE: 696
HALOPERIDOL: 743, 822, 1244, 1577, 1666, 2206, 2232, 3175, 3589
HALOTHANE: 621, 1079, 1483, 2056, 3835
HAMARTOMA: 487, 3021, 3362
HAMSTERS: 280, 404, 725, 1044, 1095, 1396, 1640, 1696, 1985, 2250, 2320, 2531, 2781, 2879, 3151, 3213, 3606, 3662, 3767, 3976, 4079, 4215
HAND: 1145, 1575, 1830, 3014, 3511, 4105
HAND-SCHUELLER-CHRISTIAN SYNDROME: 3973
HANDICAPPED: 3290
HANDLING (PSYCHOLOGY): 475
HAPLOIDY: 1063, 2382, 2895, 4513
HAPTENS: 429, 2002, 2602, 2754
HAPTOGLOBINS: 2895, 3546
HARDERIAN GLAND: 493
HARDNESS: 3309
HARMALINE: 1216
HAY FEVER: 1460, 3529
HEAD: 2370
HEAD AND NECK NEOPLASMS: 426, 623, 630, 4304, 4526
HEAD INJURIES: 4161
HEADACHE: 28, 1374, 2436, 2890, 3651
HEALTH: 3163
HEALTH EDUCATION: 701, 3888
HEALTH SURVEYS: 4328
HEARING: 1469
HEARING LOSS, BILATERAL: 2273, 2890
HEARING LOSS, CONDUCTIVE: 576
HEARING LOSS, PARTIAL: 576, 2890, 4212
HEARING LOSS, SENSORINEURAL: 3561, 3652
HEART: 206, 351, 363, 624, 913, 981, 1136, 1526, 1570, 1615, 1645, 1889, 2003, 2141, 2207, 2249, 2319, 2376, 2622, 2671, 3383, 3654, 3779, 3830, 3987, 4066, 4075, 4357
HEART ARREST, INDUCED: 363, 2376
HEART, ARTIFICIAL: 4277
HEART ATRIUM: 156, 720, 2971
HEART BLOCK: 3561
HEART CATHETERIZATION: 3159
HEART CONDUCTION SYSTEM: 1744, 3064, 3243
HEART DEFECTS, CONGENITAL: 3021, 3556
HEART DISEASES: 76, 625, 1012, 1742, 1753, 1841, 2114, 2673, 3293–3294, 3804, 3989
HEART ENLARGEMENT: 135, 1526, 3436
HEART FAILURE, CONGESTIVE: 311, 351, 363, 451, 875, 1529, 2487, 2510, 3812, 4075
HEART NEOPLASMS: 1833, 2606, 3452
HEART RATE: 580, 1047, 1055, 1136, 1420, 1427, 1526, 1528, 1743, 1807, 2085, 2392, 2622, 2663, 2792, 2849, 2929, 2971, 3107, 3182, 3239, 3322, 3387, 3580, 3832, 3893, 3902, 4226, 4357, 4441
HEART SEPTAL DEFECTS, VENTRICULAR: 85
HEART SEPTUM: 3634
HEART SURGERY: 4421
HEART VENTRICLE: 278, 363, 528, 1645
HEAT: 322, 432, 525, 694, 877, 918, 971, 1032, 1541, 1923, 2321, 3387, 3500, 3536
HEEL: 2993
HELA CELLS: 648
HELIANTHUS: 4416
HELIUM: 4479
HELIX (SNAILS): 412, 2003, 3076
HEMAGGLUTINATION INHIBITION TESTS: 2967, 4117, 4178
HEMAGGLUTINATION TESTS: 731, 1728, 3582
HEMAGGLUTININS: 3641
HEMANGIOENDOTHELIOMA: 779
HEMANGIOMA: 118, 243, 311, 487, 1991, 4507–4508
HEMANGIOMA, CAVERNOUS: 4508

HEMANGIOPERICYTOMA: 703
HEMATOCRIT: 29, 290, 382, 634, 683, 2048, 2321, 2656, 3490, 3521, 4112, 4314, 4358, 4475
HEMATOLOGIC DISEASES: 1003, 1966, 3328
HEMATOMA: 520, 4161
HEMATOMA, SUBDURAL: 2471
HEMATOPOIESIS: 23, 1255, 1705, 2023, 2154, 3531–3532
HEMATOPOIETIC STEM CELLS: 327, 873, 1987, 4112
HEMATOPOIETIC SYSTEM: 873, 2605
HEMATOXYLIN: 3767
HEME: 754, 4316
HEMEPROTEINS: 2969
HEMIPLEGIA: 1647, 2509
HEMIPTERA: 809
HEMOCHROMATOSIS: 1041, 2194
HEMODIALYSIS: 138, 140, 195, 204, 231, 253, 315, 490, 530, 603, 605, 1008, 1202, 1325, 1374, 1433, 1651, 1693, 1830, 2013, 2070, 2684, 2695, 3069, 3142, 3521, 3879, 4017, 4380, 4481
HEMODILUTION: 2666
HEMODYNAMICS: 274, 677, 721, 845, 913, 963, 1341, 1420, 1477, 1853, 1959, 2005, 2217, 2313, 2322, 2663, 3159, 3180, 3812, 3832, 3893, 4060, 4075, 4276
HEMOGLOBINS: 737, 865, 1551, 1994, 2808, 4358, 4475
HEMOLYMPH: 430, 1414
HEMOLYSIS: 865, 2357, 3939
HEMOLYTIC PLAQUE TECHNIC: 924, 2677, 3582
HEMOLYTIC-UREMIC SYNDROME: 101
HEMOPERFUSION: 1273
HEMOPERITONEUM: 3786
HEMORRHAGE: 41, 429, 1090, 2138, 2154, 2224, 2500, 3070, 3267, 3317, 3586, 4221
HEMORRHAGE, GASTROINTESTINAL: 229, 600, 967, 2189, 2626, 4081
HEMORRHAGE, ORAL: 2219
HEMORRHAGE, POSTPARTUM: 1132, 2977, 3439
HEMORRHAGIC DIATHESIS: 2219
HEMORRHAGIC FEVERS, VIRAL: 237
HEMOSIDEROSIS: 303
HEMOSTASIS: 101, 713, 1286, 2476, 2654, 3668, 4174
HEMOSTATICS: 2219
HEPARIN: 84, 693, 878, 1349, 1406, 1519, 2138, 2395, 2793, 3408, 3429, 3923, 4380, 4415
HEPATECTOMY: 1162, 2375, 3766
HEPATIC COMA: 844, 1273, 1502, 1701, 3488, 4017
HEPATITIS: 88, 660, 1367, 2154, 2205, 2833, 3352, 3359, 3363, 3613, 3918, 3965, 3979, 4289, 4331
HEPATITIS A: 1076
HEPATITIS, ALCOHOLIC: 555, 1949, 2363, 2431, 2921
HEPATITIS B: 2536, 3613, 3798
HEPATITIS B ANTIGENS: 1367
HEPATITIS B SURFACE ANTIGEN: 3613
HEPATITIS, TOXIC: 4017
HEPATITIS, VIRAL, HUMAN: 937, 4017, 4207
HEPATOMA: 75, 1988, 4289
HEPATOMA, EXPERIMENTAL: 123, 261, 1081, 1635, 1950, 3068, 3260, 3534, 3741, 4415
HEPTANOIC ACIDS: 219
HERBICIDES, TRIAZINE: 3373
HEREDITARY DISEASES: 1210, 3730
HERMAPHRODITISM: 423, 787, 1347, 1842, 2294, 2982, 3464, 4115, 4267, 4459
HERNIA: 229, 2551
HEROIN ADDICTION: 4250, 4297
HERPES SIMPLEX: 2379, 3798
HERPES ZOSTER, OCULAR: 2659
HERPESVIRUS INFECTIONS: 4343
HETEROZYGOTE: 560, 810, 3418
HEXACHLOROPHENE: 2229
HEXAMETHONIUM COMPOUNDS: 1553, 4243
HEXAMETHYLMELAMINE: 1835, 4433
HEXESTROL: 2064
HEXOBARBITAL: 2143, 3975
HEXOKINASE: 508, 3364, 3494
HEXOSAMINES: 1667, 2459, 2719
HEXOSEDIPHOSPHATASE: 617, 3617
HEXOSEPHOSPHATES: 4387
HEXOSES: 1076
HIBERNATION: 1307, 1696, 2413, 3050
HINDLIMB: 258, 964, 3165, 3446, 4154
HIP: 944
HIP JOINT: 1121
HIPPEL-LINDAU DISEASE: 547, 2522, 3889
HIPPOCAMPUS: 21, 481, 861, 1228, 1249, 1461, 1479, 1721, 2201, 2314, 2913, 3170, 3450, 4169, 4388
HIRSUTISM: 95, 1058, 1279, 1662, 1792, 2238, 2640, 2860, 4225, 4458
HISTAMINE: 78, 99, 255, 578, 750, 916, 930, 1159, 1413, 1416, 1461, 1506–1507, 1554, 1628–1629, 1974, 2076, 2164, 2197, 2305, 2722, 2734, 2739, 2746, 2812, 2881, 2923, 2976, 3004, 3048, 3196, 3500, 3578, 3626, 3802, 3908, 4034, 4218, 4240
HISTAMINE ANTAGONISTS: 477
HISTAMINE H1 RECEPTOR BLOCKADERS: 1390, 1452, 3004, 3256, 3902, 4268, 4384
HISTAMINE H2 RECEPTOR BLOCKADERS: 1390
HISTAMINE LIBERATION: 1217, 2975, 3289, 4019, 4312
HISTIDASE: 508
HISTIDINE: 2894, 3587
HISTIDINE DECARBOXYLASE: 1461, 3587
HISTIOCYTOMA: 1173
HISTIOCYTOSIS X: 1173
HISTOCOMPATIBILITY ANTIGENS: 3030
HISTOCOMPATIBILITY TESTING: 2109, 2695
HISTOCYTOCHEMISTRY: 167, 234, 285, 313, 548, 900, 943, 1072, 1292, 1443, 1450–1451, 1541, 1609, 1864, 1916, 1946, 2017–2018, 2180–2181, 2592, 2803, 2891, 2942, 2955, 3119, 3151, 3271, 3465, 3719, 3760, 3866, 3903–3904, 4057, 4061, 4074, 4145, 4185
HISTOLOGICAL TECHNICS: 529, 846, 1527, 1626, 3378, 3782, 4038, 4182
HISTONE KINASE: 1641, 2160
HISTONES: 255, 1784, 2309, 3941, 4347, 4376, 4383
HISTORY OF MEDICINE, 16TH CENT.: 1398
HISTORY OF MEDICINE, 17TH CENT.: 1398
HISTORY OF MEDICINE, 18TH CENT.: 1398
HISTORY OF MEDICINE, 19TH CENT.: 1123, 1398, 1557, 2482, 2521
HISTORY OF MEDICINE, 20TH CENT.: 4, 712, 777–778, 1147, 1398, 1557, 2482, 2521, 2682, 2924, 2958, 4330
HL-A ANTIGENS: 417, 1063, 1932, 2242, 4321, 4419, 4513
HODGKIN'S DISEASE: 182, 961, 988, 1173, 1510, 2301, 2348, 2783, 3862, 3952, 4157, 4304
HOMATROPINE: 2319
HOMEOSTASIS: 455, 897, 1558, 1687, 1746, 2136, 2671, 2722, 3443, 4118, 4122
HOMICIDE: 3196
HOMOCYSTINE: 1192
HOMOSEXUALITY: 836, 919, 1264, 3815, 4115
HOMOSEXUALITY, FEMALE: 919, 1264, 4115
HOMOVANILLIC ACID: 61, 319, 2727, 3229–3230
HOMOZYGOTE: 810
HORMONES: 179, 209, 224, 382, 404, 442, 456, 461, 564, 650, 706, 800, 854, 868, 897, 934, 971, 980, 1068, 1081, 1116, 1217, 1267, 1469, 1504, 1560, 1639, 1765, 1781, 1815, 1828, 1849, 1853, 1904, 2083, 2381, 2452, 2544, 2556, 2565, 2755, 2789, 2964, 2981, 3002, 3004, 3037, 3133, 3256, 3261, 3306, 3332, 3339, 3635, 3702, 3721, 3724, 3812, 3887, 3907, 3933, 4006, 4029, 4032, 4088, 4213, 4247, 4251, 4450, 4471, 4504, 4509, 4522
HORMONES, ECTOPIC: 421, 1020, 1544, 1588, 2087, 3016, 3391, 3422, 3575, 3795, 3934, 4033, 4420
HORMONES, SYNTHETIC: 1153, 1452, 1503, 1714, 1806, 2057, 2365, 2545, 3059, 4109, 4515
HORSE DISEASES: 744, 936, 1662, 2643
HORSERADISH PEROXIDASE: 1443, 1851, 2592, 3034, 4088, 4095
HORSES: 301, 427, 744, 936, 1230, 1247, 1507, 1662, 1856, 2002, 2048, 2643, 2957, 3646, 3886, 3991, 4320
HOSPITAL BED CAPACITY, 500 AND OVER: 4505
HOSPITAL DEPARTMENTS: 3742
HOSPITALIZATION: 199, 340, 785, 2868
HOSPITALS, PSYCHIATRIC: 2669
HOSPITALS, SPECIAL: 340, 1543
HOUSING, ANIMAL: 475
HUMIDITY: 986
HUNGER: 1140, 2021
HUNTINGTON CHOREA: 356, 2352, 2856, 2996, 4078
HYALINE MEMBRANE DISEASE: 2632
HYALURONIC ACID: 105, 3903
HYALURONIDASE: 225, 1452, 3500, 3607
HYBRID CELLS: 377, 2426
HYBRIDIZATION: 327, 1658, 1987
HYDANTOINS: 3539
HYDATIDIFORM MOLE: 218, 852, 1543, 1665, 1855, 2182, 2242, 3098, 3839, 3898, 4262
HYDRALAZINE: 556, 1859
HYDRAMNIOS: 243
HYDRANENCEPHALY: 2415, 2471
HYDRAZINES: 1354, 2970, 4180
HYDROCARBONS, HALOGENATED: 339, 3126
HYDROCEPHALUS: 1612, 2273, 2508, 2524, 3772
HYDROCEPHALUS, NORMAL PRESSURE: 1149, 2508, 3772
HYDROCHLORIC ACID: 1598
HYDROCHLOROTHIAZIDE: 260, 1905, 2043, 3519, 3871
HYDROCORTISONE: 43, 100, 159, 251, 280, 352, 354, 364, 394, 432, 440, 447, 449, 463, 527, 574, 683, 767, 776, 799–801, 827, 851, 883, 906, 921, 989, 1015, 1018, 1101, 1141, 1191, 1211, 1213, 1258, 1279, 1314, 1322, 1332–1333, 1406, 1427, 1452, 1454, 1483, 1511, 1582, 1586, 1595, 1635, 1691, 1741, 1752, 1794, 1945, 1961, 2022, 2033, 2126, 2142, 2210, 2234, 2254, 2263, 2325, 2333, 2344, 2350, 2354, 2390, 2408, 2426, 2535–2536, 2565, 2603, 2699, 2714, 2739, 2743, 2785, 2791, 2826, 2857, 2865, 2960, 2964, 2991, 3018, 3058, 3061, 3100, 3108, 3118, 3152, 3165, 3198, 3227, 3324, 3351, 3405, 3410, 3433, 3443, 3471, 3474, 3529, 3539, 3541, 3546, 3552, 3568, 3573, 3643, 3655, 3695, 3724–3725, 3748, 3841, 3858, 3860, 3875, 3902, 3909, 3942, 4008, 4019, 4056, 4091, 4106, 4170, 4183, 4213, 4277, 4297, 4390, 4400, 4425, 4438
HYDROCORTISONE, TOPICAL: 167, 1403, 1969, 3023
HYDROFLUMETHIAZIDE: 260
HYDROGEN: 217, 698
HYDROGEN-ION CONCENTRATION: 53, 58, 94, 146, 379, 410, 555, 617, 689, 922, 958, 971, 1054, 1490, 1636, 1879, 1975, 1998, 2115, 2170, 2261, 2618, 2704, 2820, 3129, 3178, 3333, 3564, 3750, 3774, 3863, 3940, 4099, 4265, 4347, 4482
HYDROGEN PEROXIDE: 432, 4137
HYDROLASES: 827, 1596
HYDROLYSIS: 412, 496, 689, 1068, 1258, 2298, 2950, 3397, 3916
HYDRONEPHROSIS: 85, 887
HYDROSTATIC PRESSURE: 2976, 3812, 4341
HYDROXIDES: 537
HYDROXYAPATITES: 191, 530, 2600, 2807, 2942
HYDROXYBUTYRATE DEHYDROGENASE: 2426
HYDROXYBUTYRATES: 440, 2392, 3743
25-HYDROXYCHOLECALCIFEROL-1-HY: 1241, 2835
HYDROXYCHOLECALCIFEROLS: 47, 62, 138, 195, 223–224, 398, 407, 488, 603, 637, 682, 856, 975, 1066, 1127, 1129, 1160, 1241, 1270, 1472, 1680, 1708, 1930, 2293, 2334–2335, 2367, 2590, 2701, 2756, 2892, 2898, 2908, 2919, 3069, 3114, 3179, 3181, 3283, 3394, 3631–3632, 3742, 3746, 3761, 3900, 4046, 4241, 4286, 4351, 4519
HYDROXYCORTICOSTEROIDS: 1677
11-HYDROXYCORTICOSTEROIDS: 327, 2213, 3100, 3147, 3227, 3239, 3641
17-HYDROXYCORTICOSTEROIDS: 148, 173, 212, 329, 799, 1163, 1221, 1330, 2466, 2847, 2956, 3169, 3322, 3411, 3418, 3420, 3909, 4118
11-HYDROXYCORTICOSTEROIDS, SYNTHETIC: 3152
18-HYDROXYCORTICOSTERONE: 4030
18-HYDROXYDESOXYCORTICOSTERON: 3219
HYDROXYDOPAMINE: 205, 726, 881, 1678, 2153, 2863, 3583, 3802, 3847
HYDROXYINDOLEACETIC ACID: 60–61, 212, 292, 319, 542–543, 774, 858, 1083, 1094, 1354, 1376, 1571, 1774, 2515, 2723, 3160, 3229,

3822, 4110, 4151
HYDROXYLAMINES: 842
HYDROXYLASES: 322–323, 1402, 2757, 4423–4424, 4513
HYDROXYLATION: 1067, 1160, 1863, 3588, 4283
2-HYDROXYPHENETHYLAMINE: 983
HYDROXYPREGNENOLONE: 1157, 3146, 3327, 3444
HYDROXYPROGESTERONES: 898, 1315, 2263, 2373, 2452, 2495, 2991, 3146, 3418, 3892, 3961, 3985, 4104, 4423
HYDROXYPROLINE: 760, 1356, 1622, 1667, 2284, 2335, 2459
HYDROXYPROSTAGLANDIN DEHYDROGENASES: 2667, 2803, 3338
HYDROXYQUINOLINES: 3419
HYDROXYSTEROID DEHYDROGENASES: 1900
3-HYDROXYSTEROID DEHYDROGENASES: 38, 297, 1298, 1703–1704, 2372, 2506, 3130, 3415
17-HYDROXYSTEROID DEHYDROGENASES: 26, 1054, 1453, 2652, 3079, 3105, 3327, 3415, 4049, 4197
20-HYDROXYSTEROID DEHYDROGENASES: 3327
HYDROXYSTEROIDS: 2234
HYDROXYTESTOSTERONES: 2853, 2912
HYDROXYTRYPTOPHAN: 542–543, 562, 568, 719, 976, 1083, 1108, 1215, 2130, 2560, 2568, 2720, 2753, 2899, 4026, 4208, 4359
HYDROXYTRYPTOPHOL: 190
HYOID BONE: 4315
HYPERALDOSTERONISM: 216, 309, 835, 1097, 1211, 2062, 2144, 2487, 2813, 3018, 3281, 3442, 3455, 3543, 3642, 3931, 4183, 4189
HYPERBARIC OXYGENATION: 1031
HYPERBILIRUBINEMIA: 4166
HYPERCALCEMIA: 443, 490, 569, 798, 893–894, 959, 1020, 1107, 1223, 1325, 1486, 1654, 1749, 1895, 2052, 2077, 2191, 2259, 2330, 2367, 2542, 2685, 2715, 2808, 2989, 3092, 3114, 3266, 3318, 3375, 3627, 3765, 3934, 4023, 4167, 4252, 4431, 4472, 4483, 4519
HYPERCAPNIA: 3244, 3696–3697
HYPERCHOLESTEREMIA: 696, 3804, 4046, 4522
HYPEREMIA: 78, 258
HYPERGLYCEMIA: 171, 869, 893, 1654, 2130, 2432, 2670, 3920
HYPERINSULINISM: 869, 1775
HYPERKALEMIA: 217, 555, 1060–1061, 1739, 2191, 2906–2907, 3718
HYPERKINESIS: 1564
HYPERLIPEMIA: 696, 1117, 2013, 2255, 3604, 3883, 4361
HYPERNATREMIA: 893
HYPEROSTOSIS, CORTICAL CONGENITAL: 860, 909
HYPERPARATHYROIDISM: 68, 195, 197, 373, 388, 591, 712, 765, 941, 959, 1088, 1145, 1183–1184, 1206, 1470, 1747, 1749, 1858, 1871, 2020, 2225, 2259, 2330, 2494, 2542, 2564, 2779, 2866, 3164, 3442, 3531, 3569, 3672, 3781, 3934, 3953, 4004–4005, 4252, 4449, 4483
HYPERPARATHYROIDISM, SECONDARY: 105, 478, 1290, 2259, 2556, 2564, 2866, 3128, 4475
HYPERPITUITARISM: 1515
HYPERPLASIA: 197, 846, 896, 954, 1074, 1162, 1183, 1283, 1988, 2882, 3004, 3176, 3357, 4000, 4128, 4183, 4369
HYPERSENSITIVITY: 3289
HYPERSENSITIVITY, DELAYED: 154, 220, 1750, 4141, 4170, 4400
HYPERSENSITIVITY, IMMEDIATE: 3165
HYPERSOMNIA: 2675
HYPERTENSION: 129, 134, 260, 270, 291, 326, 480, 507, 580–581, 703, 721, 751–752, 828, 831, 833, 845, 849, 981, 1008, 1024, 1060–1061, 1331, 1341, 1358, 1374, 1477, 1481, 1511, 1654, 1757, 1764, 1792, 1814, 1823, 1853, 1859, 1960, 2019, 2028, 2045, 2144, 2207, 2215–2216, 2313, 2341, 2428, 2503–2504, 2538, 2569, 2614, 2638, 2663, 2725, 2752, 2773, 2832, 2860, 2871, 3054, 3059, 3073, 3086, 3093, 3096, 3125, 3141, 3219, 3281, 3307, 3457, 3508, 3519, 3521, 3562, 3642, 3778, 3800, 3871, 3877, 3879, 3882, 3890, 3931, 3982, 3988, 4001, 4086, 4107, 4162, 4219, 4238–4239, 4275, 4311, 4520
HYPERTENSION, MALIGNANT: 2215
HYPERTENSION, PORTAL: 875, 3280
HYPERTENSION, PULMONARY: 259, 3147
HYPERTENSION, RENAL: 129, 134, 326, 499, 552, 556, 1105, 1283, 1411, 1433, 1542, 1745, 2005, 2089, 2660, 2830, 2927, 3278, 3508, 3765, 4134
HYPERTENSION, RENOVASCULAR: 499, 1105, 1283, 1331, 1411, 1542, 2005, 2216, 2830, 2927, 3096, 3765, 3931
HYPERTHYROIDISM: 189, 245, 248–249, 274, 374, 418, 421, 444, 466, 483, 501, 622, 663, 712, 788, 889, 959, 962, 996, 1049, 1262, 1333, 1351, 1487, 1556, 1587, 1693, 1740, 1824, 1831–1832, 1840, 1874, 1878, 2000, 2045, 2060, 2104, 2121, 2171, 2182, 2188, 2235, 2383, 2422, 2432, 2449, 2478, 2482, 2521, 2542, 2566, 2627, 2667, 2673, 2690, 2716, 2774, 2796, 2814, 2909, 3087, 3106, 3251, 3266, 3318, 3393, 3436–3438, 3441, 3544, 3630, 3687, 3701, 3715, 3807, 3884, 3918, 3993, 4012–4013, 4021, 4231, 4235, 4262, 4313, 4333, 4419, 4462, 4467, 4470, 4478
HYPERTROPHY: 502, 688, 1043, 1162, 1275, 1795, 2440, 2455, 3241, 3554, 4260
HYPNOSIS: 3821
HYPNOTICS AND SEDATIVES: 3223, 3256
HYPOCALCEMIA: 62, 138, 407, 451, 473, 569, 884, 1129, 2052, 2329, 2715, 2985, 3164, 3266, 3478, 3610, 3712, 3950, 4055, 4336
HYPODERMYIASIS: 3284
HYPOGLYCEMIA: 149, 171, 734, 863, 989, 1025, 1369, 1484, 1558, 1701, 2189, 2333, 3439, 3443, 3573
HYPOGLYCEMIC AGENTS: 1514, 1604
HYPOGONADISM: 1128, 1164, 1266, 1316, 1681, 1806, 1834, 2072, 2154, 2178, 2194, 2310, 2526–2527, 2653, 2799, 2949, 3282, 3357, 3487, 3502, 4058–4059, 4085, 4163, 4459
HYPOKALEMIA: 216, 835, 1654, 1793, 2070, 2871, 3087, 3434, 3442, 3718, 4226
HYPOLIPOPROTEINEMIAS: 3061
HYPOMENORRHEA: 2294
HYPONATREMIA: 875, 893, 2868, 3718
HYPOPARATHYROIDISM: 451, 610, 837, 945, 1088, 1470, 1599, 1867, 2137, 3019, 3266, 3561, 3753, 3796, 4048, 4055, 4221, 4462
HYPOPHOSPHATASIA: 2094, 3442
HYPOPHOSPHATEMIA, FAMILIAL: 604, 1026, 1319, 1731, 3967
HYPOPHYSECTOMY: 276, 582, 650, 873, 976, 1192, 1356, 1396, 1515, 1607, 1645, 1771, 1799, 1834, 1901, 1903, 1917, 1936, 1942, 1953, 2037, 2260, 2297, 2436, 2607, 2747, 2880, 2963, 3009, 3020, 3306, 3314, 3386, 3433, 3708, 3964, 4437, 4466
HYPOPITUITARISM: 1320, 2323, 2526, 2705, 2731, 3236, 3324, 3362, 3439
HYPOPROCONVERTINEMIA: 2399
HYPOPROTHROMBINEMIAS: 3601
HYPOSPADIAS: 2, 1316, 3678
HYPOTENSION: 1218, 2101, 2138, 2671, 2795, 3669, 3835
HYPOTENSION, CONTROLLED: 2105
HYPOTENSION, ORTHOSTATIC: 2792, 3029
HYPOTHALAMIC HORMONES: 1912, 2981, 3702, 4202, 4486
HYPOTHALAMO-HYPOPHYSEAL SYSTEM: 52, 209–210, 367, 474, 548, 574, 853, 950, 1082, 1101, 1224, 1315, 1938, 2076, 2114, 2116, 2199, 2308, 2325, 2350, 2449, 2535, 2540, 2653, 2776, 2845, 2877, 2941, 3021, 3074, 3080, 3360, 3385, 3589, 3680, 3696–3697, 3887, 3944, 4070, 4232, 4329, 4349, 4371, 4464
HYPOTHALAMUS: 21, 32, 100, 102, 109, 126, 132, 172, 200, 230, 240, 305, 370, 372, 408–409, 446, 559, 563, 572, 697, 743, 757, 771, 780, 783, 819, 863, 886, 956, 958, 985, 1034, 1140, 1146, 1149, 1224, 1249, 1259, 1334, 1337, 1353, 1410, 1443–1444, 1480, 1582, 1601, 1618, 1633, 1638, 1648, 1655, 1666, 1727, 1775, 1779, 1804, 1859, 1929, 1957, 1984, 2134, 2183, 2188, 2245, 2250, 2314, 2368, 2371, 2413, 2429, 2438, 2449, 2455, 2461, 2470, 2509, 2544, 2562, 2592, 2647, 2737–2738, 2744, 2799, 2817, 2845, 2913, 2940, 2973, 3021, 3080, 3117, 3182, 3324, 3349, 3387, 3448, 3450, 3470, 3483, 3498, 3577, 3628, 3637, 3675, 3677, 3700, 3759, 3770, 3774, 3791, 3808, 3832, 3847, 4011, 4026, 4028, 4060, 4073, 4084, 4136, 4147, 4202, 4299, 4318, 4329, 4356, 4410, 4432, 4450, 4485–4486
HYPOTHALAMUS, ANTERIOR: 409, 780, 2413, 2461, 2913, 3387, 3448, 3808, 4136
HYPOTHALAMUS, MEDIAL: 102, 1301, 1337, 1648, 1955, 2461, 3080, 3149, 3808, 4432
HYPOTHALAMUS, POSTERIOR: 2544
HYPOTHERMIA: 2130
HYPOTHERMIA, INDUCED: 1031
HYPOTHYROIDISM: 125, 128, 245, 249, 375, 454, 471, 502, 558, 573, 596, 622, 645, 680, 788, 812, 872, 1049, 1128, 1155–1156, 1280, 1320, 1333, 1351, 1442, 1464, 1487, 1587, 1693, 1740, 1779, 1790, 1827, 1831, 1880, 2000, 2045, 2104, 2171–2172, 2188, 2223, 2235, 2259, 2383, 2446–2447, 2507, 2627, 2774, 2814, 2935, 3078, 3139, 3337, 3376, 3393, 3404, 3407, 3437, 3507, 3539, 3630, 3715, 3804, 3836, 3842, 4012–4013, 4031, 4123, 4168, 4214, 4260, 4313, 4366, 4478, 4497
HYPOVENTILATION: 2675
HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE: 745, 4480
HYSTERECTOMY: 1009, 2256, 2747, 2825, 3206, 3514, 3722
HYSTERECTOMY, VAGINAL: 2794, 3722
HYSTERIA: 2232
HYSTERICAL PERSONALITY: 4043
HYSTEROSALPINGOGRAPHY: 797, 2466

I

IATROGENIC DISEASE: 553, 1797, 2696
IBUPROFEN: 1242, 3007
ICHTHYOSIS: 2069, 2483
IDENTIFICATION (PSYCHOLOGY): 3815
IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 274, 3556
IDITOL DEHYDROGENASE: 1658
IDOXURIDINE: 690, 2227, 3943
IGA: 593, 1167, 2090, 2131, 2174, 2481, 3122, 3395, 3539
IGA, SECRETORY: 3841
IGE: 2975, 3122
IGG: 491, 593, 661, 795, 1019, 1063, 1493, 1858, 2174, 2312, 2357, 2641, 2716, 3122, 3356, 3841, 3983, 4417
IGM: 593, 2090, 2135, 2174, 2211, 2312, 2357, 3122, 3356, 3841, 3864, 3983
ILEOSTOMY: 1725
ILEUM: 92, 647, 755, 764, 1142, 1791, 1890, 2282, 2975, 3047, 3496
ILIAC ARTERY: 3482
ILIUM: 1388
IMAGE ENHANCEMENT: 1780, 1927
IMIDAZOLES: 106, 559, 1032, 1186
IMIPRAMINE: 2723, 3027, 3461, 4429
IMMERSION: 1373
IMMOBILIZATION: 999, 1697
IMMUNE SERUMS: 1151, 1650, 2754, 2866, 3066, 3213, 3235, 3316, 3584, 3948, 3997, 4153, 4178, 4464
IMMUNE TOLERANCE: 427
IMMUNITY: 506, 610, 2550, 3025, 3122, 3498, 3736, 3983
IMMUNITY, ACTIVE: 1809
IMMUNITY, CELLULAR: 808, 1710, 1801, 1861, 2131, 2174, 2872, 3025, 3289, 3548, 3662, 4141, 4274
IMMUNITY, NATURAL: 3548
IMMUNITY, PASSIVE: 949, 3841
IMMUNIZATION: 1151, 1379, 1850, 2543, 3983, 4170
IMMUNOASSAY: 1810, 2211, 2230, 2754, 3066
IMMUNOBLASTIC LYMPHADENOPATHY: 4285
IMMUNOCHEMISTRY: 253, 548, 815–816, 3097, 4274
IMMUNOELECTROPHORESIS: 2481, 2492, 2967, 3124, 4149, 4178
IMMUNOELECTROPHORESIS, TWO-DIMENSIONAL: 1406
IMMUNOENZYME TECHNICS: 306, 412, 639, 815–816, 921, 1004, 1265, 1336, 1405, 1608, 1726, 1851, 1891, 2087, 2156, 2932, 3097, 3143, 3679, 3951–3952, 4028, 4149, 4274
IMMUNOGLOBULINS: 220, 429, 593, 731, 1098, 1464, 1987, 2090, 2168, 2445, 2517, 3122, 3952, 3956
IMMUNOGLOBULINS, DELTA CHAIN: 2872

IMMUNOGLOBULINS, FAB: 2641
IMMUNOGLOBULINS, FC: 377, 432, 1493, 2423, 2641
IMMUNOGLOBULINS, HEAVY CHAIN: 2872
IMMUNOGLOBULINS, LAMBDA CHAIN: 2135
IMMUNOGLOBULINS, MU CHAIN: 2872
IMMUNOGLOBULINS, SURFACE: 1493
IMMUNOLOGIC DEFICIENCY SYNDROMES: 610, 1415, 2174
IMMUNOLOGIC DISEASES: 277
IMMUNOLOGIC MEMORY: 3798, 4170, 4438
IMMUNOLOGIC TECHNICS: 1588, 2116, 2668, 2923
IMMUNOSORBENT TECHNICS: 3263
IMMUNOSORBENTS: 2676
IMMUNOSUPPRESSION: 1801, 2625, 2677, 2833, 3122, 3548, 3565, 3648, 3662, 3763, 3798, 3983, 3987, 4400, 4477
IMMUNOSUPPRESSIVE AGENTS: 277, 303, 467, 775, 929, 979, 1019, 1048, 1112, 1261, 1367, 2879, 3025, 3613, 3763, 4510
IMMUNOTHERAPY: 630, 1234, 1381, 1434, 1801, 2543
IMPETIGO: 2905
IMPOTENCE: 533, 1152, 1651, 1681, 2218, 2271, 2792, 3236, 4162
INAPPROPRIATE ADH SYNDROME: 121, 267, 324, 875, 879, 893, 1011, 1439, 2868, 2951, 3388
INBREEDING: 747
INCLUSION BODIES, VIRAL: 2227
INDANS: 1056
INDENES: 1056
INDICATOR DILUTION TECHNICS: 1959
INDICATORS AND REAGENTS: 1221, 4414
INDOLES: 40, 190, 219, 381, 638, 2164, 2248, 4110, 4344
INDOMETHACIN: 78, 106, 114, 180, 216, 254, 258, 467, 477, 556, 731, 735, 775, 908, 1032, 1044, 1046, 1090, 1118, 1159, 1277, 1385, 1421, 1449, 1628, 1687, 1876, 1890, 2102, 2351, 2578, 2708, 2828, 2840, 2886, 2896, 3112, 3135, 3138, 3277, 3310, 3316, 3321, 3338, 3401, 3773, 3931, 4137, 4230, 4236, 4246, 4319
INFANT: 31, 36, 100, 111, 118, 208, 220, 309, 311, 328, 352, 361, 419, 458, 579, 641, 704, 711, 914, 1018, 1045, 1113, 1161, 1252, 1279, 1353, 1523, 1537, 1631, 1649, 1653, 1763, 1826–1827, 1937, 1982, 2046, 2055, 2069, 2078, 2137, 2157, 2174, 2195, 2259, 2271, 2273, 2294, 2301, 2455, 2471, 2514, 2524–2525, 2543, 2546, 2565, 2604, 2660, 2703, 2726, 2730, 2786, 2851, 2859, 2883, 2903, 2935, 3017, 3064, 3139, 3164, 3168, 3228, 3325, 3340, 3367, 3398, 3405, 3427, 3437, 3517, 3593, 3596, 3632, 3657, 3699, 3701, 3730, 3748, 3800, 3808, 3849, 3961, 3979, 4016, 4031, 4055, 4203, 4266, 4296, 4354, 4382, 4409, 4493, 4507–4508, 4531
INFANT, LOW BIRTH WEIGHT: 3325, 4531
INFANT MORTALITY: 10, 1404, 2436, 2849, 3449, 3849
INFANT, NEWBORN: 2, 19, 29, 62, 85, 111, 149–150, 158, 165, 192, 243, 253, 289, 311, 324, 361, 418, 420, 447, 458, 473, 491, 579, 587, 593, 596, 610, 782, 812, 826, 852, 871, 909, 1129, 1143, 1279, 1318, 1322, 1369, 1415, 1537, 1631, 1672, 1712, 1741, 1752, 1786–1787, 1790, 1826–1827, 1880, 1902, 1913, 1990–1991, 1997, 2045, 2050, 2055, 2078, 2094, 2151, 2182, 2223, 2226, 2235, 2259, 2271, 2294, 2301, 2381, 2391, 2412, 2434, 2471, 2524–2525, 2563, 2565, 2578, 2593, 2632, 2716, 2726, 2736, 2778, 2825–2826, 2844, 2849, 2858–2859, 2878, 2903, 2933, 2935, 2968, 3036, 3038, 3070, 3078, 3139, 3228, 3325, 3361, 3367, 3392, 3407, 3437, 3443, 3449, 3595, 3632, 3663, 3667, 3701–3702, 3808, 3818, 3849, 3942, 3961, 3995, 3998, 4007, 4016, 4031, 4039, 4055, 4100, 4158, 4166, 4203, 4296, 4391, 4409, 4453, 4476
INFANT, NEWBORN, DISEASES: 62, 149, 418, 420, 473, 596, 1537, 1752, 1787, 1880, 2055, 2094, 2223, 2412, 2434, 2524, 2593, 2844, 2878, 2903, 2935, 2968, 3407, 3443, 4476
INFANT NUTRITION: 1252, 3228
INFANT NUTRITION DISORDERS: 763
INFANT, POSTMATURE: 1787
INFANT, PREMATURE: 1404, 1786–1787, 2182, 2381, 2826, 3325
INFANT, PREMATURE, DISEASES: 1129
INFANT, SMALL FOR GESTATIONAL AGE: 150, 1404, 1537, 1786, 3139, 3443, 3595
INFANTILISM: 2705
INFARCTION: 41, 862, 3266
INFECTION: 288, 600
INFECTIOUS MONONUCLEOSIS: 1436
INFLAMMATION: 96, 609, 818, 1006, 1385, 1446, 1557, 2502, 2625, 2691, 2734, 3459, 3552, 3646, 3668, 4195, 4291, 4430
INFLUENZA: 161
INFORMED CONSENT: 3775
INFUSIONS, INTRA-ARTERIAL: 1189, 3786, 4081
INFUSIONS, PARENTERAL: 197, 204, 595, 853, 1234, 1287, 1352, 1373, 1611, 1699, 1959, 2132, 2561, 2960, 2979, 3015, 3559, 4239, 4380
INGUINAL CANAL: 2306, 4200
INJECTIONS: 630, 743, 2407, 3852–3853, 4022, 4126
INJECTIONS, INTRA-ARTERIAL: 534, 1284, 4404
INJECTIONS, INTRADERMAL: 212
INJECTIONS, INTRAMUSCULAR: 120, 482, 1093, 1673, 1752, 2175, 2536, 2545, 2714, 2922, 3420, 3859, 4126, 4322
INJECTIONS, INTRAPERITONEAL: 240, 630, 1038, 1784, 3428, 3696
INJECTIONS, INTRATHECAL: 299, 2454, 4393–4394
INJECTIONS, INTRAVENOUS: 120, 540, 588, 630, 853, 1154, 1357, 1502, 1677, 1764, 2108, 2119, 2409, 2536, 2545, 2561, 2571, 2574, 2646, 2707, 2836–2837, 3385, 3443, 3821, 3860, 3875, 4166, 4187, 4265, 4380
INJECTIONS, INTRAVENTRICULAR: 380, 393, 1250, 1357, 2409, 3211, 3584, 3696, 4153, 4186–4187, 4265
INJECTIONS, SUBCUTANEOUS: 1095, 1611, 1673, 1677, 1784, 3428, 4050
INOSITOL: 1553
INOSITOL-1-PHOSPHATE SYNTHASE: 3081
INSECTICIDES, ORGANOCHLORINE: 509
INSECTIVORA: 4244
INSECTS: 423, 1803, 4088
INSEMINATION, ARTIFICIAL: 686, 935, 1989, 2460, 3839
INSEMINATION, ARTIFICIAL, HETEROLOGOUS: 1989, 3839
INSEMINATION, ARTIFICIAL, HOMOLOGOUS: 686
INSOMNIA: 2816
INSULIN: 55, 150, 171, 225, 252, 263, 377, 440, 446, 459, 540, 591, 650, 734, 800, 854, 857, 863–864, 868, 880, 934, 980, 984, 989, 1061, 1094, 1117, 1161–1162, 1191, 1229, 1259, 1312, 1357, 1387, 1470, 1480, 1518, 1537, 1553, 1558, 1582–1583, 1590, 1592, 1595, 1616, 1698–1699, 1713, 1775, 1807, 1936, 1950, 2013, 2150, 2255, 2315, 2333, 2350, 2381, 2386, 2402, 2485, 2494, 2535, 2662, 2670, 2717, 2767, 2787, 2852, 2932, 2964, 3015, 3127, 3222, 3310, 3312, 3419, 3462, 3471, 3497, 3535, 3541, 3570, 3643, 3702, 3715, 3775, 3797, 3856, 3860, 3870, 3912, 3920, 3933, 3936, 3971, 3984, 4125, 4213, 4226, 4231, 4242, 4270, 4273, 4421
INSULIN ANTAGONISTS: 644
INSULIN ANTIBODIES: 221, 864
INSURANCE, MAJOR MEDICAL: 553
INTELLIGENCE: 4300
INTERCELLULAR JUNCTIONS: 103, 479, 1257, 2222, 2917, 3102, 3855, 3868, 4036, 4364
INTERFERON: 690, 3798, 4056
INTERMITTENT POSITIVE PRESSURE VENTILATION: 2011
INTERNATIONAL COOPERATION: 736–737, 3002, 3196, 3447
INTERPERSONAL RELATIONS: 3572
INTERPHASE: 631, 2419
INTERVIEW, PSYCHOLOGICAL: 1479
INTESTINAL ABSORPTION: 366, 436, 647, 856, 1127, 1158, 1424, 1438, 1661, 1689–1690, 2068, 2077, 2083, 2115, 2203, 2260, 2367, 2512, 2586, 2671, 2701, 2835, 3041, 3394, 3609, 3707, 3777, 3841, 3870, 3886, 3900, 4125, 4241, 4261, 4531
INTESTINAL MUCOSA: 92, 217, 241, 364, 572, 974, 1307, 1336, 1342, 1416, 1580, 1661, 1689, 1890, 2084, 2474, 2543, 2824, 3181, 3458, 3617, 3671, 3692, 3757, 3767, 3964, 4241–4242, 4269, 4386
INTESTINAL NEOPLASMS: 3459
INTESTINAL OBSTRUCTION: 1611, 2028
INTESTINAL PERFORATION: 2584, 4412
INTESTINAL SECRETIONS: 3949
INTESTINE, LARGE: 3046, 4269
INTESTINE, SMALL: 572, 647, 720, 1611, 1661, 1986, 2293, 2785, 3446, 3617, 3900, 4269, 4319
INTESTINES: 253, 366, 1559, 2070, 2203, 2439, 2607, 2756, 2967, 3047, 3097, 3703, 4241
INTRACELLULAR FLUID: 145, 4099
INTRACELLULAR MEMBRANES: 201, 252, 287, 297, 496, 1576, 1883, 2757, 2801, 3660, 3737, 4468
INTRACRANIAL PRESSURE: 1031, 1502, 1701, 2095, 2508, 3758
INTRAOCULAR PRESSURE: 2032, 2277, 2741, 4162
INTRAUTERINE DEVICES: 464, 709, 797, 2251, 2496, 3062, 3542, 3558, 3910
INTRAUTERINE DEVICES, COPPER: 302, 736–737, 1071, 2326, 3558, 3910
INTRAUTERINE DEVICES, MEDICATED: 188, 2398, 2809, 3057, 4503
INTUBATION: 4101
INTUBATION, GASTROINTESTINAL: 4388
INTUBATION, INTRATRACHEAL: 1349
INULIN: 2328, 2393–2394, 3521, 4284
INVERTEBRATE HORMONES: 1347
IODIDE PEROXIDASE: 3484
IODIDES: 1516, 3414, 3544, 3854, 4355
IODINE: 249, 260, 421, 507, 517, 596, 936, 1572, 1575, 1615, 1826, 1839–1840, 1845, 2212, 2537, 2643, 2836–2837, 2980, 3134, 3251, 3355, 3409, 3425, 3579, 3587, 3639, 3750, 3783, 4037, 4072, 4089, 4447
IODINE RADIOISOTOPES: 67, 245, 248, 476, 507, 661, 1155, 1186, 1256, 1442, 1499, 1516, 1556, 1800, 1838, 1878, 2073, 2146, 2422, 2598, 2955, 3143, 3409, 3503, 3854, 4012–4013, 4032, 4462
ION CHANNELS: 135, 448, 922, 951, 1233, 3174, 3518, 3779
ION EXCHANGE RESINS: 1392, 4032
IONOPHORES: 2628, 2802
IONS: 280, 405, 473, 1068, 3243, 3276
IONTOPHORESIS: 1473, 4381
IOPANOIC ACID: 517
IPRINDOLE: 4367
IPROVERATRIL: 1064, 1590, 1629, 1744, 1758, 2376, 2596, 3293–3294
IRIDOCYCLITIS: 2859, 3665
IRIS: 232, 3739, 4127
IRITIS: 1437, 2859, 3739
IRON: 306, 1118, 1994, 2008, 2586, 2969, 3216, 3247, 4136, 4358
IRON-SULFUR PROTEINS: 1891, 3676
IRRIGATION: 1038
IRRITANTS: 2886
ISCHEMIA: 1687, 3446, 4193
ISLANDS OF LANGERHANS: 417, 1229, 1389, 1583, 1590, 1698, 1775, 1807, 1936, 2154, 2206, 2226, 3310, 3523, 3570, 3715, 3927, 4108, 4128, 4162, 4264, 4270, 4273
ISLET CELL TUMOR: 1616, 2226, 3016, 4428
ISOANTIBODIES: 2242
ISOCITRATE DEHYDROGENASE: 38, 3415
ISOELECTRIC FOCUSING: 201, 2261
ISOELECTRIC POINT: 1736, 2520
ISOENZYMES: 253, 817, 1108, 1541, 1641, 1658, 1722, 1843, 1871, 2060, 2160, 2451, 2520, 2710, 3334, 3494, 3505
ISOFLUROPHATE: 1441, 1657
ISOLEUCINE: 3863
ISOMERISM: 633, 1976, 3418, 3444, 3594
ISONIAZID: 653, 1254, 2901, 3864, 4180
N-ISOPROPYLATROPINE: 1964
ISOPROTERENOL: 99, 180, 225, 358, 433, 518, 521, 599, 750, 904, 982, 1010, 1172, 1181, 1231, 1306, 1310, 1491, 1526, 1836, 2237, 2249, 2446, 2457, 2797, 3127, 3211, 3233, 3264, 3624, 3679, 3719, 3846, 3865, 4034, 4131, 4231, 4457
ISOQUINOLINES: 2175, 2929, 2947, 3003, 3461, 3470
ISOTONIC SOLUTIONS: 2639
ISOTOPE LABELING: 147, 1256, 1391, 2733, 3874, 4032, 4253, 4257
ISOXAZOLES: 3474
ISOXSUPRINE: 2192

J

JAUNDICE: 2189
JAUNDICE, OBSTRUCTIVE: 2363
JAW: 815–816
JAW DISEASES: 4324
JEJUNUM: 803, 2367, 2440, 3458, 4386
JOINT DISEASES: 660, 2399, 2600, 3209, 3328
JOINT PROSTHESIS: 692, 1121, 1179, 2617
JOINTS: 1111
JUGULAR VEINS: 3772
JURISPRUDENCE: 978, 1195, 1459
JUVENILE HORMONES: 3124
JUXTAGLOMERULAR APPARATUS: 703, 1374, 2773, 2928, 3005, 4090

K

KAINIC ACID: 3658, 3847
KALLIKREIN: 1341, 1358, 1463, 1687, 2614, 2764, 2777, 2896, 3219, 3331, 3562, 3816, 3966, 4518
KALLIKREIN-TRYPSIN INACTIVATOR: 2764
KANGAROOS: 1236
KARYOMETRY: 2467, 4191
KARYOTYPING: 384–386, 538, 631, 741, 852, 1370, 1459, 1475, 1886, 1990, 2310, 2403, 2426, 2513, 2553, 3357, 3699, 4062, 4452
KERATITIS: 2277, 3665
KERATITIS, DENDRITIC: 690, 3943
KERATOCONJUNCTIVITIS: 1437
KETAMINE: 1551, 2568, 2817, 4265
KETO ACIDS: 3863
KETOGLUTARATE DEHYDROGENASE COMPLEX: 3659
KETOGLUTARIC ACIDS: 3659
KETONE BODIES: 284, 2767, 3471, 4125
KETONES: 179
KETOSIS: 1698
KETOSIS, DIABETIC: 3541
KETOSTEROIDS: 3593
17-KETOSTEROIDS: 74, 148, 329, 799, 1058, 1951, 1999, 2010, 2234, 2366, 2466, 2865, 2956, 3147, 3169, 3329, 3411, 3909, 3937, 4002, 4065, 4104
KIDNEY: 9, 31, 41, 98, 114, 129, 158, 180, 183, 206, 215–216, 237, 262, 291, 298, 324, 413, 443, 450, 461, 508, 511, 517, 580, 617, 619, 646, 681, 740, 856, 897, 1026, 1038, 1048, 1055, 1066, 1090–1092, 1097, 1105, 1107, 1118, 1127, 1139, 1160, 1172, 1194, 1205, 1217, 1241, 1281, 1284, 1304, 1332, 1358, 1374, 1424, 1463, 1472, 1496, 1512, 1542, 1559, 1581, 1598, 1600, 1639, 1646, 1651, 1680, 1687, 1800, 1830, 1893, 1928, 1930, 1934, 2005, 2063, 2070, 2085, 2089, 2102, 2109, 2136, 2152, 2154, 2159, 2161–2162, 2204, 2207, 2216, 2293, 2320, 2327, 2421, 2442, 2447, 2511–2512, 2520, 2571, 2587, 2590, 2667, 2671, 2684, 2687, 2693, 2695, 2697, 2708, 2742, 2759, 2764, 2777, 2785, 2828–2829, 2835, 2847, 2896, 2898, 2927–2928, 2936, 2972, 2979–2980, 2983, 2995, 3005, 3026, 3128, 3178–3180, 3183, 3208, 3278, 3286, 3304, 3338, 3375, 3416, 3458, 3531–3532, 3543, 3551, 3565, 3586, 3607–3608, 3638, 3711, 3810–3812, 3846, 3872, 3883, 3896, 3930–3931, 3967, 3987, 4023, 4054, 4090, 4096, 4103, 4122, 4205, 4207, 4236, 4276, 4284, 4298, 4377, 4404, 4415, 4418, 4436, 4519, 4525
KIDNEY CALCULI: 658, 884, 2785, 3208, 4004–4005
KIDNEY CONCENTRATING ABILITY: 216, 2102
KIDNEY CORTEX: 1471, 2421, 2518, 3129, 3338, 3967, 4181, 4236, 4342
KIDNEY, CYSTIC: 547
KIDNEY DISEASES: 105, 229, 309, 637, 740, 874, 893, 979, 1016, 1194, 1222, 1281, 1355, 1463, 1687, 2019, 2033, 2089, 2154, 2188, 2442, 2515, 2556, 2660, 2671, 2707, 2972, 3328, 3416, 3517, 3562, 3608, 4493
KIDNEY FAILURE, ACUTE: 45, 413, 517, 530, 1003, 1290, 2329, 2511–2512, 2660, 2922, 3069, 3761
KIDNEY FAILURE, CHRONIC: 140, 177, 231, 310, 315, 455, 461, 603, 605, 740, 856, 1066, 1107, 1202, 1281, 1340, 1374, 1433, 1538, 1651, 1693, 1830, 2013, 2178, 2393, 2433, 2512, 2556, 2660, 2684, 2695, 2835, 2843, 3297, 3650, 3761, 3796, 4167, 4475, 4481
KIDNEY FUNCTION TESTS: 413, 555, 740, 1061, 2109, 4004, 4276
KIDNEY GLOMERULUS: 139, 158, 254, 897, 1048, 1600, 2312, 2751, 2922, 2936, 2938, 3499, 3626, 4122, 4493
KIDNEY MEDULLA: 98, 324, 2936, 3338, 3608, 3967
KIDNEY NEOPLASMS: 104, 298, 487, 547, 703, 1198, 1313, 1360, 1634, 1745, 2320, 2614, 2936, 3101, 3889, 4428, 4493, 4525
KIDNEY PELVIS: 4525
KIDNEY, SPONGE: 4005
KIDNEY TUBULES: 34, 262, 398, 728, 1189, 1205, 1399, 1524, 1600, 1613, 1858, 2115, 2152, 2206, 2312, 2432, 2512, 2666, 2917, 3114, 3178–3179, 3297, 3499, 3812, 3863, 3878, 4122, 4189, 4284, 4351
KIDNEY TUBULES, COLLECTING: 98, 1524, 2936
KIDNEY TUBULES, DISTAL: 598, 728, 1088, 2162, 2327, 2936, 3878, 4189
KIDNEY TUBULES, PROXIMAL: 34, 98, 217, 254, 488, 897, 1995, 2036, 2936, 3180, 3878, 4098–4099
KILLER CELLS: 506, 1579, 2423, 3548
KINETICS: 24, 58, 92–93, 123, 168, 175, 233, 252, 255, 266, 282, 295, 300, 312, 314, 354–355, 358, 379, 394, 396, 415, 445, 485, 494, 498, 505, 521, 523, 536, 557, 595, 617, 621, 633, 657, 674, 684, 698, 733, 750, 754, 786, 827, 841–842, 876–877, 888, 901, 915, 928, 951, 983, 1054, 1059, 1065, 1089, 1109, 1231, 1245–1246, 1258, 1295, 1305, 1310, 1340, 1344, 1348, 1382, 1386, 1389, 1422, 1429, 1431, 1438, 1441, 1462, 1491–1492, 1494, 1498, 1512, 1514, 1518, 1520, 1545, 1547, 1559, 1584, 1596, 1600, 1635–1636, 1641, 1644–1645, 1674, 1688, 1696, 1710, 1715, 1757, 1772, 1819, 1836, 1846–1847, 1866, 1875, 1890, 1898, 1905, 1970, 1983, 1997, 2015, 2035, 2066, 2071, 2084, 2110, 2147, 2171, 2202, 2211, 2257, 2287, 2296, 2300, 2305, 2309, 2324, 2331, 2362, 2364, 2374, 2393–2394, 2408, 2410, 2448, 2453, 2479, 2498, 2510, 2520, 2523, 2533, 2541, 2680, 2689, 2693, 2733, 2749, 2757, 2766, 2771, 2784, 2797, 2801–2802, 2820, 2838, 2841–2842, 2876, 2888, 2900, 2911, 2930, 2945, 2948, 2952, 2975, 2978, 2986–2987, 3024, 3026–3027, 3042, 3065, 3067–3068, 3079, 3081, 3094, 3125, 3129, 3172, 3181, 3186–3187, 3190, 3199, 3218, 3253, 3258, 3260, 3275, 3287, 3301–3302, 3311, 3334, 3383, 3429, 3432, 3484, 3491, 3497, 3534, 3549, 3563, 3588, 3614, 3623, 3625, 3660, 3676, 3681, 3688–3689, 3708, 3762, 3826, 3850–3851, 3865, 3873, 3914–3915, 3976, 3996, 4044, 4093, 4098, 4110–4111, 4139, 4172, 4231, 4308–4310, 4335, 4346–4347, 4355, 4362, 4374, 4376, 4379, 4387, 4405–4406, 4438, 4468
KININASE II: 552, 581, 1528, 2215, 3585, 3752, 3794, 3862, 3931
KININOGENS: 3816
KININS: 1142, 1281, 1341, 1463, 1687, 2777, 2896, 3331, 3500, 3816, 3966
KLINEFELTER'S SYNDROME: 1135, 1253, 1459, 2653, 3485, 4115
KNEE: 2834
KNEE JOINT: 692, 1179, 3358
KNOWLEDGE, ATTITUDES, PRACTICE: 3062
KORSAKOFF'S SYNDROME: 2252
KREBS CYCLE: 465
KUPFFER CELLS: 154
KVEIM TEST: 1750, 2808
KYMOGRAPHY: 4069
KYNURENINE: 1355
KYPHOSIS: 1753, 4354

L

L CELLS: 2426
LABOR: 590, 781, 826, 850, 1257, 1267, 1741, 2050, 2254, 2391, 2630, 2634, 2646, 2867, 3073, 3234–3235, 3361, 3538, 3595, 3756, 3977, 4007
LABOR COMPLICATIONS: 1125, 1902, 2593, 3580, 4007
LABOR, INDUCED: 239, 1005, 1133, 1201, 1622, 2778, 3072, 4353
LABOR ONSET: 1267
LABOR, PREMATURE: 243, 281, 1267, 2436, 2933
LABOR STAGE, FIRST: 2254
LABOR STAGE, SECOND: 2254, 3595
LABOR STAGE, THIRD: 1132, 2025, 2254
LACRIMAL APPARATUS: 493
LACTATE DEHYDROGENASE: 38, 187, 253, 634, 1609, 2710, 2983, 3253, 4227, 4470
LACTATE DEHYDROGENASE ISOENZYMES: 1239, 2258, 3119, 3494
LACTATES: 934, 2047, 2229, 2284, 2324, 2381, 2392, 2414, 2652, 2767, 2906–2907, 3210, 3419, 3443, 3863, 4357
LACTATION: 96, 223, 255, 284, 312, 325, 395, 484, 486, 500, 512, 670, 763, 1102, 1238, 1395, 1468, 1498, 1698, 1724, 1813, 1971, 1983, 2150, 2258, 2285, 2424, 2440, 2497, 2623, 2662, 2694, 2784, 3038, 3194, 3228, 3249, 3284, 3312, 3325, 3330, 3342, 3346, 3427, 3454, 3743, 3823, 3849, 3854, 3856, 3977, 3985, 4133, 4213, 4244, 4409, 4413, 4416, 4435, 4523, 4531
LACTATION DISORDERS: 717, 1196, 1717, 3360, 3803, 4018, 4083, 4435, 4453
LACTOBACILLUS ACIDOPHILUS: 1765
LACTONES: 2662
LACTOSE: 1492, 1699, 2359, 3454, 4087, 4254
LACTOSE PHOSPHOTRANSFERASE: 1492
LACTULOSE: 1701
LAGOMORPHA: 3735, 3809, 4244
LAMINECTOMY: 999
LAMPREYS: 1226, 2560
LANATOSIDES: 1570–1571
LANTHANUM: 145, 1590, 1935, 2802, 3077
LAPAROTOMY: 744, 862, 2375
LARVA: 185, 1703, 2139
LARYNGEAL EDEMA: 4221
LARYNGEAL NEOPLASMS: 426, 1738, 2330, 2422, 4507
LARYNGEAL NERVES: 4048
LARYNGITIS: 3748
LARYNX: 2669
LASALOCID: 723–724, 1583
LASER COAGULATION: 3379
LASERS: 672, 3816
LATERALITY: 3231
LATEX FIXATION TESTS: 731
LATHYRISM: 1963
LAUGHTER: 3021
LAURENCE-MOON-BIEDL SYNDROME: 3011
LE CELLS: 874, 1647
LEAD: 3389, 4155, 4436
LEARNING: 952, 2128
LECITHIN ACYLTRANSFERASE: 273
LECTINS: 155, 2002, 2492, 3921
LEG: 1773, 2462, 2839, 3684
LEG DERMATOSES: 3848
LEGISLATION, DRUG: 2200
LEGISLATION, FOOD: 1904, 3544
LEGISLATION, PHARMACY: 3544
LEIOMYOMA: 218, 977, 3104–3105, 3435
LEIOMYOSARCOMA: 2422
LEMURS: 414
LENGTH OF STAY: 4491
LENS, CRYSTALLINE: 435, 1078, 1401, 2074, 2904
LENTIGO: 4408
LEPROSY: 3652, 3862
LETHAL DOSE 50: 76, 2389, 3223
LEUCINE: 279, 2206, 2344, 3863, 4254
LEUCINE AMINOPEPTIDASE: 937, 3115
LEUKEMIA: 1003, 1255, 2119, 3248
LEUKEMIA, EXPERIMENTAL: 396, 949, 2214, 2570, 3917
LEUKEMIA, HAIRY CELL: 1343
LEUKEMIA, LYMPHOBLASTIC: 220, 299, 1982, 2572, 3267, 3406, 3887, 4338, 4489
LEUKEMIA, LYMPHOCYTIC: 1797, 2659, 3826, 4252
LEUKEMIA, MYELOBLASTIC: 693, 1886, 1931, 2619
LEUKEMIA, MYELOCYTIC: 643, 665, 3917
LEUKOCYTE COUNT: 27, 162, 257, 359, 573, 727, 1434, 1493, 1509, 1551, 2377, 2380, 3025, 3498, 3624, 4112, 4141
LEUKOCYTE CULTURE TEST, MIXED: 359, 3662, 3921, 4438
LEUKOCYTES: 525, 573, 988, 2357, 2840, 2891, 2959, 3246, 3635, 3858, 4201, 4369
LEUKOCYTOSIS: 643, 3635

LEUKOPENIA: 2154, 2677
LEUPEPTINS: 2680
LEVAMISOLE: 641, 690, 1019, 1642, 1801, 2231, 3025
LEVODOPA: 474, 830, 881, 1376, 1582, 1701, 1783, 2130, 2231, 2317, 2352, 2648, 2726, 2970, 3012, 3256, 3292, 3445, 3589, 3772, 3803, 4070, 4082
LEVORPHANOL: 1235, 1473
LEYDIG CELL TUMOR: 2156, 2649
LEYDIG CELLS: 339, 1681, 1843, 2178, 2384, 2610, 2678, 3094, 3326, 3549, 3629, 3958, 4287
LH: 1, 18, 72, 92, 100, 126, 142–143, 202, 230, 238, 294, 325, 345, 360, 367, 369, 392, 474, 495, 548, 565, 584, 612, 652, 694, 697–698, 730, 748, 761–762, 768, 819, 825, 847, 916, 950, 997, 1004, 1021–1022, 1046, 1075, 1110, 1128, 1153, 1164, 1225, 1236, 1247, 1272, 1301, 1315–1316, 1327, 1386, 1396–1397, 1421, 1425, 1500, 1503, 1521–1522, 1566, 1582, 1618–1619, 1630, 1648, 1651, 1677, 1686, 1751, 1784, 1806, 1884, 1933, 1957, 1962, 1967, 1970, 2012, 2049, 2081, 2091, 2107–2108, 2116, 2148, 2167, 2175, 2179, 2199, 2263, 2274, 2290, 2297, 2304, 2317, 2324–2325, 2337, 2429, 2438, 2475, 2540, 2545, 2575, 2601, 2609, 2618, 2664, 2686, 2688, 2769, 2799, 2806, 2822, 2848, 2862, 2865, 2874, 2881, 2937, 2953, 2987, 3074, 3094, 3117, 3138, 3144, 3149, 3157, 3194, 3213, 3232, 3249, 3263, 3272, 3282, 3326, 3344, 3360, 3368, 3377, 3380, 3411, 3429, 3472, 3479, 3485, 3487, 3490, 3504, 3530, 3576, 3606, 3629, 3653, 3771, 3805, 3845, 3860, 3907, 3909, 3916, 3937, 3958–3960, 3972, 3991, 4002, 4015, 4018, 4022, 4038, 4065, 4092, 4096, 4104, 4115, 4136, 4187–4188, 4190, 4213, 4248–4250, 4329, 4348–4349, 4411
LH-FSH RELEASING HORMONE: 143, 345, 360, 367, 392, 565, 652, 715, 748, 847, 965, 1075, 1146, 1153, 1164, 1224, 1301, 1386, 1440, 1503, 1618, 1677, 1686, 1806, 1809, 1884, 1912, 1929, 1962, 1970, 1972, 2012, 2057, 2081, 2091, 2107–2108, 2116, 2178–2179, 2199, 2283, 2369, 2429, 2438, 2540, 2545, 2653, 2799, 2806, 2865, 2874, 2881, 2953, 3039, 3117, 3368, 3380, 3385, 3420, 3504, 3576, 3618, 3700, 3909, 3937, 3959–3960, 4022, 4190, 4213, 4248, 4356, 4411
LIBIDO: 474, 1266, 1651, 1844, 3674, 4268
LICHEN PLANUS: 3864
LIDOCAINE: 1744, 3320
LIFE EXPECTANCY: 994, 1480
LIGANDS: 67, 990, 1285, 1379, 1465, 2842, 3540, 4341
LIGASES: 2287
LIGATION: 3028, 3638, 4401
LIGHT: 63, 137, 353, 404, 758, 1165, 1384, 1589, 1640, 1669–1670, 1771, 1992, 2126, 2240, 2401, 2957, 2969, 3207, 3653, 3904, 3991, 4132, 4272
LIGHT COAGULATION: 1903, 3379
LIGHTING: 3185
LIMBIC SYSTEM: 21, 475, 542–543, 1149, 1366, 1682, 1721
LINKAGE (GENETICS): 1041, 1987, 2174, 2382, 3288, 3550, 4228, 4419
LINOLEIC ACIDS: 113, 521, 2821
LIP DISEASES: 2379
LIPASE: 585, 877, 1553, 3500, 4395
LIPID METABOLISM, INBORN ERRORS: 1237
LIPID MOBILIZATION: 521, 1068, 1549, 1553, 2362
LIPIDS: 194, 263, 273, 278, 284, 331, 351, 456, 465, 624, 749, 868, 880, 1102, 1117, 1174, 1217, 1311, 1335, 1337, 1450–1451, 1549, 1561, 2010, 2029, 2082, 2142, 2303, 2414, 2435, 2476, 2831, 2929, 3312, 3330, 3415, 3417, 3453, 3465, 3484, 3495, 3570, 3643, 3775, 3799, 3870, 3883, 3904, 4373, 4395, 4416
LIPOAMIDE DEHYDROGENASE: 3904
LIPODYSTROPHY: 1943, 2199
LIPOIC ACID: 625
LIPOMA: 487
LIPOPOLYSACCHARIDES: 2625, 4144
LIPOPROTEIN LIPASE: 177, 441, 1191
LIPOPROTEINS: 749, 888, 892, 1339, 1888, 2450, 2784, 3124, 3307, 3495, 3551, 3566, 3883, 4308, 4416
LIPOPROTEINS, HDL: 93, 1339, 3061, 4008
LIPOPROTEINS, LDL: 93, 696, 1339, 2579, 4008
LIPOPROTEINS, VLDL: 177, 1339, 4008
LIPOSOMES: 2257, 3817, 4011
LIPOTROPIN: 269, 315, 2750, 3666
LIPOXYGENASES: 2476
LITHIUM: 349, 528, 645, 996, 1840, 2172, 2702, 2768, 3198, 3256, 3412, 3645, 4146
LITHOCHOLIC ACID: 1496
LITTER SIZE: 3756
LIVER: 17, 92, 97, 130, 171, 194, 219, 237, 266, 273, 284, 300, 312, 331, 354, 433–434, 508, 535, 585, 594, 617, 619, 660, 681, 754, 802–803, 817, 888, 892, 898, 964, 983, 1000, 1053–1054, 1076, 1081, 1160–1162, 1186, 1190, 1217, 1273, 1332, 1337, 1372, 1387, 1406, 1431, 1454, 1458, 1496, 1549, 1553, 1581, 1586, 1602, 1615, 1635, 1639, 1646, 1683, 1696, 1703, 1715, 1756, 1772, 1819, 1847, 1863, 1875, 1877, 1888, 1923, 1949–1950, 1976, 1979, 1988, 2035, 2085, 2125, 2141, 2143, 2159, 2180–2181, 2189, 2194, 2279, 2287, 2292, 2296, 2331, 2353, 2386–2387, 2402, 2414, 2431, 2443, 2446, 2453, 2492–2493, 2523, 2533, 2571, 2668, 2670, 2680, 2684, 2689, 2782, 2790, 2827, 2888, 2910, 2921, 2964, 2980, 2983, 3009, 3026, 3037, 3058, 3118, 3295, 3342, 3355, 3359, 3363, 3386, 3392, 3396, 3402, 3425, 3494–3495, 3523, 3534, 3687, 3695, 3708, 3720, 3725, 3741, 3743, 3754, 3766, 3797, 3819, 3922, 3933, 3968, 3971, 4008, 4035, 4044, 4096, 4125, 4165, 4184, 4191, 4283, 4308–4309, 4316, 4331, 4337, 4361, 4401, 4424
LIVER ABSCESS, AMEBIC: 88, 3280
LIVER CIRCULATION: 1091, 4017
LIVER CIRRHOSIS: 361, 413, 875, 893, 1161, 2000, 2045, 2154, 2178, 2180–2181, 2626, 3488, 3613, 3643, 3979
LIVER CIRRHOSIS, ALCOHOLIC: 288, 555, 1439, 1949, 2492, 2921, 4152, 4528
LIVER CIRRHOSIS, BILIARY: 3862
LIVER DISEASES: 253, 491, 555, 844, 938, 1272, 1281, 1350, 1387, 1502, 1687, 1949, 2188, 2194, 2686, 3280, 3382, 3613, 3862
LIVER DISEASES, ALCOHOLIC: 253, 1759, 1949, 2921, 3280
LIVER DISEASES, PARASITIC: 594
LIVER FUNCTION TESTS: 660, 1701, 2194, 2431, 2921
LIVER GLYCOGEN: 171, 1309, 1337, 1549, 2387, 2402, 2670, 2782, 2790, 2964, 3766, 3971
LIVER NEOPLASMS: 75, 97, 118, 311, 361, 433–434, 487, 597, 779, 833, 1025, 1083, 1620, 1988, 2387, 2538, 2827, 2910, 3363, 3392, 4289, 4428
LIVER REGENERATION: 1162, 2375, 2523, 3534, 3766, 3922
LIZARDS: 103, 939, 1309, 1451, 1606
LOCOMOTION: 1474
LOCUS COERULEUS: 30, 592, 3884
LOEFFLER'S SYNDROME: 3212
LOMUSTINE: 4237
LONG-ACTING THYROID STIMULATOR: 795, 1659, 1826, 2641, 2716, 3932, 4259, 4389
LONG TERM CARE: 199, 2215
LONGEVITY: 838
LONGITUDINAL STUDIES: 1700, 3551, 4444
LOOP OF HENLE: 34, 98, 897, 2327, 2936
LORAZEPAM: 2992
LUMBAR VERTEBRAE: 999, 1388
LUMBOSACRAL REGION: 2176, 2524
LUMINESCENCE: 1584
LUMINESCENT PROTEINS: 546
LUNG: 59, 206, 237, 492, 510, 593, 681, 793, 913, 964, 1010, 1032, 1080, 1245–1246, 1254, 1322, 1352, 1413, 1628, 1750, 1928, 1956, 2006, 2011, 2442, 2453, 2580, 2667, 2711, 2923, 2975–2976, 3026, 3547, 3754, 3767, 3794, 3872, 3970, 3998, 4167, 4218, 4536
LUNG DISEASES: 340, 1041, 2014, 2859, 3353, 4200, 4537
LUNG DISEASES, OBSTRUCTIVE: 2616
LUNG NEOPLASMS: 11, 232, 253, 259, 597, 623, 779, 1011, 1198, 1303, 1767, 2097, 2113, 2418, 2659, 2698, 2910, 3016, 3328, 4033, 4106, 4171, 4420, 4528
LUPUS ERYTHEMATOSUS, DISCOID: 3071
LUPUS ERYTHEMATOSUS, SYSTEMIC: 139, 277, 923, 979, 1493, 1513, 1647, 1902, 2908–2909, 3010, 3071, 3277, 3864, 3918, 4510
LUTEIN CELLS: 1400
LUTEOLYTIC AGENTS: 4051
LYASES: 322, 4427
LYMNAEA: 1414, 3076, 3174
LYMPH: 2976
LYMPH NODE EXCISION: 931
LYMPH NODES: 154, 482, 630, 1173, 1194, 1417, 1747, 2131, 2808, 3413, 3482, 4056, 4170, 4200, 4523, 4525
LYMPHANGIECTASIS: 1882
LYMPHANGIOMA: 4527
LYMPHANGITIS: 259
LYMPHATIC DISEASES: 2658
LYMPHATIC METASTASIS: 11, 670, 779, 1030, 1308, 1417, 1652, 1860, 1909, 2262, 2582, 2985, 2990, 3717, 4211, 4251, 4527
LYMPHATIC SYSTEM: 994, 3028, 4369
LYMPHEDEMA: 2164, 2462, 3848
LYMPHOCYTE DEPLETION: 234
LYMPHOCYTE TRANSFORMATION: 155, 803, 924, 1167, 1588, 1718, 1925, 2550, 3921
LYMPHOCYTES: 154–155, 201, 234, 257, 522, 731, 770, 949, 1231, 1291, 1415, 1596, 1718–1719, 1858, 1925, 1977, 2171–2172, 2380, 2488, 2550, 2570, 2691, 2791, 2872, 3414, 3553, 3798, 3826, 3921, 4056, 4173, 4271, 4422, 4438
B-LYMPHOCYTES: 359, 731, 924, 1167, 1231, 1291, 1415, 1436, 1493, 1977, 1987, 2131, 2872, 3582, 3763
T-LYMPHOCYTES: 220, 234, 251, 359, 522, 731, 874, 924, 949, 1175, 1231, 1415, 1493, 1710, 1977, 2131, 2423, 2625, 3111, 3662, 3763, 3987, 4141, 4271, 4400, 4418
LYMPHOCYTOSIS: 1735
LYMPHOGRAPHY: 344, 3413
LYMPHOID TISSUE: 3119, 3270, 4141
LYMPHOKINES: 154, 1925, 2380, 2691, 3858
LYMPHOMA: 320, 358, 482, 518, 539, 1182, 1510, 1829, 2168, 2262, 2301, 2546, 2783, 2920, 3248, 3363, 3452, 3827, 3952, 4285, 4496, 4525
LYMPHOPENIA: 257, 1415, 1493
LYMPHOPROLIFERATIVE DISORDERS: 2135
LYMPHOSARCOMA: 539, 1144, 1529, 1735, 2135, 3647
LYNESTRENOL: 95, 738, 1881, 2167, 3298
LYPRESSIN: 1602, 2997, 3055, 3895
LYSERGIC ACID DIETHYLAMIDE: 16, 205, 1292, 1390, 2841–2842
LYSINE: 3081, 3863
LYSOPHOSPHATIDYLCHOLINES: 2495, 4309
LYSOSOMES: 7, 383, 827, 877, 1795, 1959, 2793, 3528, 3538, 3553, 3706, 3845

M

MACACA: 268, 504, 1054, 2197, 2629, 2631, 3597
MACROGLOBULINEMIA: 2135
MACROGLOBULINS: 2451
MACROGLOSSIA: 149
MACROMOLECULAR SYSTEMS: 415, 640, 698, 1674–1675, 1789, 1857, 3094, 3661, 3923, 3986, 4063
MACROPHAGES: 377, 1287, 1436, 1663, 1925, 2360, 2426, 2550, 3350, 3528, 3553, 3706
MAGNESIUM: 14, 36, 187, 216, 224, 261, 358, 482, 798, 805, 884, 897, 915, 943, 1129, 1202, 1436, 1494, 1531, 1590, 1592, 1710, 1713, 1879, 1897, 1924, 1944, 2062, 2115, 2159, 2300, 2329, 2365, 2423, 2494, 2512, 2603, 2618–2619, 2628, 2671, 2749, 2843, 2852, 3161, 3198, 3225, 3258, 3296, 3718, 3827, 3871, 3891, 3950, 4044, 4139
MAGNESIUM DEFICIENCY: 647, 897, 2512, 3712, 3718
MAGNESIUM SULFATE: 2229
MAGNETICS: 4089
MALABSORPTION SYNDROMES: 1160, 1690, 2543, 3139
MALACOPLAKIA: 4443
MALARIA: 3736
MALATES: 3659
MALEATES: 4383
MALIGNANT CARCINOID SYNDROME: 77
MALOCCLUSION: 2486
MALOCCLUSION, ANGLE CLASS III: 2486
MALONDIALDEHYDE: 2831
MALONYL COENZYME A: 1983
MALPRACTICE: 218, 4526
MAMMAE: 255, 484, 1167, 1238, 1345, 1368, 1468, 1498, 1617, 1699, 1918, 1983, 2133, 2258, 2359, 2755, 2846, 3176, 3312, 3342, 3454, 3738, 3854–3856, 4116
MAMMALS: 2382, 3228, 3735, 3809, 4244, 4415

MAMMARY CANCER VIRUS: 4116, 4413
MAMMARY NEOPLASMS, EXPERIMENTAL: 8, 445, 971, 1100, 1504, 1710, 1941, 2007, 2258, 3176, 4515
MAMMILLARY BODIES: 1224, 3700
MAMMOGRAPHY: 151, 1620
MANDELIC ACIDS: 2726
MANDIBLE: 478, 784, 1960, 3354, 4474
MANDIBULAR DISEASES: 784, 3354
MANDIBULAR NEOPLASMS: 3520
MANDIBULOFACIAL DYSOSTOSIS: 419, 610
MANGANESE: 14, 1531, 1592, 1887, 2300, 3996, 4442
MANNITOL: 893, 1031, 1178, 1613, 4284, 4460, 4512
MANOMETRY: 798, 3361
MAPROTILINE: 4359
MARMOSETS: 3592
MARMOTS: 1197
MARRIAGE: 3346, 3558, 3815
MARSUPIALIA: 1236, 4244
MASS FRAGMENTOGRAPHY: 271, 1567–1568, 2726–2727
MASS SCREENING: 10, 420, 812, 872, 1404, 1790, 2223, 4375
MASSAGE: 2164, 3781, 4409
MAST CELLS: 1887, 1964, 2870, 3289, 3378, 4019, 4312
MASTECTOMY: 3004, 3103
MASTITIS: 96
MASTITIS, BOVINE: 3823
MATERNAL AGE: 2236, 3109, 3849, 4166
MATERNAL BEHAVIOR: 4213, 4244
MATERNAL-FETAL EXCHANGE: 19, 97, 227, 596, 826, 992, 1169, 1219, 1372, 1752, 1994, 2065, 2075, 2563, 2583, 2611, 2716, 2788, 2821, 2838, 3035, 3314, 3425, 3866, 4122, 4166, 4191
MATHEMATICS: 415, 742, 846, 1033, 1256, 1348, 1379, 1412, 1457, 2678, 3032, 3143, 3174, 3323
MAXILLARY SINUS: 2311
MAXILLOFACIAL INJURIES: 3586
MAXIMUM PERMISSIBLE EXPOSURE LEVEL: 2065
MAZINDOL: 221
MEASLES: 4489
MEAT: 1639, 1646, 1668, 1904, 2699, 2732, 2984, 3777, 4333
MECAMYLAMINE: 3696
MECHANORECEPTORS: 156, 1172
MECHLORETHAMINE: 2783, 3363
MECLOFENAMIC ACID: 254, 258, 1044, 2708
MEDIAN EMINENCE: 548, 1082, 1224, 1648, 2116, 2129, 2592, 2776, 2881, 3080, 4073, 4329
MEDIAN FOREBRAIN BUNDLE: 1461
MEDIASTINAL NEOPLASMS: 77, 1931, 2501, 2606, 2658, 3099
MEDIASTINUM: 1956, 3717, 4000
MEDICAL HISTORY TAKING: 1079
MEDICINE IN ART: 1480
MEDROXYPROGESTERONE: 83, 235, 511, 857, 992, 1093, 1774, 2532, 3206, 3546, 3600, 4022, 4197
MEDULLA OBLONGATA: 2116, 2153, 2973, 4060
MEDULLOBLASTOMA: 406, 2228, 4064, 4255
MEGACOLON: 3097
MEGACOLON, TOXIC: 2584
MEGAKARYOCYTES: 3254
MEGESTROL: 736, 738, 1274, 1339, 2762–2763, 3252
MEGLUMINE DIATRIZOATE: 1615
MEGLUMINE IOTHALAMATE: 2837
MEIOSIS: 807, 1825, 3840, 4228
MELANINS: 1415, 1560, 2805
MELANOCYTES: 1560, 1599, 1624
MELANOMA: 1868, 2097, 2805, 4171
MELANOPHORES: 185
MELATONIN: 20, 72, 185, 214, 493, 638, 758, 2401, 3997, 4026, 4215, 4344, 4515
MELENGESTROL: 2467–2468, 4418
MELPHALAN: 2131, 3148, 3705, 4433, 4514
MEMBRANE FLUIDITY: 2757, 3287, 3524
MEMBRANE LIPIDS: 1251, 1883, 1977, 2550, 3190, 3604, 3660
MEMBRANE POTENTIALS: 135, 144–145, 349, 448, 513, 728, 922, 1229, 1744, 1748, 1754, 2003, 2907, 3174, 3709, 3779, 3806, 4379
MEMBRANE PROTEINS: 117, 201, 481, 659, 905, 960, 993, 1846, 1897, 2209, 2253, 2410, 3190, 3287, 3453, 3623, 3660, 3789, 4247, 4303, 4321
MEMBRANES: 14, 484, 932, 1659, 2222, 2533, 2893, 3681, 3998, 4439
MEMBRANES, ARTIFICIAL: 188, 1951
MEMORY: 393, 757, 952, 1235, 1637, 2128, 2252, 3055
MEMORY DISORDERS: 1587, 2252
MEMORY, SHORT-TERM: 1479
MENARCHE: 1504, 4219, 4300
MENIERE'S DISEASE: 4370
MENINGEAL NEOPLASMS: 1965
MENINGES: 3970
MENINGIOMA: 946, 1720, 1868, 1965, 3315
MENINGITIS: 2524
MENINGITIS, MENINGOCOCCAL: 1509, 2437
MENINGITIS, PNEUMOCOCCAL: 1509
MENINGOCOCCAL INFECTIONS: 4528
MENINGOMYELOCELE: 2524, 3818
MENOPAUSE: 20, 115, 355, 760, 790, 927, 992, 1116, 1497, 1810, 1828, 1844, 1922, 1973, 1981, 2173, 2200, 2208, 2239, 2266, 2418, 2478, 2490, 2534, 2582, 2752, 2765, 2794, 2831–2832, 3004, 3008, 3053–3054, 3092, 3261, 3283, 3487, 3504, 3532, 3674, 3945, 4188, 4219, 4371, 4506, 4519
MENOPAUSE, PREMATURE: 950
MENORRHAGIA: 2997
MENOTROPINS: 305, 1278, 1834, 2472–2473, 2527, 2624, 2864, 3120, 3191, 3479, 3805
MENSTRUATION: 48, 207, 345–346, 497, 505, 737–738, 756, 883, 992, 1007, 1071, 1093, 1131, 1239, 1375, 1398, 1453, 1469, 1619, 1625, 1686, 1730, 1810, 1812, 1884, 2091, 2167, 2241, 2285, 2304, 2342, 2406, 2463, 2517, 2582, 2683, 2806, 2874, 2891, 2937, 3060, 3140, 3215, 3360, 3370, 3474, 3504, 3510, 3559, 3574, 3597, 3961, 4015, 4040, 4049, 4083, 4329, 4358, 4450
MENSTRUATION DISORDERS: 207, 389, 2049, 2274, 2466, 2593, 2683, 3169, 4083, 4162
MENSTRUATION, FOLLICULAR PHASE: 505, 685, 1209, 1625, 2874, 3057, 3961
MENSTRUATION, LUTEAL PHASE: 46, 1009, 1400, 1625, 2091, 2317, 2466, 2874, 2937, 3057, 3380, 3961
MENTAL DISORDERS: 2055, 2072, 2352, 2925, 3089, 4459
MENTAL PROCESSES: 1164
MENTAL RETARDATION: 50, 772, 1681, 2310, 3502, 4076, 4105, 4163
MEPERIDINE: 1373
MERCAPTOETHANOL: 1490, 1925
MERCAPTOPROPIONYLGLYCINE: 2677
MERCAPTOPURINE: 220, 2572, 3267, 3406
MERCURY: 348, 1238
MERSALYL: 348
MESCALINE: 2567
MESENCEPHALON: 21, 102, 985, 1249, 1366, 1633, 1721, 2973, 3700
MESENCHYMOMA: 1025
MESENTERIC ARTERIES: 78, 236, 1420, 1430, 2268, 2963, 3786, 4193
MESENTERIC VEINS: 968, 2840
MESENTERY: 2963
MESOCRICETUS: 1044, 1396, 2250, 2320, 2531, 2781, 2879, 4215
MESONEPHROMA: 1885, 2157, 2822, 2825, 3392
MESOTHELIOMA: 3690
MESTEROLONE: 2557, 2804
MESTRANOL: 1339, 1350, 1561, 1881, 1988, 3173, 3346, 3380
METABOLIC CLEARANCE RATE: 355, 1783, 2510, 2656, 3100, 3172
METABOLIC DETOXICATION, DRUG: 4194, 4237
METABOLIC DISEASES: 1966, 2042–2043, 2619, 4445, 4459
METABOLISM: 456, 1217, 2392, 3419
METABOLISM, INBORN ERRORS: 3405, 3678
METACARPUS: 3511
METALLOPROTEINS: 1891, 2085, 3676
METALLOTHIONEIN: 450, 1053, 2085
METAMORPHOSIS, BIOLOGICAL: 2139, 3088
METARAMINOL: 3233
METESTRUS: 2369
METHACHOLINE COMPOUNDS: 882, 2319, 3696
METHACRYLATES: 1111
METHADONE: 607, 2356, 4121, 4268, 4297
METHAMPHETAMINE: 726, 2101
METHANDROSTENOLONE: 2184
METHANE: 405
METHERGOLINE: 1215, 3303, 4359
METHICILLIN: 1121
METHIMAZOLE: 996, 2264, 3836, 4389
METHIONINE: 123, 625, 1979, 2125
METHODS: 47, 68, 203, 412, 476, 494, 602, 689, 801, 814, 942, 1040, 1045, 1082, 1086, 1115, 1122, 1221, 1313, 1356, 1378–1379, 1391–1392, 1495, 1502, 1604, 1619, 1634, 1650, 1723, 1725, 1785, 1842, 1865, 1903, 1978, 1993, 2021, 2181, 2225, 2278, 2286, 2295, 2306, 2444, 2466, 2554, 2633, 2655, 2761, 2853, 2887, 2891, 2994, 3077, 3145, 3298, 3348, 3524, 3550, 3598, 3648, 3779, 3823, 3937, 3973, 4053, 4081, 4199, 4206, 4344, 4444, 4483
METHOTREXATE: 299, 445, 595, 929, 1144, 1297, 1346, 1543, 1652, 2572, 2728, 3277, 3406, 3763, 4433
METHOXAMINE: 2237
METHOXSALEN: 1385, 3308
METHOXYFLURANE: 2019
METHOXYHYDROXYPHENYLGLYCOL: 319, 2727, 3229–3230, 4151
METHOXYTRYPTAMINE: 16, 314
METHYL ETHERS: 4003
1-METHYL-3-ISOBUTYLXANTHINE: 1421, 1490, 1566, 2337, 2359, 2797, 3189, 3813, 3843
METHYL MERCURY COMPOUNDS: 1372, 3707, 3817
METHYLATION: 16, 178, 190, 1391, 3009, 3725
METHYLCHOLANTHRENE: 402, 1067, 2110
METHYLDIMETHYLAMINOAZOBENZE: 433
METHYLDOPA: 134, 1481, 4285
METHYLDOPAHYDRAZINE: 2970, 3292, 3772
METHYLENE BLUE: 197
METHYLGLUCOSIDES: 1518, 4270
METHYLHISTAMINES: 578
METHYLMANNOSIDES: 295
METHYLMETHACRYLATE: 3782
METHYLNITRONITROSOGUANIDINE: 754
METHYLNITROSOUREA: 1182, 2375
METHYLPHENIDATE: 3470
METHYLPREDNISOLONE: 445, 531, 534, 550, 635, 681, 731, 923, 988, 1258, 1335, 1352, 1502, 1623, 1959, 2168, 2360, 2574, 2620, 2787, 2791, 3010, 3446, 3523, 3565, 3622, 3648, 4314, 4438
METHYLTESTOSTERONE: 73, 1632, 3140
METHYLTHIOURACIL: 2861, 3171
METHYLTRANSFERASES: 1458, 2453
METHYLTYROSINES: 203, 292, 822, 830, 2129, 2567, 2845, 3233
METHYLUREA COMPOUNDS: 399
METHYSERGIDE: 575, 982, 1507, 1776, 2129, 2197, 2567, 3310, 4186, 4394
METIAMIDE: 78, 1408, 1507, 2190, 2197, 2349
METOLAZONE: 2327
METOPROLOL: 2428
METRIZAMIDE: 2454
METRORRHAGIA: 2057
METYRAPONE: 323, 402, 1402, 1863, 2021, 2110, 2350, 3420, 4362, 4390
MEVALONIC ACID: 273, 2784
MICE: 27, 37, 54, 76, 82, 84, 96–97, 122, 171, 181, 198, 222, 240, 251, 300, 313, 318, 327, 330, 341–342, 402, 404, 415, 445, 460, 464, 470, 503, 506, 508, 511, 568, 594, 617, 640, 695, 700, 734, 805, 874, 949, 1010, 1013, 1075, 1118, 1139, 1176, 1182, 1225, 1229, 1238, 1255, 1263, 1270, 1354, 1358, 1372, 1383, 1388, 1405, 1408, 1418, 1423, 1465, 1555, 1579, 1595, 1617, 1624, 1637, 1658, 1661, 1692, 1732, 1756, 1761, 1776, 1808, 1816, 1843, 1869, 1896, 1916, 1918, 1941, 1961, 1974, 1977, 1987, 1994, 2007, 2037, 2051, 2130, 2147, 2150, 2206, 2227, 2301, 2351, 2360, 2380, 2389, 2402, 2423, 2448, 2480, 2493, 2496, 2555, 2570, 2604–2605, 2625, 2641, 2677, 2735, 2753, 2800, 2805, 2877, 2911, 2923, 2962, 2991, 3013, 3037, 3044, 3065, 3091, 3111, 3113, 3223, 3228, 3232, 3276, 3342, 3389, 3458, 3460, 3481, 3483, 3548, 3553, 3573, 3582, 3612, 3636, 3644, 3679, 3691, 3703, 3706, 3736, 3767, 3785, 3787, 3817, 3822, 3827, 3843, 3869, 3880, 3903, 3905, 3927, 3948, 3967, 3978, 3984, 4024, 4050, 4056, 4068, 4084, 4111–4112, 4116, 4129–4130, 4132, 4138, 4141, 4170, 4192, 4228, 4253, 4258, 4271, 4281, 4306,

4339, 4345, 4374, 4400, 4412, 4424–4425, 4432, 4448
MICE, INBRED AKR: 2570, 3948
MICE, INBRED BALB C: 3111, 3113, 3548, 3827
MICE, INBRED CBA: 327, 1388, 1732, 1987
MICE, INBRED C3H: 84, 445, 1617, 1658, 1896, 4056, 4306
MICE, INBRED C57BL: 84, 318, 327, 402, 1658, 1661, 1732, 1961, 1994, 3548, 3948, 3984, 4116, 4271, 4306, 4400
MICE, INBRED DBA: 318, 402, 1987, 3548, 3948
MICE, INBRED ICR: 700, 1423, 2570, 3703, 4050, 4425
MICE, INBRED NZB: 3548
MICE, INBRED STRAINS: 96–97, 342, 1372, 1555, 1595, 2051, 3111, 3113, 3869, 4129–4130, 4141, 4306, 4345
MICE, NEUROLOGIC MUTANTS: 54, 198
MICE, NUDE: 506, 1176, 2943
MICE, OBESE: 1229, 2402, 2480, 3691, 3984
MICELLES: 2241
MICROBODIES: 2687
MICROCHEMISTRY: 494, 855, 1018, 1211, 2444, 3323, 4256, 4398
MICROCIRCULATION: 656, 2574, 3463, 3794, 3925
MICROCOCCUS: 1819
MICROELECTRODES: 1748, 4364
MICROFILAMENTS: 943, 2186, 3313
MICROINJECTIONS: 2153
MICROSCOPY: 846, 4264
MICROSCOPY, ELECTRON: 7, 35, 56, 103, 871, 943, 1027, 1057, 1314, 1401, 1624, 1663, 1780, 1829, 2016, 2058, 2087, 2097, 2413, 2595, 2606, 2678, 2772, 2840, 2848, 2917, 2931, 2955, 3033, 3190, 3246, 3372, 3714, 3740, 3805, 4020, 4088, 4108, 4120, 4124, 4147, 4217, 4264, 4482
MICROSCOPY, ELECTRON, SCANNING: 784, 1663, 2397, 2617, 2765, 2824, 3557, 4020, 4033, 4222, 4264
MICROSCOPY, FLUORESCENCE: 35, 805, 1598, 2959, 3378, 4041
MICROSCOPY, PHASE CONTRAST: 3221
MICROSCOPY, POLARIZATION: 1963
MICROSOMES: 169, 201, 215, 322, 485, 557, 805, 829, 1141, 1298, 1402, 1468, 1512, 1959, 2339, 2712, 2725, 2757, 3130, 3484, 3510, 4197, 4269
MICROSOMES, LIVER: 215, 252, 402, 1067, 1847, 1949, 1976, 2110, 2181, 2264, 2689, 2838, 3027, 3137, 3295, 3975, 4132, 4316, 4424
MICROSPHERES: 3704, 3731, 4236
MICROSURGERY: 1483, 1515, 2880, 4010
MICROTOMY: 1265, 1947, 2149
MICROTUBULES: 175, 3313
MICROVILLI: 241, 364, 821, 1600, 1995, 2824, 2854, 3967, 4222
MICROWAVES: 2011
MIDDLE AGE: 11–13, 20, 32–33, 41, 44, 48, 52, 55, 66, 71, 74, 77, 80, 88, 95, 104–105, 108, 110, 115, 128–129, 134, 138, 140, 142, 148, 182, 189, 199, 202, 211, 216, 230, 232, 242, 259–260, 267, 270, 274, 291, 306, 310, 314, 329, 338–339, 344, 355, 361, 371, 375, 378, 388, 417, 422, 426, 435, 440, 444, 471, 474, 487, 497, 530, 532–533, 545, 553, 555, 561, 566, 569, 576, 579–580, 597, 609, 628, 630, 632, 653, 660–661, 680, 687–688, 693, 701, 711, 721, 732, 740, 752, 759–760, 765, 769, 776, 785, 790, 793, 798, 810, 813–814, 832, 835, 837, 841, 849, 859, 862–864, 866–867, 879, 884–886, 889, 891, 894, 896, 914, 923, 929, 934, 937, 941, 948, 954, 957, 961, 967, 981, 988, 991, 994, 996, 1011–1012, 1018, 1023, 1030, 1048–1049, 1057, 1060, 1069–1070, 1076, 1079, 1083–1084, 1088, 1093, 1098, 1105, 1116–1117, 1124, 1128, 1145, 1148–1149, 1152, 1161, 1164, 1173, 1179, 1183, 1188, 1200, 1202, 1220, 1222, 1227, 1262, 1272–1273, 1279–1280, 1283, 1287, 1299, 1313, 1315, 1321, 1331, 1341, 1343, 1346, 1349, 1356, 1360, 1367, 1380, 1401, 1434, 1439, 1477, 1481, 1504, 1509, 1513, 1529, 1532, 1538, 1544, 1548, 1552, 1564, 1572, 1582–1583, 1587, 1602, 1616, 1620, 1631, 1634, 1643, 1647, 1651–1652, 1693, 1695, 1697, 1701–1702, 1733–1735, 1742, 1751, 1757, 1764, 1779, 1781, 1792–1793, 1799, 1810, 1822–1823, 1828, 1830, 1832, 1835, 1839, 1844, 1860, 1870–1871, 1874, 1906, 1908, 1916, 1922, 1943–1944, 1949, 1969, 1973, 1981, 1988, 1999, 2010, 2016–2018, 2023, 2033, 2038, 2040, 2042–2043, 2066, 2072–2073, 2089, 2113–2114, 2119, 2144, 2146, 2156–2158, 2164, 2171–2172, 2176, 2184, 2191, 2200, 2208, 2218, 2232, 2237, 2259, 2265–2266, 2271, 2313, 2317, 2321, 2323, 2330, 2334–2335, 2348, 2366, 2370, 2378–2379, 2383–2384, 2394, 2407, 2416, 2418, 2422, 2428, 2432–2433, 2445, 2455, 2478, 2490, 2494, 2503–2504, 2507, 2510, 2522, 2526, 2532, 2534, 2536, 2542, 2544, 2548–2549, 2554, 2582, 2596–2597, 2600, 2638, 2648, 2656, 2658–2659, 2663, 2669, 2674, 2678, 2683–2684, 2686, 2695–2696, 2718, 2723, 2726, 2728, 2752, 2765, 2767, 2774, 2779–2780, 2787, 2792, 2807, 2813, 2815, 2822, 2829–2831, 2834, 2839, 2850, 2856, 2859, 2869, 2871, 2876, 2882, 2901, 2909, 2912, 2935, 2944, 2951, 2970, 2992, 2997–2998, 3000, 3007–3008, 3016, 3018, 3023, 3036, 3053–3054, 3059, 3069, 3071, 3092, 3096, 3099, 3101, 3103, 3121–3122, 3126, 3136, 3147, 3155, 3158, 3161, 3164, 3171, 3205–3206, 3209, 3214, 3222, 3226–3227, 3248, 3251, 3261, 3277–3278, 3281, 3283, 3291, 3315, 3325, 3351, 3354, 3357, 3367, 3370, 3375, 3391, 3399, 3406, 3414, 3416, 3420, 3435, 3437–3438, 3440–3441, 3451, 3455, 3462, 3475, 3477, 3487, 3493, 3496, 3503, 3511, 3519–3520, 3529, 3532–3533, 3541, 3543, 3546, 3551, 3561–3562, 3569, 3571, 3579, 3590–3591, 3609, 3615, 3620, 3624, 3630, 3639–3640, 3642–3643, 3645, 3647, 3650, 3674, 3682, 3692, 3705, 3715–3717, 3722, 3753–3754, 3764, 3777, 3780, 3786, 3804, 3815, 3826, 3830, 3835, 3842, 3844, 3857, 3862, 3871, 3875, 3877, 3879, 3888, 3893–3894, 3921, 3925–3926, 3931, 3935, 3940, 3953, 3966, 3979, 3982, 3988, 4001, 4005, 4010, 4021, 4042, 4057, 4065, 4069, 4075, 4078, 4081, 4086, 4102, 4106–4107, 4119, 4126, 4151, 4157, 4160, 4163, 4171, 4173, 4177, 4183, 4188, 4199–4200, 4206–4207, 4211–4212, 4214, 4219, 4223, 4230, 4245, 4248–4249, 4252, 4278, 4294, 4297, 4301, 4307, 4328, 4331, 4333, 4336, 4343, 4352, 4371, 4375, 4378, 4402, 4405, 4421–4422, 4433–4434, 4446, 4463, 4475, 4480, 4483, 4518–4519, 4528
MIDWIFERY: 4409
MIGRAINE: 113, 136, 791, 1159, 1585, 2197, 2780, 2939, 3651
MIGRATION INHIBITORY FACTOR: 4198
MILIARIA: 4458
MILITARY MEDICINE: 1, 1163
MILK: 449, 484, 512, 763, 822, 935, 1574, 3228, 3330, 3536, 4416
MILK, HUMAN: 352, 484, 486, 1905, 2381, 2623, 2786, 2810, 3228, 4158
MILK PROTEINS: 3330, 3454, 3854
MINERALOCORTICOIDS: 751, 2101, 3219, 3642
MINERALOCORTICOIDS, SYNTHETIC: 1643
MINERALS: 49, 530, 658, 790, 1241, 1504, 1780, 2284, 2433, 2554
MINK: 63, 1569
MINOXIDIL: 1792
MITE INFESTATIONS: 3337
MITHRAMYCIN: 490, 569, 1325, 3177
MITOCHONDRIA: 38, 348, 383, 465, 557, 805, 868, 877, 1314, 1402, 1468, 1576, 1641, 1711, 1719, 1864, 1978, 2395, 2435, 2505, 2518, 2610, 2628, 2635, 2712, 2801, 2855, 2983, 3554, 3644, 3661, 3676, 3864, 3963, 4120, 4269
MITOCHONDRIA, HEART: 351, 1289, 2015, 2518, 2814, 3659, 3762, 4335
MITOCHONDRIA, LIVER: 42, 58, 536, 848, 1586, 1713, 1883, 1891, 1978, 2628, 2801–2802, 2983, 3659, 3687, 3762, 4442
MITOCHONDRIA, MUSCLE: 264, 537, 621, 3737
MITOCHONDRIAL SWELLING: 2628
MITOGENS: 1595, 1718–1719, 3921, 4271
MITOSIS: 80, 364, 803–804, 815, 1117, 1480, 2127, 2255, 2270, 2496, 2579, 2805, 3001, 3176, 3241, 3703, 4281
MITOTANE: 1643, 3716, 4030
MITOTIC INDEX: 80, 3766, 4386
MITRAL VALVE INSUFFICIENCY: 3556
MITRAL VALVE PROLAPSE: 125, 3556
MIXED CONNECTIVE TISSUE DISEASE: 3209, 3356
MIXED FUNCTION OXIDASES: 2264, 3386
MODELS, BIOLOGICAL: 188, 579, 614, 722, 839, 856, 944, 953, 1227, 1348, 1368, 1388, 1428, 1457, 1462, 1565, 1689, 1849, 1955, 1997, 2075, 2216, 2250, 2257, 2307, 2419, 2491, 2621, 2645, 2978, 3032, 3181, 3287, 3317, 3446, 3480, 3491, 3495, 3537–3538, 3784, 3824, 3925, 4037, 4192, 4208
MODELS, CHEMICAL: 1199, 1348, 3489
MODELS, NEUROLOGICAL: 1443, 1633
MODELS, PSYCHOLOGICAL: 16, 3572
MODELS, STRUCTURAL: 1909
MOLAR: 895
MOLECULAR BIOLOGY: 2123
MOLECULAR CONFORMATION: 514, 633, 1199, 1382, 1780, 2356, 3489, 3540, 4094, 4209, 4372
MOLECULAR MODELS: 514, 1199, 1382, 2356, 2519
MOLECULAR WEIGHT: 24, 332, 442, 481, 640, 746, 888, 890, 903, 1085, 1099, 1102, 1165, 1190, 1246, 1431, 1441, 1559, 1600, 1625, 1645, 1657, 1736, 1760, 1848, 1983, 2170, 2253, 2255, 2261, 2268, 2276, 2369, 2393, 2408, 2520, 2693, 2775, 2812, 3066, 3129, 3334, 3347, 3512, 3534, 3616, 3658, 3661, 3681, 3789, 3840, 3850, 4144, 4308, 4310, 4341
MOLLUSCA: 442, 1347, 1711, 3698, 3868, 3881, 4267
MONILIASIS: 1599, 4343
MONILIASIS, CUTANEOUS: 945
MONILIASIS, ORAL: 2231
MONILIASIS, VULVOVAGINAL: 1817
MONITORING, PHYSIOLOGIC: 1502, 3063, 3156, 3987, 4441, 4516
MONKEY DISEASES: 1980, 2403
MONKEYS: 57, 159, 237, 263, 475, 504, 565, 612–613, 681, 1054, 1117, 1120, 1131, 1140, 1218, 1259, 1339, 1551, 1633, 1663, 1724, 1794, 1980, 2126, 2134, 2197, 2247, 2403, 2450, 2456, 2612, 2629, 2631, 2633, 2975, 2986, 3043, 3117, 3146, 3156, 3228, 3448, 3474, 3592, 3597, 3602, 3608, 3618, 3666, 3675, 3913, 4233, 4325, 4329, 4340, 4405, 4474, 4500
MONOAMINE OXIDASE: 16, 314, 789, 983, 1108, 1169, 1774, 1883, 1978, 2515, 3787
MONOAMINE OXIDASE INHIBITORS: 700, 983, 1216, 1978, 2635, 2702, 3686, 4082
MONOCYTES: 1436
MONOMYCIN: 3023
MONOTREMATA: 4244
MORBIDITY: 3572, 3636
MORPHINANS: 2770, 4233
MORPHINE: 292, 318, 330, 440, 472, 607, 1250, 1418, 1473–1474, 1505, 1655, 2153, 2448, 2744, 2770, 2885, 3091, 3364, 4050, 4084, 4233, 4393–4394, 4485
MORPHINE ADDICTION: 4050
MORPHINE DERIVATIVES: 4132
MORPHOGENESIS: 1825, 1849, 2419, 2877, 3200, 3729–3730, 4356
MORPHOLINES: 1141
MORTALITY: 1753, 3449, 3572, 3636
MOSAICISM: 385, 741, 787, 911, 1849, 1990, 2236, 3678, 3869, 3990, 4306
MOTHER-CHILD RELATIONS: 3427, 4234
MOTION PICTURES: 3221
MOTIVATION: 21, 1410
MOTOR ACTIVITY: 330, 404, 568, 588, 700, 726, 1376, 1669–1670, 1679, 1776, 2085, 2130, 2420, 3027, 3229–3230, 3790, 3884, 4003, 4050
MOTOR CORTEX: 2134, 3790
MOTOR NEURONS: 2124, 3087, 3774, 3986
MOTOR SKILLS: 173, 4281
MOTTLED ENAMEL: 2464
MOUTH: 1078, 1960, 3586
MOUTH DISEASES: 1560, 2231, 2379, 3545
MOUTH MUCOSA: 631, 1560, 2379, 2959, 4197
MOUTH NEOPLASMS: 426, 630, 1560, 3545, 4507
MOUTHWASHES: 1839
MOVEMENT: 1697, 2134
MOVEMENT DISORDERS: 1223, 2273, 2925, 2992
MSH: 315, 1624, 1912, 2805, 3034, 3240, 3567, 3666, 3885, 4153
MSH RELEASE INHIBITING HORMONE: 1912, 4198
MSH RELEASING HORMONE: 4198
MUCINS: 2017–2018
MUCOCELE: 2311
MUCOPOLYSACCHARIDES: 92, 105, 1765, 1963, 3152
MUCOPOLYSACCHARIDOSIS: 3788
MUCOPOLYSACCHARIDOSIS 6: 3788, 3955

MUCOUS MEMBRANE: 896, 1173, 1726, 3864
MULLERIAN DUCTS: 226, 1407, 1848, 3066, 3968
MULTIPLE MYELOMA: 3010, 3650, 3952
MULTIPLE SCLEROSIS: 121, 244, 1019, 2550
MURAMIDASE: 38, 3350, 4144
MUSCLE CONTRACTION: 79, 99, 144, 146, 219, 283, 318, 460, 563, 629, 720, 764, 798, 820, 982, 1007, 1009–1010, 1042, 1064, 1142, 1232–1233, 1306, 1482, 1554, 1603, 1758, 1791, 1876, 1935, 1992, 2134, 2281–2282, 2596, 2607, 2639, 2725, 2748, 2975, 2993, 3003, 3005, 3048, 3091, 3667, 3802, 3868, 3881, 4127, 4154, 4160, 4240, 4263, 4302
MUSCLE CRAMP: 4260
MUSCLE DENERVATION: 2758
MUSCLE HYPOTONIA: 85
MUSCLE PROTEINS: 351, 624, 902, 1549, 2015, 2717, 2758, 3436, 3453, 3789, 4124
MUSCLE RELAXANTS, CENTRAL: 1087, 3223
MUSCLE RELAXATION: 387, 588, 1233, 1876, 2596
MUSCLE, SMOOTH: 79, 99, 219, 283, 318, 387, 460, 563, 588, 629, 755, 764, 798, 820, 982, 1007, 1009–1010, 1042, 1064, 1117, 1142, 1192, 1232–1233, 1306, 1603, 1711, 1758, 1876, 1935, 2255, 2281–2282, 2579, 2596, 2748, 2975, 3005, 3048, 3091, 3125, 3307, 3667, 3868, 3881, 4047, 4127, 4240, 4263, 4302
MUSCLE SPASTICITY: 1779
MUSCLE TONUS: 301
MUSCLES: 24, 45, 144–146, 258, 264, 275, 410, 502, 798, 901, 1089, 1136, 1239, 1269, 1285, 1309, 1337, 1382, 1435, 1526, 1581, 1639, 1674, 1697, 1942, 2160, 2165, 2718, 2758, 2850, 2993, 3003, 3037, 3052, 3119, 3192, 3453, 3477, 3501, 3654, 3710, 3750, 3873, 4093, 4130, 4154, 4160, 4172, 4175, 4195, 4454
MUSCULAR ATROPHY: 3119, 3493, 3710
MUSCULAR DISEASES: 275, 502, 1052, 1275, 1587, 2033, 2850, 3209, 4260, 4454
MUSCULAR DYSTROPHY: 1220, 3290, 3568
MUSCULOSKELETAL SYSTEM: 567
MUSSELS: 2969
MUTAGENS: 611, 1141, 2484, 2591, 2755
MUTATION: 176, 385, 416, 430, 614, 745, 1165, 1565, 1684, 2513, 2877, 3124, 3480, 3612, 3785
MYASTHENIA GRAVIS: 359, 824, 1695, 2301, 2593, 2658, 3343, 3477, 3894, 4000, 4160, 4536
MYCOBACTERIUM: 713, 2952
MYCOPHENOLIC ACID: 1836
MYCOSES: 2231, 3545
MYCOSIS FUNGOIDES: 1958
MYCOTOXINS: 1294, 3280
MYDRIATICS: 568, 3023
MYELIN PROTEINS: 684, 1102
MYELIN SHEATH: 280, 678, 1102
MYELOFIBROSIS: 1126, 2023, 3531
MYELOGRAPHY: 3123
MYELOPROLIFERATIVE DISORDERS: 2891, 3545
MYENTERIC PLEXUS: 4379
MYOCARDIAL CONTRACTION: 76, 351, 531–532, 636, 720, 1743, 1889, 2268, 2559, 2622, 2690, 3634, 4066, 4364
MYOCARDIAL DISEASES: 2194, 3556
MYOCARDIAL INFARCTION: 225, 253, 278, 532, 571, 1428, 1615, 1823, 1959–1960, 2000, 2104, 2550, 2906–2907, 3159, 4065, 4249, 4528
MYOCARDITIS: 3064
MYOCARDIUM: 76, 351, 363, 528, 531–532, 559, 624, 636, 681, 904, 915, 1047, 1191, 1216–1217, 1239, 1430, 1526, 1531, 1570, 1615, 1645, 1743, 1889, 1959, 2003, 2209, 2249, 2319, 2322, 2559, 2622, 2690, 2814, 2863, 2906–2907, 2971, 3037, 3243, 3293, 3383, 3436, 3556, 3563, 3634, 3719, 3779, 3789, 3873, 4226, 4311, 4364
MYOCLONUS: 4208
MYOFIBRILS: 264, 351, 2606, 3779, 3855
MYOGLOBIN: 4144
MYOGLOBINURIA: 45
MYOMETRIUM: 411, 1029, 1131, 1257, 1804, 1948, 2066, 2100, 2374, 2631, 3104–3105, 4124, 4150
MYOSIN: 24–25, 1645, 2690, 4154, 4263
MYOSITIS: 275, 824
MYOTONIA: 4168
MYOTONIA ATROPHICA: 1582, 2718
MYRISTIC ACIDS: 1951
MYXEDEMA: 417, 453, 707, 875, 1333, 1742, 1832, 1841, 2341, 2487, 3804, 3848, 3989, 4528
MYXOMYCETES: 1165

N

NAD: 354, 1054, 1298, 1976, 2047, 2331, 2667, 2814, 3081, 3431, 4164
NAD NUCLEOSIDASE: 354, 526, 3906, 4164
NADH, NADPH OXIDOREDUCTASES: 3681
NADP: 1054, 1067, 1298, 2264, 3137, 3327, 3415
NADP DIAPHORASE: 3415
NADPH CYTOCHROME C REDUCTASE: 1468, 1976
NAFOXIDINE: 667, 1688, 2165
NAIL DISEASES: 1456
NALORPHINE: 2356
NALOXONE: 60, 90, 330, 472, 588, 843, 881, 1235, 1250, 1338, 1474, 1655, 1679, 1706, 2177, 2282, 2368, 2480, 2700, 2770, 2856, 3022, 3821, 4050, 4148, 4233, 4393
NALTREXONE: 318, 1250, 1679, 2856
NANDROLONE: 264, 625, 2605, 3755–3756, 4368
NAPHTHALENES: 2110, 2983, 4362
NAPHTHALENESULFONATES: 1951
NARCOTIC ANTAGONISTS: 472, 2356
NARCOTICS: 1199, 1655, 2055, 2153, 2356, 2868
NASAL CAVITY: 534, 3257
NASOPHARYNGEAL NEOPLASMS: 1115, 1738, 2370
NATRIURESIS: 34, 413, 455, 1281, 1284, 1687, 1998, 2083, 2102, 2164, 2193, 2777, 2847, 2896, 3093, 3180, 3608, 3812, 4226, 4239
NAUSEA: 1835
NECK: 1530, 1548, 1747, 2866, 3164, 3781, 3953
NECROSIS: 191, 225, 552, 1761, 2143, 2370, 4097
NEGROID RACE: 711, 3437–3439
NELSON SYNDROME: 315
NEOMYCIN: 4017
NEOPLASM INVASIVENESS: 1308, 1999, 3408, 3935
NEOPLASM METASTASIS: 11, 77, 232, 597, 634, 663, 688, 779, 833, 927, 946, 1030, 1083, 1198, 1303, 1308, 1336, 1360, 1634, 1828, 1833, 1868, 1886, 1908, 1922, 1948, 1965, 1973, 2038, 2113, 2117, 2157, 2166, 2243, 2355, 2532, 2582, 2606, 2698, 2715, 2728, 2789, 2805, 2822, 2827, 2910, 2920, 2989, 2998, 3101, 3103, 3123, 3203, 3226, 3365, 3493, 3525, 3546, 3764, 3795, 4025, 4171, 4193, 4211, 4251, 4255, 4402, 4431, 4437
NEOPLASM PROTEINS: 1313, 1588, 1709
NEOPLASM RECURRENCE, LOCAL: 80, 316, 2228, 2355, 3214, 3728, 4149, 4338
NEOPLASM REGRESSION, SPONTANEOUS: 4507
NEOPLASM STAGING: 115, 1116, 1417, 1738, 1782, 3413, 4157, 4255
NEOPLASM TRANSPLANTATION: 949, 1176, 1301, 1761, 2007, 2570, 2943, 3101, 3160, 4068, 4431
NEOPLASMS: 33, 75, 490, 569, 611, 623, 634, 824, 838, 959, 1200, 1336, 1534, 1544, 1557, 1579, 1588, 1591, 1684, 1753, 1868, 2001, 2097, 2259, 2346, 2378, 2550, 2585, 2715, 2755, 2789, 3447, 3459, 3599, 3738, 3934, 3990, 4121, 4167, 4431, 4533
NEOPLASMS, EMBRYONAL AND MIXED: 2157, 2822, 3413, 4516
NEOPLASMS, EXPERIMENTAL: 97, 396, 518, 640, 675, 1072, 1176, 1182, 1288, 1301, 1323, 1368, 1597, 1761, 1885, 1896, 2168, 2214, 2320, 2344, 2389, 2410–2411, 2713, 2755, 2920, 3160, 3627, 3827–3828, 3836, 4033, 4068, 4237, 4413, 4428, 4431
NEOPLASMS, HORMONE-DEPENDENT: 971, 2007, 2320, 2344, 3237
NEOPLASMS, MULTIPLE PRIMARY: 311, 567, 832, 1030, 1610, 1860, 2606, 2813, 3248, 3315, 3459, 3492, 4252
NEOPLASMS, RADIATION-INDUCED: 406, 663, 675, 925, 2422, 3248, 3315, 3367, 4304, 4448
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES: 1020, 1616, 2226, 3016, 3242, 3328, 3390–3391, 3422, 3615, 3627, 3757, 4517
NEOSTIGMINE: 4160
NEPHRECTOMY: 552, 1055, 1340, 1374, 1424, 2293, 2393, 2511, 2927, 2936, 3101, 3142, 3297, 4298
NEPHRITIS: 139, 3883
NEPHRITIS, INTERSTITIAL: 4378
NEPHROBLASTOMA: 4493
NEPHROCALCINOSIS: 1340
NEPHRONS: 34, 254, 455, 488, 897, 1205, 1399, 1930, 2036, 2327, 2759
NEPHROSIS: 158
NEPHROTIC SYNDROME: 31, 637, 649, 875, 2660, 3551
NERVE COMPRESSION SYNDROMES: 520
NERVE DEGENERATION: 1482
NERVE ENDINGS: 839, 4388
NERVE FIBERS: 913, 2245, 3700, 4028, 4147
NERVE GROWTH FACTOR: 415, 1033, 1533, 2186, 2410, 2541, 2911, 3192, 3679, 4439
NERVE REGENERATION: 2058
NERVE TISSUE PROTEIN S 100: 280
NERVE TISSUE PROTEINS: 279, 409, 788, 2128, 2410, 3119, 3658, 4247
NERVOUS SYSTEM: 356, 567, 1768, 1835, 2289, 2671, 3192, 3238, 3255, 3830, 4088, 4247, 4490
NERVOUS SYSTEM DISEASES: 253, 299, 874, 2792, 2976, 4439
NEURAL CONDUCTION: 1607
NEURAL INHIBITION: 592, 861, 1791, 3944, 4394
NEURAL PATHWAYS: 408, 431, 985, 1224, 1334, 1366, 1446, 2116, 2352, 2647, 3271, 3448, 3700, 3759
NEURAL TRANSMISSION: 205, 265, 481, 513, 592, 951, 976, 1007, 1136, 1482, 1776, 1803, 2448, 2535, 2720, 3986, 4026, 4160, 4243, 4292, 4379
NEURAMINIDASE: 3065, 3334
NEURASTHENIA: 4043
NEUROBLASTOMA: 233, 2726–2727, 3843
NEURODERMATITIS: 3289
NEUROFIBRILS: 1149
NEUROFIBROMATOSIS: 1432, 1745
NEUROGLIA: 280, 678, 1462, 1533, 2201, 2426, 3184, 3364, 4131
NEUROHUMORS: 280, 333, 348, 367, 951, 976, 1007, 1042, 1075, 1123, 1136, 1208, 1416, 1570, 1837, 2124, 2128, 2246, 2352, 2498, 2702, 2768, 2881, 3271, 3702, 3770, 3806, 3870, 4070, 4379, 4486
NEUROLOGIC EXAMINATION: 1476
NEUROLOGIC MANIFESTATIONS: 844, 1587, 1647, 2341, 2792
NEUROMUSCULAR BLOCKING AGENTS: 2319
NEUROMUSCULAR DISEASES: 3328
NEUROMUSCULAR JUNCTION: 1482, 1803, 3806, 3868, 3894, 3986
NEURONS: 30, 54, 198, 280, 372, 442, 599, 710, 922, 1007, 1094, 1149, 1249, 1461, 1473, 1533, 1601, 1650, 1837, 2058, 2352, 2413, 2592, 2969, 3076, 3080, 3089, 3174, 3184, 3271, 3276, 3364, 3658, 3709, 3774, 3822, 3867, 3986, 4028, 4136, 4147, 4381, 4388, 4398
NEURONS, AFFERENT: 408, 1249, 1443–1444, 1446
NEURONS, EFFERENT: 3448, 4329
NEUROPHYSINS: 379, 565, 3250, 3589, 3680, 4420
NEUROSECRETION: 70, 132, 408, 2076, 2438, 2704, 3149, 4088, 4147, 4281
NEUROSECRETORY SYSTEMS: 1136, 1301, 1416, 2413, 2592, 3039, 4267, 4464
NEUROSES: 708, 2041
NEUROTENSIN: 362, 572, 1768, 1936, 3097
NEUTRON ACTIVATION ANALYSIS: 71
NEUTROPENIA: 1003
NEUTROPHILS: 432, 643, 1509, 1623, 1642, 2196, 2891, 3025, 3625, 4291
NEWCASTLE DISEASE VIRUS: 3108
NEWTS: 213
NIALAMIDE: 334
NICKEL: 1531, 4436
NICOTINAMIDE: 171, 354, 2125, 4446
NICOTINE: 551, 629, 2741, 3048, 3696, 3802
NICOTINIC ACIDS: 199, 1242, 1438, 2075
NICTITATING MEMBRANE: 588
NIDATION: 63, 427, 464, 706, 1044, 1302, 2735, 3188, 3232, 3469
NIFEDIPINE: 2596, 3293–3294
NIGHT MONKEYS: 2403
NITRATES: 773, 3940
NITRIC OXIDE: 754
NITRILES: 3130, 4194
NITRITES: 754, 3940, 4282

NITROBENZOATES: 3975
NITROBLUE TETRAZOLIUM: 2988
NITROFURANS: 235
NITROGEN: 440, 777–778, 2724
NITROGEN FIXATION: 4087
NITROGEN MUSTARD COMPOUNDS: 120, 1151
NITROGEN OXIDES: 4218
NITROMIFENE: 1781
NITROPRUSSIDE: 155, 754, 1008, 1218, 2105, 2244
NITROSAMINES: 3009, 4179
NITROSO COMPOUNDS: 842, 1141
NITROSOGUANIDINES: 155
NITROUS OXIDE: 543, 2056
NMN ADENYLYLTRANSFERASE: 1332
NOCARDIA ASTEROIDES: 2348
NOCARDIA INFECTIONS: 2348
NOCICEPTORS: 431, 592, 843, 1446, 1473, 1921, 2409, 4394
NOMENCLATURE: 1664, 2377, 2996, 2998, 3002, 4176
NOMIFENSINE: 61, 2175, 3461, 3470
NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY: 2279
NOONAN SYNDROME: 428, 1041
NOREPINEPHRINE: 16, 30, 61, 174, 200, 205, 212, 240, 265, 279, 282–283, 319, 333, 367, 381, 422, 425, 542–543, 562, 568, 575, 592, 599, 714, 720, 734–735, 780, 820, 822, 849, 861, 951, 980, 982, 985, 1084, 1101, 1224–1225, 1228, 1273, 1292, 1306, 1310–1311, 1330, 1351, 1376, 1413, 1461–1462, 1526, 1554, 1562, 1570, 1577, 1603, 1648, 1743, 1755, 1791–1792, 1957, 2005, 2037, 2047, 2124, 2128, 2153, 2164, 2197, 2246, 2248, 2254, 2322, 2352, 2498, 2562, 2596, 2645, 2702, 2725, 2776, 2817, 2881, 2897, 2899, 2966, 3027, 3059, 3086, 3182, 3229–3230, 3239, 3264–3265, 3292, 3322, 3470–3471, 3508, 3651, 3686, 3695, 3770, 3791, 3802, 3884, 3908, 3944, 4003, 4011, 4026, 4043, 4070, 4151, 4238, 4247, 4292, 4299, 4302, 4372, 4394, 4481
NORETHINDRONE: 738, 756, 790, 1339, 1988, 2683, 2762, 2765, 3140, 3380, 3600, 3861, 4022, 4519
NORETHYNODREL: 1181, 3600, 3674
NORGESTREL: 736–738, 767, 866, 869, 1009, 1071, 1138, 1339, 1375, 1561, 1881, 1988, 2398, 2762–2763, 2765, 2809, 3380, 3600, 4015
NORGESTRIENONE: 736–738, 767, 883, 1071, 2762–2763, 3775
NORMAL VALUES: 1826, 2529, 2598–2599, 2726, 3017, 3642, 4031, 4086, 4173, 4224
NORMETANEPHRINE: 283, 2153, 4199
NORPREGNADIENES: 4257
NORPREGNATRIENES: 736–737, 883, 1071, 2762–2763, 3775
NORPROGESTERONES: 738
NORSYNEPHRINE: 1136, 2766
NORTRIPTYLINE: 319, 3027, 4151, 4326
NORTROPANES: 4069
NOSE: 2730
NUCLEAR MAGNETIC RESONANCE: 193, 379, 514, 1317, 1377, 2820, 2853, 2929, 3444, 4094, 4471
NUCLEAR MEMBRANE: 132
NUCLEIC ACID CONFORMATION: 3480
NUCLEIC ACID HYBRIDIZATION: 1811, 2309, 3024, 3311, 3347
NUCLEIC ACID PRECURSORS: 3347
NUCLEOPROTEINS: 1015, 2621, 3776, 3941
NUCLEOSIDE DEAMINASES: 1596, 4373
NUCLEOSIDE DIPHOSPHATE SUGARS: 3275
NUCLEOSIDES: 990, 1415, 2605
NUCLEOTIDASES: 234, 1447, 2518
NUCLEOTIDES: 169, 905, 3271, 3304, 3570
NUCLEOTIDES, CYCLIC: 990, 998, 1642, 1992, 3518, 3778, 4247
NUCLEOTIDYLTRANSFERASES: 266, 2820
NURSE-PATIENT RELATIONS: 1267
NURSERIES: 208
NUTRITION: 199, 586, 1813, 3344, 3586, 3636, 3995, 4194, 4531
NUTRITION DISORDERS: 678, 763, 2556, 2673, 3139, 4445, 4489
NUTRITION SURVEYS: 3325
NUTRITIONAL REQUIREMENTS: 199, 2378, 2512, 3325, 4531
NUTRITIVE VALUE: 2699
NYSTAGMUS: 2273, 4370

O

OBESITY: 141, 179, 221, 240, 288, 446, 540, 761, 1140, 1380, 1504, 1633, 1775, 1955, 2173, 2207, 2480, 3015, 3280, 3503, 3715, 3844, 3870, 4163, 4219
OBESITY IN DIABETES: 2386, 3870
OCCLUSIVE DRESSINGS: 969, 2212, 3134
OCCUPATIONAL DISEASES: 242, 3126, 4194, 4536
OCCUPATIONS: 3590
ODONTOBLASTS: 1541
ODONTOGENESIS: 895, 4474
ODONTOMETRY: 4474
OILS: 1716, 2444
OINTMENT BASES: 2086
OINTMENTS: 87, 1268, 1403, 2229, 2316, 3769
OLEANOLIC ACID: 107
OLEIC ACIDS: 113, 284, 521
OLFACTORY PATHWAYS: 3700
OLIGODENDROGLIOMA: 827
OLIGOMENORRHEA: 2274
OLIGOMYCIN: 2801
OLIGOPEPTIDES: 203, 1089, 1382, 2680, 4134
OLIGOSACCHARIDES: 2002, 3540, 3601
OLIGOSPERMIA: 686, 1316, 1467, 1517, 2079, 2557, 3126, 3157, 3163, 3368, 3956, 4058–4059, 4287
OLIGURIA: 1048, 3069
ONTOGENY: 97, 162, 493, 1037, 1580, 2106, 3037
OOCYTES: 103, 479, 526, 1271, 1344, 1451, 1811, 2139, 2270, 2343, 2621, 3033, 3151, 3509, 3522, 3566, 3727, 3805, 3840, 3903, 4038, 4178
OOGENESIS: 103, 526, 749, 1771, 1825, 2149, 2272, 3039, 3373, 3509, 3522, 3644, 4020, 4036, 4228, 4267
OOGONIA: 1899, 1952
OPERATING ROOM NURSING: 1114
OPERON: 2877, 4254
OPHTHALMIA: 3023
OPHTHALMIC SOLUTIONS: 2277, 2659, 3023
OPHTHALMOPLEGIA: 2996, 3019, 3561
OPSONINS: 432
OPTIC ATROPHY: 1612, 2273
OPTIC CHIASM: 520, 4073
OPTIC DISK: 1014, 4462
OPTIC NERVE: 1212, 1443–1444, 2245, 2438, 2454
OPTIC NERVE DISEASES: 520, 2470, 2787
OPTIC NEURITIS: 1014
OPTICAL ROTATORY DISPERSION: 3412
ORAL HYGIENE: 1966
ORAL MANIFESTATIONS: 567, 3545
ORBIT: 157, 1734, 2454, 3257, 3973, 4161, 4352, 4385
ORBITAL NEOPLASMS: 373, 1788, 3452, 3876, 3973, 4385, 4529
ORCHITIS: 1069, 1621
ORGAN CULTURE: 346, 353, 627, 857, 870, 917, 1047, 1657, 1781, 1848, 2004, 2150, 2181, 2589, 2622, 2920, 3042, 3210, 3481, 3567, 3600, 3779, 3825, 4267
ORGAN PRESERVATION: 3446
ORGAN SPECIFICITY: 93, 273, 511, 572, 720, 1547, 1597, 1862, 2034, 2607, 2655, 2967, 3026, 3342, 3724, 3731, 3873
ORGAN WEIGHT: 3, 29, 72, 149–150, 294, 312, 323, 403, 409, 470, 480, 511, 607, 694, 788, 803, 847, 900, 960, 986, 1056, 1119, 1269, 1330, 1371–1372, 1412, 1526, 1630, 1640, 1660, 1664, 1784–1785, 1808, 1900, 1917, 2074, 2169, 2201, 2233, 2389, 2395, 2429, 2440, 2531, 2667, 2736, 2772, 2861, 2889, 2980, 3047, 3050, 3130, 3167, 3176, 3247, 3295, 3299, 3344, 3386, 3424, 3428, 3436, 3485, 3516, 3554–3555, 3644, 3747, 3904, 3924, 3958–3960, 3962, 4045, 4119, 4141, 4170, 4175, 4281–4282, 4287, 4311, 4357, 4455, 4465
ORGANOIDS: 279, 1443–1444, 1584, 1829, 1952, 1961, 2111, 2222, 2687, 3603, 3724, 3774, 4295
ORGANOPHOSPHORUS COMPOUNDS: 4320
ORGASM: 789
ORIENTATION: 1427
ORNITHINE AMINOTRANSFERASE: 508
ORNITHINE CARBAMOYLTRANSFERASE: 2680
ORNITHINE DECARBOXYLASE: 725, 2523, 3270, 3968
OROSOMUCOID: 15
OROTIC ACID: 2084
ORPHENADRINE: 730
ORTHOMYXOVIRUSES TYPE A: 4056
ORTHOPEDIC EQUIPMENT: 3290
ORTHOPEDICS: 1087
ORTHOPTERA: 3217
OSMOLAR CONCENTRATION: 156, 289, 324, 722, 893, 2202, 2224, 2619, 2868, 3387–3388, 3521, 3638, 4189, 4342, 4347, 4376
OSMOTIC FRAGILITY: 1109
OSMOTIC PRESSURE: 254, 2976, 3812
OSSIFICATION, PATHOLOGIC: 4454
OSSIFICATION, PHYSIOLOGIC: 1954
OSTEITIS: 212, 3257
OSTEITIS DEFORMANS: 959, 1148, 1223, 2284, 2548, 4472
OSTEOARTHRITIS: 3358
OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 3154
OSTEOBLASTS: 313, 672, 816, 1160, 2595, 4374, 4454
OSTEOCLASTS: 1020, 1148, 2715, 3858, 3934, 4374
OSTEOCYTES: 784, 2111
OSTEOGENESIS: 313, 672, 2919, 3481, 4192
OSTEOGENESIS IMPERFECTA: 337, 576, 1113, 1143, 2608, 3290, 4472
OSTEOLYSIS: 3257, 3375
OSTEOMA: 3520, 4382
OSTEOMA, OSTEOID: 2347, 3161
OSTEOMALACIA: 1160, 1968, 2363, 2511, 3205, 3416, 3569, 3684
OSTEOMYELITIS: 212
OSTEONECROSIS: 560, 1335, 2834, 2908, 3071, 3128, 3205
OSTEOPETROSIS: 860, 2273, 2577, 2604, 3788, 3955
OSTEOPOROSIS: 84, 337, 560, 692, 760, 1087, 1179, 1697, 1753, 1968, 2014, 2200, 2238, 2328, 2334–2335, 2363, 2807, 2832, 3119, 3283, 3531–3532, 4105, 4206, 4472, 4519
OSTEOSCLEROSIS: 2019
OSTEOTOMY: 672
OTITIS: 426
OTORHINOLARYNGOLOGY: 4463
OUABAIN: 40, 611, 1289, 1748, 2074, 2644, 3896
OUTPATIENT CLINICS, HOSPITAL: 1817, 4505
OVALBUMIN: 606, 1329, 2339, 3024, 3311, 3347, 3491, 3537
OVARIAN CYSTS: 226, 368, 2002, 2265, 2706, 3336, 4113, 4245
OVARIAN DISEASES: 161, 950, 987, 1882, 2256, 2473, 2551, 3360, 3468, 3479, 3515, 3542, 3591, 3657, 4469
OVARIAN FUNCTION TESTS: 3468
OVARIAN NEOPLASMS: 46, 86, 112, 124, 332, 384, 386, 525, 595, 623, 630, 862, 1176, 1234, 1282, 1308, 1318, 1336, 1634, 1653, 1657, 1835, 1868, 1885, 1896, 1946, 2016–2018, 2038, 2040, 2098–2099, 2156–2157, 2262, 2451, 2546, 2649, 2706, 2709, 2825, 2967, 2998, 3148, 3155, 3248, 3392, 3435, 3459, 3496, 3657, 3705, 3951–3952, 4068, 4149, 4219, 4225, 4433, 4456
OVARY: 46, 91–93, 108, 126, 168–169, 210, 215, 239, 285, 302, 341, 384, 403, 430, 464, 468, 506, 510, 548–549, 590, 612, 666, 725, 811, 819, 857, 997, 1042–1043, 1046, 1058, 1072, 1075, 1080, 1131, 1226, 1344, 1364, 1451, 1497, 1530, 1540, 1617–1618, 1627, 1653, 1660, 1703–1704, 1707, 1784–1785, 1811, 1825, 1849, 1869, 1882, 1899–1900, 1917, 1952, 2012, 2016–2017, 2112, 2114, 2139, 2148–2149, 2155, 2258, 2272, 2274, 2297, 2343, 2384, 2484, 2493, 2540, 2545, 2612, 2618, 2621, 2706, 2712, 2737, 2794, 2845, 2875, 2879, 2889, 2957, 2982, 3045, 3049, 3121, 3124, 3151, 3194, 3213, 3231, 3261, 3272, 3319, 3327, 3360, 3373, 3402, 3415, 3429, 3460, 3468, 3482, 3504, 3516, 3532, 3566, 3599, 3606, 3805, 3845, 3897, 3903, 3937, 3947, 3962, 3976, 3994, 4020, 4036, 4096, 4145, 4162, 4177–4178, 4188, 4240, 4280, 4332, 4340, 4356, 4371
OVIDUCTS: 626, 746, 823, 970, 1329, 1660, 2233, 2272, 3024, 3188, 3311, 3347, 3491, 3495, 3512, 3537, 3557, 3616, 3776, 4014
OVIPOSITION: 626, 970, 1431, 1660, 1771, 3024, 3401, 4348
OVULATION: 18, 143, 169, 304, 336, 367, 506, 612, 748, 933, 965, 970, 1042, 1110, 1138, 1209,

1224, 1302, 1396–1398, 1451, 1497, 1627, 1771, 1884, 2091, 2436, 2609, 2806, 2918, 2957, 3039, 3109, 3121, 3131, 3138, 3188, 3191, 3193–3194, 3207, 3316, 3336, 3360, 3479, 3530, 4092, 4136, 4190, 4240, 4261, 4332, 4391
OVULATION DETECTION: 947, 1619, 2466
OVULATION INDUCTION: 685–686, 715, 825, 1278, 2270, 2472, 2624, 2864, 3384, 3937, 4453
OVUM: 103, 186, 395, 479, 526, 1899, 1952, 2270, 2621, 3033, 3188, 3319, 3509, 3522, 3566, 3727, 3840, 4178, 4228, 4261
OVUM TRANSPORT: 768
OXACILLIN: 1121
OXALATES: 3886
OXANDROLONE: 131
OXAZINES: 61
OXAZOLES: 1861, 4170
OXAZOLONE: 1861, 4170
OXIDATION-REDUCTION: 178, 932, 1099, 1719, 1976, 2142, 2814, 2853, 2950, 3137, 3174, 3216, 3570, 3573, 3681, 4137
OXIDATIVE PHOSPHORYLATION: 624, 1289, 2518, 2814
OXIDOREDUCTASES: 38, 322, 485, 557, 1393, 1407, 1812, 2264, 2640, 2674, 3676, 3681, 3916, 3942, 3975, 4074, 4197
OXIDOREDUCTASES, N-DEMETHYLATING: 802
OXIMES: 2986
OXOTREMORINE: 2130
OXPRENOLOL: 721, 1694, 1792
OXYGEN: 109, 1383, 1876, 2047, 2056, 2202, 2580, 2969, 2988, 3067, 3137, 3216, 3580, 3893, 4265, 4479
OXYGEN CONSUMPTION: 200, 536, 621, 624, 777–778, 1091, 1120, 1289, 1330, 1585, 1593, 1713, 1729, 2074, 2322, 2518, 2814, 3241, 3320, 3364, 3659, 3661, 3681, 3687, 3762, 3824, 4137, 4184, 4335, 4357–4358, 4478
OXYGEN INHALATION THERAPY: 1031, 1349, 1373
OXYGENASES: 2110
OXYHEMOGLOBINS: 2115
OXYMETAZOLINE: 3802
OXYMETHOLONE: 2652
OXYMORPHONE: 2356
OXYTOCIN: 116, 193, 369, 379, 393, 486, 587, 826, 1042, 1106, 1132, 1201, 1267, 1637, 1699, 1755, 1768, 2050, 2778, 2795, 2849, 2867, 2977, 3090, 3316, 3321, 3361, 3580, 3589, 3680, 4133, 4213, 4353, 4420, 4488
OXYTOCINASE: 3381

P

PAIN: 90, 133, 431, 622, 660, 757, 1147, 1334, 1446, 1607, 1706, 2371, 2463, 3004, 3022, 3092, 3370, 3590, 3821, 4126, 4485
PAIN, INTRACTABLE: 2346, 2544, 2585, 4121
PAIN, POSTOPERATIVE: 1338
PALATE: 3869
PALLIATIVE TREATMENT: 1488, 2098, 2999
PALMITATES: 2821
PALMITIC ACIDS: 113, 521, 2821
PALPATION: 4523
PANCREAS: 387, 540, 567, 681, 938, 984, 1091–1092, 1208, 1549, 1592, 1898, 1974, 2154, 2206, 2365, 2386, 2587, 2704, 2722, 3253, 3302, 3828, 4139, 4339, 4355
PANCREATECTOMY: 2246
PANCREATIC CYST: 2040
PANCREATIC JUICE: 4333
PANCREATIC NEOPLASMS: 232, 1616, 2226, 2668, 3016, 3828, 4428
PANCREATITIS: 1746, 1797, 2154, 4472
PANCREATOPEPTIDASE: 4355
PANCYTOPENIA: 1456, 2243
PANIC: 785
PANTOTHENIC ACID: 3402
PAPAIN: 2071, 2641
PAPAVERINE: 99, 1172, 1233, 1676, 2947
PAPER: 3404
PAPILLARY MUSCLES: 2559, 2690, 2906
PAPILLEDEMA: 1014, 1437, 4462
PAPILLOMA: 1763
PAPIO: 681, 1120, 3146, 3156
PARABIOSIS: 2604
PARAGANGLIA, CHROMAFFIN: 1598
PARAGANGLIOMA, NONCHROMAFFIN: 1115, 2597
PARALYSIS: 2925, 3493, 4048, 4419
PARALYSIS, FAMILIAL PERIODIC: 3087
PARAMECIUM: 448
PARANASAL SINUS DISEASES: 2311
PARAPLEGIA: 191, 550, 999, 1303, 1779, 1895
PARAPROTEINEMIAS: 2135, 3395
PARAQUAT: 3754, 4537
PARASYMPATHETIC NERVOUS SYSTEM: 2352, 2722, 3696–3697
PARASYMPATHOLYTICS: 797, 1381, 2248, 3256
PARASYMPATHOMIMETICS: 23, 489, 551, 1506, 2800, 3843, 4339
PARATHION: 1711
PARATHYROID DISEASES: 1511, 1944, 2882, 3833, 4534
PARATHYROID GLANDS: 34, 175, 197, 398, 407, 473, 478, 567, 712, 769, 870, 884, 1127, 1145, 1158, 1183, 1187, 1386, 1399, 1412, 1934, 2020, 2204, 2240, 2367, 2432, 2511–2512, 2525, 2835, 2882, 2898, 3114, 3164, 3180, 3266, 3394, 3781, 3810–3811, 3878, 4004, 4098–4099, 4298, 4336, 4462, 4475
PARATHYROID HORMONE: 23, 140, 177, 224, 262, 397–398, 437, 455, 470, 473, 514, 591, 598, 603, 610, 682, 837, 870, 1020, 1088, 1154, 1187, 1202, 1205, 1241, 1399, 1424, 1472, 1512, 1525, 1548, 1600, 1680, 1746, 1769, 1858, 1892–1894, 1930, 1944, 1995, 2009, 2036, 2111, 2136–2137, 2152, 2162, 2189, 2329–2330, 2334–2336, 2363, 2393–2394, 2432, 2494, 2511, 2530, 2542, 2656, 2666, 2668, 2715, 2742, 2759, 2779, 2785, 2835, 2843, 2866, 2873, 2892, 2898, 2936, 3069, 3114, 3178, 3186, 3210, 3225–3226, 3283, 3297, 3499, 3609, 3672, 3712, 3753, 3761, 3781, 3811, 3934, 3950, 4004, 4098, 4241, 4284, 4298, 4336, 4374, 4420, 4475
PARATHYROID NEOPLASMS: 197, 765, 870, 1183, 1548, 2330, 2606, 2882, 3367, 4252
PARATUBERCULOSIS: 500
PARAVENTRICULAR NUCLEUS: 132, 2076, 2413, 2592, 3791
PARENTERAL FEEDING: 289, 2378, 3478, 3957, 4042
PARENTERAL HYPERALIMENTATION: 289, 2115, 2378, 3478, 3957
PARESTHESIA: 3493
PARGYLINE: 1292, 4367
PARITY: 670, 1196, 2173, 2436, 2977, 3109, 3206, 3284, 3361, 3439, 3823, 3890, 3945, 3995, 4166
PARKINSON DISEASE: 474, 881, 2352, 2726, 2856, 2970, 3089, 3292, 3772, 4078
PARKINSON DISEASE, SYMPTOMATIC: 881
PAROTID GLAND: 1862, 2150, 2457–2458, 2800
PAROTIN: 3635
PARTHENOGENESIS: 423
PARTIAL PRESSURE: 3244, 4099, 4265
PASSIVE TRANSFER: 1987
PATAS MONKEYS: 1551
PATCH TESTS: 3305
PATELLA: 1179
PATERNITY: 1459
PATIENT ACCEPTANCE OF HEALTH CARE: 1700, 3062
PATIENT COMPLIANCE: 1156, 1700
PATIENT DROPOUTS: 2683, 4528
PATIENTS: 1028, 2549, 4502
PEAK EXPIRATORY FLOW RATE: 1460, 3734
PEDIATRIC NURSING: 4234
PEDIATRICS: 4489, 4530–4531
PEDIGREE: 125, 386, 576, 747, 810, 1041, 1220, 1237, 1370, 1456, 1943, 2093, 2522, 2895, 2972, 3288, 3345, 3710, 4085
PELVIC EXENTERATION: 3496
PELVIC NEOPLASMS: 1170, 2262, 2294, 2760, 3514
PELVIS: 2262, 2294, 3542
PEMPHIGUS: 524, 929, 3157–3158
PENICILLAMINE: 203, 467, 1277, 1445, 2579, 3025, 3359, 3665, 3979, 4514
PENICILLINS: 793, 4212
PENILE INDURATION: 2286
PENIS: 1369, 1484, 1825, 3202, 3678, 3729, 4415
PENTAGASTRIN: 578, 2076, 2305, 2338, 3610, 4294
PENTAZOCINE: 3651
PENTOBARBITAL: 792, 1376, 1627, 1678–1679, 2011, 2664, 2722, 3193, 3364, 3832, 4265
PENTYLENETETRAZOLE: 333, 2101, 2889, 3055, 3773, 3867
PEPSIN: 1864, 2693
PEPSTATINS: 2680
PEPTIC ULCER: 853, 906, 1416, 2067, 3672, 4472
PEPTIC ULCER HEMORRHAGE: 4081
PEPTIDE CHAIN INITIATION: 3024, 4387
PEPTIDE FRAGMENTS: 24, 295, 514, 523, 572, 640, 799, 998, 1099, 1232, 1967, 2318, 2331, 2390, 2393–2394, 2733, 2790, 2838, 2866, 3091, 3110, 3115, 3666, 4376, 4383, 4500
PEPTIDE HYDROLASES: 53, 415, 755, 956, 958, 1032, 2911, 3500, 3616, 3912, 3929, 4337, 4451
PEPTIDE PEPTIDOHYDROLASES: 1657, 2448
PEPTIDES: 76, 392, 399, 442, 626, 1240, 1440, 1611, 1650, 1768, 1789, 2226, 2268, 2339, 2941, 3002, 3097, 3117, 3189, 3483, 3497, 3752, 3757, 3840, 3923, 4032, 4088, 4144, 4198, 4450
PEPTIDOGLYCAN: 2625
PEPTOCOCCUS: 6
PEPTOSTREPTOCOCCUS: 6
PERCHLORIC ACIDS: 94
PERFUSION: 312, 363, 647, 1046, 1159, 1512, 1583, 1592, 1748, 2006, 2063, 2180, 2457, 2655, 2697, 3383, 3436, 3667, 3794, 3810, 4034, 4240, 4364
PERIARTERITIS NODOSA: 1488
PERICARDITIS: 2581
PERINEPHRITIS: 552
PERIODIC ACID-SCHIFF REACTION: 3767
PERIODICALS: 1685, 4135
PERIODICITY: 21, 126, 1213, 1589, 1640, 1670, 2082, 2126, 3087, 3472, 3654, 3857, 3977, 4089
PERIODONTAL DISEASES: 1005, 2196, 3171
PERIODONTAL INDEX: 1872
PERIODONTAL LIGAMENT: 815–816
PERIODONTITIS: 1966
PERIODONTIUM: 1656
PERIOSTEUM: 3268
PERIOSTITIS: 2019
PERIPHERAL NERVE DISEASES: 502
PERIPHERAL NERVES: 431, 592, 710, 2728, 3271, 3986
PERIPLANETA: 4088
PERISTALSIS: 798
PERITONEAL CAVITY: 1038
PERITONEAL DIALYSIS: 2656, 4017
PERITONEOSCOPY: 3468
PERITONITIS: 987
PERMEABILITY: 188, 2793, 2837, 4468
PEROMYSCUS: 3962
PEROXIDASES: 878, 2592, 3034, 3484, 3854, 3856
PEROXIDES: 1067, 2654, 4100
PERPHENAZINE: 497
PERSONALITY: 4300, 4434
PERSONALITY DISORDERS: 1587, 2072
PERSONALITY INVENTORY: 4434
PERSONALITY TESTS: 789, 2041
PERTUSSIS VACCINE: 2923, 3165
PESSARIES: 4307
PESTICIDE RESIDUES: 2065
PETROLEUM: 1660, 2141, 3167
PHAGOCYTES: 3313
PHAGOCYTOSIS: 7, 377, 713, 1663, 2196, 2357, 2360, 3313, 3350, 3528, 4291
PHARMACOLOGY: 4268
PHARYNGEAL DISEASES: 2220, 3649
PHARYNGEAL NEOPLASMS: 426, 2166, 4507
PHARYNX: 3649
PHENANTHROLINES: 4014
PHENAZINES: 1609
PHENCYCLIDINE: 1120, 1551, 1837
PHENETHANOLAMINE N-METHYLTRANSFERASE: 2453, 4199
PHENETHYLAMINES: 881, 983, 1169, 1216, 2567, 3089
PHENFORMIN: 2941
PHENOBARBITAL: 143, 215, 334, 402, 543, 1067, 1100, 1141, 1373, 1627, 1863, 2110, 2933, 3295, 4077
PHENOTHIAZINE TRANQUILIZERS: 2793
PHENOTHIAZINES: 4121
PHENOTYPE: 385, 508, 772, 1063, 1073, 1230, 1370, 1856, 1911, 2710, 2895, 3449, 3678, 4228
PHENOXYBENZAMINE: 982, 1678, 3233, 3264, 3417

PHENTOLAMINE: 540, 891, 982, 1010, 2237, 2322, 2446, 2722, 2766, 2776, 2781, 3310, 3936, 4231, 4239, 4290, 4394
PHENYL ETHERS: 1216, 1555, 2635
PHENYLACETATES: 1082
PHENYLALANINE: 3827
PHENYLBUTAZONE: 467, 1277, 2024, 3277
PHENYLBUTYRATES: 3295
PHENYLEPHRINE: 714, 1171–1172, 1507, 2313, 2446, 2559, 3264, 3589, 3679
PHENYLHYDRAZINES: 1866, 4082
PHENYLKETONURIA: 812, 3078
PHENYLPROPANOLAMINE: 1633
PHENYLPROPIONATES: 3135
PHENYLPYRUVIC ACIDS: 2726
PHENYLTHIAZOLYLTHIOUREA: 822
PHENYLTHIOUREA: 822, 2093
PHENYTOIN: 3446, 4077, 4370
PHEOCHROMOCYTOMA: 270, 547, 567, 618, 832, 835, 849, 954, 1084, 1211, 1745, 1908, 2028, 2105, 2410, 2501, 2522, 2573, 2726–2727, 2751, 2760, 2885, 3016, 3086, 3141, 3203, 3455, 3492, 3543, 3578, 3889, 4057, 4199, 4238, 4480, 4524
PHEROMONES: 423, 2962, 3962
PHLEBITIS: 1014
PHLEBOGRAPHY: 615, 926, 1180, 1805, 2875, 3049
PHOBIAS: 776
PHONOCARDIOGRAPHY: 125
PHORBOLS: 1263, 2303, 4346
PHOSPHATASES: 1447, 1812, 3774, 3891
PHOSPHATES: 34, 59, 224, 398, 455, 473, 488, 490, 536, 993, 1026, 1035, 1087, 1127, 1129, 1160, 1187, 1202, 1205, 1317, 1319, 1605, 1713, 1769, 1892–1894, 1934, 2009, 2036, 2115, 2152, 2159, 2189, 2204, 2260, 2334–2336, 2367, 2432, 2494, 2513, 2657, 2666, 2843, 2892, 2919, 3041–3042, 3069, 3114, 3178–3180, 3198, 3210, 3225, 3297, 3398, 3609, 3753, 3796, 3810–3811, 3837, 3875, 3878, 3950, 3967, 4046, 4098–4099, 4241, 4284, 4298, 4351
PHOSPHATIDYLCHOLINES: 287, 289, 447, 1873, 2082, 2257, 2495, 2711, 4309, 4388
PHOSPHATIDYLETHANOLAMINES: 1317, 1458, 1873, 2082
PHOSPHATIDYLINOSITOLS: 1873, 2082, 2186
PHOSPHATIDYLSERINES: 1873, 2082, 4011
PHOSPHOCREATINE: 624, 2047
PHOSPHODIESTERASE INHIBITORS: 915, 2092, 4448
PHOSPHODIESTERASES: 2337, 2419, 2426, 2861
PHOSPHOENOLPYRUVATE CARBOXYKINASES: 1772
PHOSPHOFRUCTOKINASE: 3364
PHOSPHOGLUCONATE DEHYDROGENASE: 38
PHOSPHOGLYCERATE KINASE: 4306
PHOSPHOLIPASE: 321, 496, 2071, 2476, 2900, 3065, 3254, 3296, 3453, 3500, 3668, 3789, 3896, 3929, 4309, 4312
PHOSPHOLIPIDS: 105, 287, 496, 749, 1035, 1339, 1550, 1561, 1667, 1873, 1883, 1977, 2029, 2082, 2450, 2689, 2900, 2954, 3601, 3660, 3668, 3978, 4246, 4312
PHOSPHOPROTEIN PHOSPHATASES: 300, 1285, 4347
PHOSPHOPROTEINS: 481, 749, 1890, 3658, 4035
PHOSPHORUS: 141, 160, 262, 388, 407, 455, 530, 544, 604, 682, 723, 884, 974, 1158, 1205, 1207, 1667, 1680, 1689–1690, 1737, 1892, 1894, 1930, 1944, 1997, 2001, 2062, 2260, 2363, 2556, 2684, 2742, 2835, 2915, 3047, 3161, 3318, 3746, 3810–3811, 3837, 3911, 4004, 4167, 4324, 4470, 4531
PHOSPHORUS METABOLISM DISORDERS: 1207, 2642
PHOSPHORUS RADIOISOTOPES: 1509, 3333
PHOSPHORYLASE A: 1285
PHOSPHORYLASE KINASE: 1260, 1285, 1382
PHOSPHORYLATION: 24–25, 300, 481, 993, 1285, 1641, 1846, 1890, 2145, 2160, 3658, 3789, 3996, 4247, 4263
PHOSPHOTRANSFERASES: 1492
PHOSPHOTRANSFERASES, ATP: 2680, 3275
PHOSPHOTUNGSTIC ACID: 695
PHOSVITIN: 4035
PHOTIC STIMULATION: 404, 2438, 4169
PHOTOCHEMOTHERAPY: 690, 3308
PHOTOGRAMMETRY: 2395–2396
PHOTOGRAPHY: 1516
PHOTOMETRY: 3602
PHOTOSENSITIZATION: 1647, 2351
PHOTOSYNTHESIS: 3067
PHRENIC NERVE: 599
PHTHALIC ACIDS: 273
PHYCOMYCETES: 3891
PHYLOGENY: 3759
PHYSALAEMIN: 1142
PHYSARUM: 4052
PHYSICAL CONDITIONING, ANIMAL: 3766
PHYSICAL EDUCATION AND TRAINING: 4358
PHYSICAL EXAMINATION: 701, 2721, 3282
PHYSICAL FITNESS: 4434
PHYSICAL STIMULATION: 513, 891
PHYSICAL THERAPY: 1087, 1261, 2176, 4188
PHYSICIAN-PATIENT RELATIONS: 708
PHYSICIANS, FAMILY: 1700, 3280
PHYSOSTIGMINE: 102, 489, 1249, 2899
PHYTOHEMAGGLUTININS: 1925, 4271
PHYTOPHTHORA: 3891
PHYTOSTEROLS: 107
PIA MATER: 1505
PICKWICKIAN SYNDROME: 2675
PICOLINIC ACIDS: 1644
PICRATES: 629
PICROTOXIN: 1136
PIGEONS: 335, 546, 3182, 3557
PIGMENT EPITHELIUM OF EYE: 638
PIGMENTATION: 1108, 1560
PIGMENTATION DISORDERS: 1456, 1560
PIGMENTS: 1130, 2969, 4316
PILOCARPINE: 489, 2064, 2319, 2457, 3001, 3175, 3679
PILOT PROJECTS: 4353
PIMOZIDE: 743, 2129, 2612, 2776, 3149, 4146, 4318
PINEAL BODY: 20, 44, 72, 190, 214, 353, 370, 688, 1197, 1362, 1589, 1901, 2186, 2214, 2240, 2295, 2560, 2941, 3006, 3185, 3250, 3315, 3820, 3970, 4026, 4064, 4215, 4247, 4295, 4344, 4457, 4515
PINEALOMA: 914, 3006, 3758, 3919, 4064, 4255
PINOCYTOSIS: 3034, 4095
PIPECOLIC ACIDS: 1056
PIPERAZINES: 882, 1214, 1751
PIPERIDINES: 1460, 2248, 2356, 3043, 4069
PIPEROXAN: 592
PIRIBEDIL: 2129
PITUITARY-ADRENAL SYSTEM: 162, 495, 574, 773, 1101, 1427, 1607, 1794, 2213, 2350, 2535, 2692, 2791, 3074, 3167, 3696–3697, 4390
PITUITARY DISEASES: 306, 863, 1442, 2188, 2370, 2705, 3669
PITUITARY FUNCTION TESTS: 305, 454, 717, 1002, 2325
PITUITARY GLAND: 65, 126, 213, 276, 367, 565, 733, 795, 819, 847, 873, 921, 998, 1004, 1153, 1225, 1236, 1272, 1480, 1497, 1500, 1545, 1582, 1655, 1736, 1804, 1848, 1912, 1929, 1942, 1953, 1962, 2034, 2078, 2112, 2129, 2198, 2206, 2346, 2425, 2429, 2449, 2455, 2480, 2545, 2672, 2686, 2704, 2741, 2799, 2861, 2980, 3034, 3117, 3144, 3162, 3176, 3221, 3247, 3371, 3485, 3488, 3586, 3666, 3670, 3691, 3787, 3885, 3913, 3946–3947, 3958, 4022, 4097, 4198, 4248–4250, 4356, 4426, 4450, 4486
PITUITARY GLAND, ANTERIOR: 53, 70, 100, 269, 306, 321, 360, 489, 551, 626, 639, 777–778, 998, 1004, 1057, 1077–1078, 1301, 1369, 1440, 1555, 1761, 1870, 1901, 1941, 1961, 1970, 2088, 2169, 2250, 2384, 2503–2504, 2514, 2531, 2562, 2681, 2745, 2747, 2845, 2848, 2953, 3116, 3377, 3516, 3518, 3637, 3716, 3924, 3944, 4072, 4109, 4274, 4329, 4426
PITUITARY GLAND, POSTERIOR: 5, 1638, 3080, 3426, 3567, 3589, 3612, 4095, 4426
PITUITARY HORMONE RELEASE INHIBITING HORMONES: 3716
PITUITARY HORMONE RELEASING HORMONES: 296, 548, 565, 1730, 1768, 3249, 3473, 4329
PITUITARY HORMONES: 392, 1730, 1771, 1918, 1953, 2175, 2188, 2544, 2981, 3314, 3744, 3992, 4213
PITUITARY HORMONES, ANTERIOR: 306, 2179, 2317, 2514, 3771, 3860, 4429
PITUITARY HORMONES, POSTERIOR: 1611, 2064
PITUITARY IRRADIATION: 2436
PITUITARY NEOPLASMS: 110, 497, 533, 561, 640, 838, 946, 962, 1001, 1057, 1115, 1152, 1168, 1276, 1278, 1288, 1301, 1314, 1320, 1368, 1515, 1662, 1717, 1720, 1724, 1761–1762, 1788, 1799, 1822, 1914, 1965, 2087–2088, 2302, 2436, 2455, 2470, 2665, 2850, 2880, 2943, 3000, 3012, 3162, 3362, 3371–3372, 3477, 3483, 3574, 3615, 3669, 3728, 3919, 3946, 3992, 4140, 4435, 4437, 4440, 4517
PITYRIASIS RUBRA PILARIS: 4446
PIZOTYLINE: 2197
PLACEBOS: 338, 422, 580, 766, 843, 866, 1338, 1448, 1759, 2252, 2428, 2584, 2921, 3529, 4080, 4126, 4324
PLACENTA: 9, 26, 29, 97, 149–150, 243, 253, 281, 349, 427, 457, 485, 557, 656, 753, 880, 1027, 1132–1133, 1265, 1298, 1365, 1449, 1458, 1530, 1596, 1608, 1657, 1852, 1972, 1978, 1994, 2069, 2182, 2234, 2384, 2442, 2483, 2502, 2533, 2563, 2629–2631, 2710, 2736, 2750, 2788, 2803, 2821, 2838, 3035, 3063, 3072, 3098, 3314, 3334, 3381, 3505, 3580, 3586, 3594, 3676, 3703, 3707, 3794, 3866, 4049, 4100, 4122, 4191, 4262, 4441, 4451, 4492, 4500
PLACENTA DISORDERS: 243, 281, 429, 491, 589, 656, 1027, 1665, 1991, 2442, 2502, 2558, 2736, 3183, 3335, 3995
PLACENTAL FUNCTION TESTS: 1665
PLACENTAL HORMONES: 1741, 1918, 2025, 3586, 4007
PLACENTAL INSUFFICIENCY: 593
PLACENTAL LACTOGEN: 10, 29, 116, 523, 564, 656, 854, 1265, 1296, 1328, 1404, 1608, 1665, 1782, 1913, 1972, 2025, 2151, 2318, 2391, 2661, 3107, 3381, 3403, 3505, 4007, 4117, 4262, 4399
PLACENTATION: 3866
PLANT EXTRACTS: 1251, 4069
PLANT POISONING: 1845, 3938
PLANT PROTEINS: 1979, 4068
PLANTS: 626, 640, 3837, 4436
PLANTS, EDIBLE: 2444
PLANTS, MEDICINAL: 2555, 3023
PLANTS, TOXIC: 4068
PLASMA: 412, 693, 1202, 1488, 2934
PLASMA CELLS: 1167
PLASMA VOLUME: 180, 254, 1281, 2048, 2792, 3317
PLASMACYTOMA: 396, 2131
PLASMAPHERESIS: 429, 2135, 4017
PLASMIDS: 2276, 3550
PLASMINOGEN: 1657, 2911
PLASMINOGEN ACTIVATORS: 586, 1773, 2937, 3350, 4337
PLASMODIUM BERGHEI: 3736
PLASTICIZERS: 2008
PLASTICS: 2008, 3910
PLATELET ADHESIVENESS: 2515, 3604, 4174
PLATELET AGGREGATION: 94, 236, 341, 422, 679, 713, 791, 905, 1137, 1428–1430, 1539, 2399, 2417, 2476, 2537, 2654–2655, 2831, 2974–2975, 2988, 3510, 3604–3605, 3664, 3693, 3733, 3893, 3923, 4047, 4246, 4293, 4320, 4380, 4417
PLATELET FACTOR 3: 2831, 3604, 4246
PLATELET FACTOR 4: 4174
PLATINUM DIAMMINODICHLORIDE: 623, 628, 2117
PLETHYSMOGRAPHY: 2005
PLETHYSMOGRAPHY, IMPEDANCE: 3973
PLEURAL EFFUSION: 955, 1647, 2901
PLOIDIES: 3766
PLUTONIUM: 1388, 2353, 2491, 3151
PNEUMOCONIOSIS: 308
PNEUMOENCEPHALOGRAPHY: 1476, 1612, 1720, 2508, 3162
PNEUMONECTOMY: 77
PNEUMONIA: 328, 1200, 1753, 2543
PNEUMONIA, ASPIRATION: 4537
PNEUMORADIOGRAPHY: 2294
POKEWEED MITOGENS: 924, 2872
POLIOMYELITIS: 949
POLLEN: 1460
POLY A: 169–170, 1238, 1271, 1811, 3557
POLY ADP RIBOSE POLYMERASE: 526, 4164
POLY U: 1811
POLYAMINES: 255, 3968, 4045–4046
POLYBROMOBIPHENYL COMPOUNDS:

1915
POLYCHLOROBIPHENYL COMPOUNDS: 402, 1915, 4100
POLYCHONDRITIS, RELAPSING: 570
POLYCYCLIC HYDROCARBONS: 4179
POLYCYTHEMIA: 1139, 3531
POLYETHYLENE GLYCOLS: 3584, 3846
POLYETHYLENES: 969
POLYLYSINE: 3923
POLYMENORRHEA: 2274
POLYMERS: 4144
POLYMORPHISM (GENETICS): 1230, 1856, 2403, 2710
POLYMYALGIA RHEUMATICA: 867
POLYNEURITIS: 1714
POLYPHLORETIN PHOSPHATE: 930
POLYPHOSPHATES: 3891
POLYPLOIDY: 2236, 3898
POLYPS: 3520
POLYRADICULONEURITIS: 1926, 2430, 3800
POLYRIBOSOMES: 170, 261, 459, 892, 3024, 3260, 3311, 3491
POLYURIA: 3069
POLYVINYL ALCOHOL: 47
POLYVINYL CHLORIDE: 1949, 2484, 3280
POPULATION CONTROL: 1813, 3252
POPULATION DENSITY: 3572
PORPHYRINS: 3819
PORTACAVAL ANASTOMOSIS: 1038, 1502, 3450
PORTAL SYSTEM: 3117
PORTAL VEIN: 283, 1420, 2626, 2668
POSITIVE PRESSURE RESPIRATION: 1349
POSTMORTEM CHANGES: 2587, 3196, 4041
POSTNIDATION PHASE, ANIMAL: 1540
POSTOPERATIVE CARE: 375, 632, 1183, 1652, 2095, 2109, 3682, 3898, 4010, 4221, 4363
POSTOPERATIVE COMPLICATIONS: 104, 229, 304, 368, 375, 443, 692, 769, 796, 886, 991, 1045, 1179, 1262, 1362, 1820, 1839, 2072, 2109, 2228, 2524, 2566, 2740, 2819, 3128, 3164, 3208, 3214, 3242, 3278, 3340, 3375, 3513–3514, 3620, 3722, 4223
POSTOPERATIVE PERIOD: 683, 2566
POSTURE: 174, 310, 438, 608, 1024, 1043, 1075, 1375, 1521, 1764, 2321, 2340, 2792, 3290, 3988, 4183
POTASSIUM: 42, 58, 76, 156, 216–217, 225, 283, 310, 350, 528, 532, 555–556, 581, 624, 865, 922, 1055, 1097, 1172, 1284, 1494, 1554, 1584, 1613, 1748, 1754, 1758, 1879, 1897, 1935, 2070, 2074, 2102, 2161–2162, 2164, 2193, 2319, 2335, 2395, 2458, 2596, 2639, 2687, 2714, 2764, 2828–2829, 2847, 2871, 2906–2907, 2922, 3003, 3087, 3125, 3142, 3262, 3322, 3518–3519, 3585, 3638, 3709, 3713, 3718, 3735, 3753, 3779, 3868, 3871, 3982, 4062, 4183, 4189, 4226, 4342
POTASSIUM CHLORIDE: 79, 629, 1584, 1603, 1876, 2559, 2725, 3442, 4066
POTASSIUM PERMANGANATE: 1887
POULTRY: 4263
POVERTY: 553
POWDERS: 3734
PRACTOLOL: 1171
PRADER-WILLI SYNDROME: 1929, 2178
PRAZEPAM: 3628
PRAZOSIN: 4238
PREALBUMIN: 130, 1786–1787
PRECANCEROUS CONDITIONS: 74, 1709, 3176, 3940
PRECIPITATION: 693, 1287, 4032, 4053
PRECIPITIN TESTS: 253, 2408, 2541
PRECIPITINS: 307
PREDIABETIC STATE: 2386, 3596, 3715
PREDNISOLONE: 19, 84, 139, 182, 225, 241, 482, 906, 1003, 1028, 1076, 1142, 1204, 1300, 1452, 1466, 1488, 1714, 1833, 2024, 2059, 2096, 2119, 2150, 2358, 2364, 2445, 2490, 2514, 2536, 2572, 2579, 2677, 2695, 2901, 3064, 3136, 3158, 3246, 3267, 3359, 3420, 3528, 3596, 3613, 3622, 3647, 3739, 3829, 3862, 3965, 3979, 4010, 4042, 4157, 4360, 4386, 4415, 4443, 4467
PREDNISONE: 118, 220, 256, 299, 311, 490, 524, 539, 637, 660, 665, 693, 732, 759, 793, 824, 929, 961, 1012, 1016, 1025, 1048, 1144, 1200, 1346, 1367, 1434, 1493, 1509, 1513–1514, 1529, 1647, 1652, 1735, 1750, 1902, 1926, 2109, 2131, 2196, 2364, 2430, 2490, 2581, 2728, 2783, 2786, 2791, 2833, 2905, 2908, 3007, 3123, 3128, 3212, 3277, 3359, 3406, 3528, 3551, 3556, 3624, 3745, 3987, 4102, 4160, 4200, 4220, 4378, 4390, 4477, 4514
PRE-ECLAMPSIA: 9, 101, 116, 165, 243, 438, 2442, 2630, 3400
PREGNADIENEDIOLS: 87, 1009, 1403, 2187, 3769
PREGNADIENES: 48, 87, 1170, 1327, 1546, 2319, 2467–2468, 3082, 4418
PREGNANCY: 2, 9–10, 13, 15, 17, 19, 26, 29, 39, 46–47, 89, 96–97, 101, 116, 142, 150, 158, 161, 165, 176, 207, 218, 222–224, 227, 239, 243, 253, 255, 263, 269, 271, 281, 284, 288–289, 301–302, 304, 312, 317, 325, 336, 342, 349, 361, 376, 395, 401, 406, 412, 427, 429, 436, 438, 447, 450, 457, 462, 464, 468, 486, 491, 500, 510, 512, 544, 557, 564, 582, 587, 589–590, 593, 596, 610, 613, 618, 656, 662, 670, 685–686, 689, 707, 715–716, 736, 753, 767, 781–782, 797, 811, 826, 850–852, 854–855, 871–872, 876, 880, 883, 919, 927, 935–936, 960, 992, 995, 1005, 1027, 1044, 1047, 1075, 1080, 1102, 1125, 1132–1133, 1138, 1169, 1196, 1201, 1219, 1221, 1238–1239, 1257, 1265, 1267, 1278, 1296–1298, 1302, 1318, 1322, 1326, 1328, 1355, 1365, 1372, 1398, 1404, 1423, 1425, 1449, 1458, 1468, 1478, 1497–1498, 1530, 1540, 1543, 1594, 1596, 1608, 1619, 1622, 1631, 1647, 1657, 1665, 1683, 1698–1700, 1705, 1724, 1728, 1741, 1752, 1766, 1786, 1794, 1804, 1813–1815, 1820–1821, 1852, 1855, 1885, 1902, 1913, 1940, 1971–1972, 1978, 1983, 1985, 1989–1991, 1994, 2025, 2050, 2055, 2064–2065, 2069, 2075, 2151, 2182, 2192–2193, 2221, 2230, 2234, 2236, 2241–2242, 2251, 2254, 2256, 2258, 2285, 2293, 2318, 2341, 2386, 2391–2392, 2406, 2411–2412, 2415, 2424–2425, 2436, 2440, 2442, 2460, 2466, 2469, 2473, 2483–2484, 2502, 2515–2516, 2533, 2540, 2551, 2558, 2561, 2563, 2578, 2583, 2591, 2593, 2608, 2611, 2623, 2629–2631, 2634, 2646, 2661–2662, 2666, 2671, 2683, 2693–2694, 2710–2711, 2716, 2727, 2735–2736, 2750, 2778, 2784, 2788, 2795, 2803, 2810, 2838, 2849, 2853, 2857–2858, 2864, 2867, 2875, 2879, 2891, 2905, 2918, 2926, 2933, 2968, 2977, 3013, 3035–3036, 3038, 3040, 3063, 3066, 3072–3073, 3098, 3107, 3109, 3115, 3120–3121, 3135, 3183, 3188, 3191, 3194–3195, 3201, 3204, 3206, 3215, 3231–3232, 3234–3235, 3249, 3252, 3263, 3279, 3284, 3312, 3314, 3325, 3334–3335, 3342, 3346, 3361–3362, 3380–3381, 3384, 3392, 3400, 3404, 3415, 3423, 3425, 3427, 3437, 3439, 3443, 3454, 3469, 3505, 3538, 3555, 3559, 3574, 3580, 3586, 3589, 3594–3595, 3607, 3629, 3632, 3637, 3648, 3662–3663, 3676, 3680, 3703, 3720, 3735, 3738, 3743, 3745, 3756, 3771, 3794, 3809, 3818, 3823, 3825, 3839, 3841, 3849, 3854, 3856, 3858, 3866, 3890, 3898, 3942, 3961, 3977, 3981, 3985, 3995, 3998, 4007, 4022, 4027, 4029, 4049, 4072, 4080, 4091, 4100, 4113, 4117–4118, 4122, 4128, 4133, 4150, 4158, 4166, 4191, 4216, 4244, 4262, 4288, 4300, 4310, 4321, 4334, 4340, 4353, 4366, 4391, 4399, 4403, 4409, 4413–4414, 4416, 4423, 4435, 4440–4441, 4451, 4453, 4488, 4492, 4497, 4500, 4502–4504, 4510, 4531, 4534
PREGNANCY, ANIMAL: 222–223, 227, 395, 401, 427, 436, 462, 716, 1257, 1423, 1540, 1594, 2064, 2629, 2631, 2803, 3035, 3135, 3384, 3474, 3756, 3809, 3854, 4340
PREGNANCY COMPLICATIONS: 89, 101, 116, 165, 438, 618, 670, 707, 1125, 1328, 1355, 1647, 1665, 1752, 1902, 2075, 2182, 2193, 2234, 2293, 2341, 2436, 2466, 2515–2516, 2551, 2558, 2593, 2716, 2727, 2778, 3195, 3232, 3400, 3607, 4117, 4366, 4440, 4451, 4492, 4497
PREGNANCY COMPLICATIONS, CARDIOVASCULAR: 1814, 3073, 3890
PREGNANCY COMPLICATIONS, HEMATOLOGIC: 29, 2442
PREGNANCY COMPLICATIONS, INFECTIOUS: 2905, 3284
PREGNANCY, ECTOPIC: 302, 589, 1728, 3195, 4503
PREGNANCY IN ADOLESCENCE: 2469, 2968, 4027
PREGNANCY IN DIABETES: 116, 165, 447, 564, 582, 880, 1027, 1913, 2151
PREGNANCY, MULTIPLE: 10, 281, 1278, 1404, 2182, 2473, 2558, 2858, 3505, 4391
PREGNANCY, PROLONGED: 457, 1125, 3981, 4451
PREGNANCY TESTS: 2, 218, 4451
PREGNANCY TESTS, IMMUNOLOGIC: 1728, 2230, 3040
PREGNANCY TOXEMIAS: 101, 995, 1355, 2151, 2442, 2515, 2583, 2593, 2671, 3607, 4007, 4118
PREGNANCY TRIMESTER, FIRST: 269, 670, 1328, 1820, 1971, 2867, 2875, 2918, 3195, 3559, 4399, 4502
PREGNANCY TRIMESTER, SECOND: 15, 29, 269, 1328, 2623, 2867, 2875, 3215, 3392, 3586, 3771, 4399
PREGNANCY TRIMESTER, THIRD: 10, 15, 39, 438, 564, 1328, 1741, 1814, 1913, 2151, 2192, 2254, 2516, 2623, 2630, 2646, 2661–2662, 2716, 2857, 2867, 2875, 3392, 3505, 4118, 4399
PREGNANCY, TUBAL: 1425, 3040
PREGNANEDIOL: 39, 2234, 3261, 4007, 4327
PREGNANEDIONES: 1120, 1532, 2817, 3156, 3999
PREGNANES: 2366, 2865, 3405
PREGNANETRIOL: 271, 4104
PREGNENEDIONES: 1781
PREGNENOLONE: 1298, 1606, 1641, 1703, 1862, 2244, 2505, 2811, 2991, 3130, 3146, 3676, 3845, 3851, 3963, 4310, 4327
PREGNENOLONE CARBONITRILE: 402, 1067, 2110
PREKALLIKREIN: 4518
PREMARIN: 3546
PREMEDICATION: 1482, 1622, 1791, 3148
PREMENSTRUAL TENSION: 2238, 3370
PRENATAL CARE: 753, 1404, 2558
PRENATAL DIAGNOSIS: 10, 158, 1404, 2608, 3183, 3580, 3818, 4451
PRENIDATION PHASE, ANIMAL: 613, 706, 1326, 1423, 1540
PREOPERATIVE CARE: 602, 632, 849, 1546, 2695, 4106, 4221
PREOPTIC AREA: 200, 697, 743, 1259, 1648, 2116, 2647, 2881, 3387, 3677, 3700, 3770, 3808, 4136, 4329
PRESCRIPTIONS, DRUG: 785
PRESERVATION, BIOLOGICAL: 2587, 3378, 4204
PRESSORECEPTORS: 1807, 2313
PRESSURE: 679, 887, 944, 1201, 1755, 2313, 3234, 3401, 4195
PRILOCAINE: 3320
PRIMATES: 4244
PRIMIDONE: 1141
PRISONERS: 4375
PROBENECID: 292, 2702, 3780, 4151
PROCAINE: 4004
PROCARBAZINE: 182, 961, 988, 1529, 2783, 3363, 4157
PROCOLLAGEN: 1099, 2276
PROCTITIS: 967, 3136
PROESTRUS: 143, 584, 1036, 1386, 1755, 3213, 3249, 4136
PROGERIA: 293, 1210, 2569
PROGESTATIONAL HORMONES: 2, 46, 390, 676, 767, 797, 992, 1398, 1497, 1597, 1677, 1804, 1872, 2238, 2538–2539, 2555, 2583, 2737, 2765, 2862, 2981, 3674, 3845, 3974, 4197, 4502–4503
PROGESTATIONAL HORMONES, SYNTHETIC: 263, 511, 1339, 2112, 2167, 3476, 3600, 4049
PROGESTERONE: 63, 67, 142, 166, 239, 263, 285, 301, 304, 322, 346, 401, 411, 462, 495, 504, 510, 512, 526, 564, 606, 612–613, 666, 766, 825, 850, 857, 896, 898, 916, 935, 950, 997, 1006, 1043–1044, 1046, 1075, 1080, 1131, 1133, 1157, 1169, 1191, 1201, 1209, 1239, 1247, 1257, 1267, 1295–1296, 1302, 1326–1329, 1386, 1389, 1423, 1449, 1455, 1501, 1521–1522, 1530, 1540, 1619, 1625, 1729, 1741, 1755, 1812, 1851, 1872, 1916, 1941, 1985, 2012, 2066, 2091, 2106, 2132, 2156, 2167, 2179, 2239, 2297, 2320, 2324, 2326, 2342, 2344, 2411, 2495–2496, 2517, 2609, 2645, 2649, 2675, 2706, 2765, 2806, 2845, 2852, 2865, 2912, 2957, 2991, 3024, 3057, 3104, 3110, 3115, 3130, 3135, 3138, 3145–3146, 3194–3195, 3199, 3232, 3234–3235, 3249, 3311, 3423–3424, 3433, 3469, 3474, 3491, 3509, 3515, 3522, 3530, 3537–3538, 3557, 3560, 3597, 3600, 3644, 3662–3663, 3727, 3770, 3776, 3787, 3809, 3838, 3845, 3907, 3930, 3937, 3945, 3947, 3951, 3961, 3974, 3976, 3985, 4007, 4009, 4015, 4040, 4051, 4096, 4190, 4216, 4257–4258, 4280, 4309–4310, 4327, 4330, 4340, 4423, 4458, 4534
PROGESTERONE BINDING GLOBULIN:

4310
PROGNOSIS: 8, 11–12, 36, 277, 299, 311, 466, 597, 670, 717, 961, 967, 994, 1016, 1070, 1105, 1198, 1303, 1343, 1464, 1510, 1543, 1647, 1701, 1735, 1750, 1759, 1802, 1853, 1855, 1909, 1973, 2157, 2217, 2228, 2370, 2532, 2822, 2825, 2901, 2990, 3027, 3356, 3406, 3525, 3546, 3556, 3717, 3730, 3818, 3935, 4013, 4157, 4211, 4237, 4251, 4296, 4338, 4456, 4494
PROLACTIN: 1, 52, 100, 150, 222, 228, 325, 335, 472, 475, 486, 497, 533, 551, 561, 608, 650, 685, 687, 697, 714, 717, 730, 740, 766, 819, 825, 853, 863, 910, 938, 1023, 1034, 1077, 1082, 1100, 1152, 1168, 1196, 1224–1225, 1276, 1281, 1301, 1316, 1322, 1327, 1345, 1364, 1368, 1500, 1504, 1521, 1536, 1538, 1545, 1582, 1648, 1717, 1724, 1730, 1736, 1768, 1783–1784, 1810, 1813–1814, 1822, 1847, 1914, 1941, 1961, 1971, 2012, 2079, 2087–2088, 2107–2108, 2129, 2173, 2175, 2179, 2199, 2221, 2232, 2237, 2291, 2302, 2317, 2325, 2339, 2424, 2429, 2440–2441, 2463, 2466, 2481, 2493, 2503, 2507, 2528, 2531, 2552, 2562, 2567–2568, 2576, 2612, 2648, 2661–2662, 2665, 2681, 2705, 2711, 2745, 2747, 2769, 2775, 2799, 2845, 2876–2877, 3012, 3088, 3117, 3150, 3163, 3169, 3194, 3207, 3232, 3249, 3263, 3279, 3286, 3312, 3360, 3377, 3423, 3451, 3472, 3488, 3490, 3530, 3574, 3615, 3630, 3633, 3637, 3669, 3691, 3708, 3744, 3771, 3803, 3856, 3860, 3919, 3944–3946, 3977, 4018, 4051, 4070, 4083, 4109, 4138, 4140, 4146, 4152, 4187, 4213, 4326, 4435, 4450, 4499, 4515, 4517
PROLACTIN RELEASE INHIBITING HORMONE: 1034, 2562, 4070
PROLACTIN RELEASING HORMONE: 370, 2562, 2845, 3633
PROLAPSE: 2675
PROLINE: 184, 193, 831, 1528, 2284, 2771, 2894
PROMETHAZINE: 429, 3246
PROMETRYNE: 3373
PRONASE: 2071
PROPANE: 339, 3126
PROPANOLAMINES: 1757, 2249, 2428, 2563, 2933
PROPERDIN: 541
PROPIONATES: 467, 3029
PROPIONIBACTERIUM ACNES: 630, 1234
PROPRANOLOL: 180, 200, 437, 735, 830, 845, 891, 1010, 1154, 1177, 1203, 1242, 1433, 1525, 1694, 1792, 2143, 2237, 2246, 2249, 2322, 2446, 2559, 2766, 2781, 2845, 2871, 2922–2923, 3093, 3264, 3310, 3417, 3579, 3800, 3949, 4090, 4275, 4367
PROPYLAMINES: 720, 2635
PROPYLTHIOURACIL: 958, 1186, 1712, 1759, 2431, 2921, 2954
PROSIMIANS: 414, 1330
PROSPECTIVE STUDIES: 2, 304, 545, 615, 1129, 1475, 1700, 2089, 2266, 2379, 2779, 2827, 2864, 3306, 3505, 4433
PROSTAGLANDIN ANTAGONISTS: 254, 735, 775, 1005, 1090, 1429, 1687, 2896, 3112, 3338, 3401, 3646, 4320
PROSTAGLANDIN ENDOPEROXIDES: 258, 1649, 2654, 3605, 3732
PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC: 2798
PROSTAGLANDIN SYNTHASE: 78, 251, 424, 1397, 1429, 2102, 2202, 2476, 2689, 3608, 3646, 3733, 4137, 4236
PROSTAGLANDINS: 78, 98, 106, 127, 158, 236, 254, 258, 298, 338, 365, 424, 461, 492, 619, 679, 735, 764, 808–809, 818, 820, 930, 964, 1005, 1007, 1017, 1032, 1090, 1097, 1118, 1122, 1137, 1139, 1174, 1185, 1201, 1217, 1267, 1281, 1284, 1286, 1378–1379, 1385, 1391–1392, 1421, 1428–1430, 1449, 1463, 1562, 1566, 1579, 1593, 1628, 1649, 1676, 1684–1685, 1687, 1777, 1820, 1876, 1921, 1985–1986, 2001, 2006, 2029, 2067, 2197, 2202, 2268, 2303, 2417, 2476, 2550, 2578, 2580, 2613, 2622, 2632–2633, 2654–2655, 2689, 2691, 2697, 2708, 2715, 2748, 2764, 2777, 2798, 2831, 2896, 2936, 2950, 2957, 2975, 3112, 3138, 3216, 3255, 3338, 3360, 3399, 3430, 3499, 3508, 3510, 3547, 3605, 3608, 3614, 3627, 3646, 3664, 3668, 3692–3693, 3706, 3711, 3731, 3733, 3773, 3784, 3874, 3877, 3893, 4047, 4127, 4137, 4201, 4229–4230, 4271, 4292–4293, 4302, 4312, 4317, 4319–4320, 4377, 4380, 4397, 4430, 4490
PROSTAGLANDINS A: 619, 735, 820, 930, 1566, 2622, 2777, 3399, 3671, 3711, 3877
PROSTAGLANDINS A, SYNTHETIC: 3671
PROSTAGLANDINS B: 1335, 3255, 3711
PROSTAGLANDINS D: 106, 3430, 4320
PROSTAGLANDINS E: 23, 92, 94, 114, 219, 251, 321, 341, 464, 642, 679, 735, 750, 820, 908, 930, 1017, 1044, 1097, 1118, 1134, 1142, 1159, 1312, 1385, 1471, 1500, 1539, 1566, 1628, 1661, 1793, 1836, 1889, 1986, 2102, 2324, 2449, 2479, 2580, 2622, 2629, 2632, 2667, 2697, 2719, 2748, 2764, 2777–2778, 2829, 2881, 2902, 2916, 2971, 3138, 3221, 3235, 3255, 3265, 3307, 3310, 3338, 3366, 3399, 3401, 3410, 3430, 3499, 3549, 3605, 3671, 3675, 3689, 3711, 3731, 3784, 3816, 3877, 3914–3916, 3923, 3931, 3949, 4019, 4038, 4109, 4229–4230, 4236, 4246, 4292, 4299, 4302, 4320, 4353, 4430
PROSTAGLANDINS E, SYNTHETIC: 219, 930, 1793, 2067, 2928, 3671
PROSTAGLANDINS F: 46, 114, 239, 464, 587, 619, 679, 735, 820, 908, 930, 982, 1042, 1046, 1118, 1335, 1385, 1413, 1455, 1566, 1595, 1628, 1758, 1889, 1985, 2132, 2580, 2622, 2629, 2632–2634, 2654, 2667, 2719, 2748, 2777, 2829, 2867, 2916, 2971, 3035, 3138, 3234, 3255, 3265, 3399, 3423–3424, 3605, 3711, 3731, 3771, 3773, 3877, 3916, 4038, 4040, 4051, 4127, 4229–4230, 4240, 4292, 4299, 4302, 4430
PROSTAGLANDINS F, SYNTHETIC: 18, 1758, 1820, 2950, 3193, 3559–3560
PROSTAGLANDINS G: 1286, 3605
PROSTAGLANDINS H: 1286, 2476, 2798, 3605
PROSTAGLANDINS, SYNTHETIC: 341, 1007, 1676, 2417, 2798, 3733
PROSTAGLANDINS X: 236, 258, 338, 365, 679, 818, 964, 1017, 1284, 1391–1392, 1430, 1649, 1676, 1985, 2476, 2633, 2654, 2798, 2831, 2950, 3508, 3664, 3668, 3692–3693, 3731, 3874, 3893, 4047, 4127, 4292–4293, 4302, 4319–4320, 4377, 4380
PROSTANOIC ACIDS: 1391
PROSTATE: 51, 120, 511, 616, 846, 1293, 1422, 1520, 1664, 2506, 2531, 2571, 2769, 2804, 3201, 3598, 3688, 3859, 3969, 4045, 4142, 4347
PROSTATIC DISEASES: 3451
PROSTATIC HYPERTROPHY: 211, 3451, 4069
PROSTATIC NEOPLASMS: 846, 1070, 1194, 1274, 1753, 2262, 2583, 2678, 3451, 3546, 3571, 3598, 4193, 4211, 4437
PROSTATITIS: 699
PROSTHESIS: 944, 1096, 2133, 4195
PROTAMINES: 1271, 3941
PROTEASE INHIBITORS: 755, 1765, 2680, 3190, 3408, 4337
PROTEIN BINDING: 25, 47, 120, 319, 379, 415, 523, 606, 657, 659, 801, 902, 974, 1094, 1219, 1313, 1387, 1429, 1438, 1490, 1580, 1674–1675, 1689, 1804, 1874, 1905, 2287, 2481, 2492, 2757, 2841, 2900, 2904, 3027, 3118, 3129, 3181, 3287, 3396, 3425, 3456, 3516, 3535–3536, 3538, 3540, 3598, 3632, 3641, 3707, 3750, 3901, 3928, 4072, 4089, 4139, 4310, 4316, 4341, 4447, 4471
PROTEIN-BOUND IODINE TEST: 507, 1740, 1996, 2054, 2093, 2598, 3503, 3750, 3844, 4114
PROTEIN-CALORIE MALNUTRITION: 1102, 1558
PROTEIN CONFORMATION: 193, 396, 514, 684, 902, 2170, 2290, 2318, 2690, 2733, 3456, 3512, 3535, 3616, 4063, 4310, 4321
PROTEIN DEFICIENCY: 1102, 3603
PROTEIN DENATURATION: 201, 399, 684, 750, 1054, 1099
PROTEIN KINASE: 24, 168, 198, 255, 300, 585, 1089, 1130, 1193, 1285, 1382, 1490, 1641, 1661, 1674–1675, 1778, 1846, 1890, 2145, 2160, 2513, 3037, 3094, 3350, 3410, 3501, 3658, 3689, 3750, 3996, 4373
PROTEIN O-METHYLTRANSFERASE: 626
PROTEIN METHYLTRANSFERASES: 626
PROTEIN PRECURSORS: 315, 998, 3666
PROTEINS: 105, 130, 399, 430, 459, 470, 522, 706, 829, 952, 1217, 1337, 1586, 1625, 1718, 1760, 1920, 1923, 1939, 2004, 2084, 2133, 2206, 2253, 2369, 2414, 2589, 2697, 2717, 2855, 2969, 2976, 3152, 3279, 3412, 3509, 3554, 3603, 3621, 3639, 3688, 3724, 3797, 3824, 3838, 3859, 3866, 3872, 3933, 3938, 3975, 4165, 4175, 4269, 4330, 4395
PROTEINURIA: 2085, 2619, 3883, 3890
PROTEOGLYCANS: 2004, 2589, 3358
PROTEOLIPIDS: 684, 1035
PROTHROMBIN: 1441, 3601
PROTHROMBIN TIME: 2921, 3893
PROTONS: 3397, 3409, 4097
PROTOPLASTS: 1644
PROTRIPTYLINE: 671, 1225
PRURIGO: 3224
PRUSSIAN BLUE REACTION: 297
PSEUDOHERMAPHRODITISM: 423, 1316, 1393, 1407, 3466, 3678, 4115, 4487, 4493
PSEUDOHYPOPARATHYROIDISM: 837, 2009, 2137, 2914, 3561, 3753, 3796, 4055, 4382
PSEUDOPODIA: 2854
PSEUDOPREGNANCY: 46, 401, 1046, 1497, 2747, 2846, 3249, 3469, 3809
PSORIASIS: 577, 1684, 1702, 1945, 2316, 2905, 3308, 4301, 4446
PSYCHIATRIC STATUS RATING SCALES: 422, 1906, 2232, 2876
PSYCHIATRY: 4491
PSYCHOLOGICAL TESTS: 1476, 1479, 3815
PSYCHOLOGICAL THEORY: 757
PSYCHOPATHOLOGY: 761
PSYCHOPHYSIOLOGIC DISORDERS: 2028, 2217, 3572
PSYCHOPHYSIOLOGY: 1427, 2217, 4169
PSYCHOSES: 2044, 2876
PSYCHOSES, INVOLUTIONAL: 3198
PSYCHOSES, MANIC-DEPRESSIVE: 574, 645, 2720, 2723, 2768, 3198, 3291, 3351, 3645, 4151
PSYCHOSES, TOXIC: 16, 1682
PSYCHOSEXUAL DEVELOPMENT: 761
PSYCHOTHERAPY: 712, 1195, 3674
PSYCHOTROPIC DRUGS: 1141, 1730, 2793
PTERIDINES: 3614
PTEROYLPOLYGLUTAMIC ACIDS: 3325
PUBERTY: 544, 1045, 1266, 2072, 2081, 2545–2546, 2669, 3044, 3201, 3345, 3486, 3653–3654, 3702, 4296, 4348, 4370, 4444
PUBERTY, PRECOCIOUS: 1135, 1929, 2294, 3021, 3345, 4444, 4459
PUBIC BONE: 478
PUBIC SYMPHYSIS: 2176
PUBLISHING: 1685
PUERPERAL DISORDERS: 1813, 2593, 3335, 4491
PUERPERAL INFECTION: 3335
PUERPERIUM: 89, 850, 1355, 1971, 2025, 2064, 2661–2662, 2867, 3072–3073, 3109, 3637, 4083
PULMONARY ALVEOLI: 2312, 2976
PULMONARY ARTERY: 259, 1092, 1349, 1413, 4292
PULMONARY CIRCULATION: 1091, 2663, 3147
PULMONARY EDEMA: 1254, 2976
PULMONARY EMBOLISM: 229
PULMONARY EMPHYSEMA: 772
PULMONARY FIBROSIS: 793, 4494, 4496
PULMONARY HEART DISEASE: 307
PULMONARY SURFACTANT: 3831, 4537
PULMONARY VEINS: 1507
PULSE: 2383, 3835
PUNCTURES: 124, 2457
PUPIL: 1992, 4127
PURINE NUCLEOSIDES: 1175
PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS: 3780, 4480
PURINES: 1491
PURKINJE CELLS: 198
PURKINJE FIBERS: 1748, 2907
PUROMYCIN: 535, 1970, 3055, 3914, 4447
PURPURA, THROMBOPENIC: 661, 1003
PYELITIS: 3011
PYLORIC ANTRUM: 3671
PYLORIC STENOSIS: 1733
PYLORUS: 4482
PYODERMA: 3337, 3395
PYRAMIDAL TRACTS: 861
PYRAZINAMIDE: 3780
PYRAZINES: 3003
PYRAZOLES: 3095, 4201
PYRIDINES: 319, 2596, 3293–3294
PYRIDOXAL PHOSPHATE: 3774
PYRIDOXINE: 83, 1395, 1724, 4501
PYRIDOXINE DEFICIENCY: 2075
PYRILAMINE: 578, 1507, 3056
PYRIMETHAMINE: 122
PYRIMIDINES: 809, 1792, 2450
PYROGENS: 154, 586, 2738, 2897, 3498, 3675
PYROGLOBULINS: 2357

PYROPHOSPHATASES: 3891
PYROPHOSPHATES: 59, 275, 878, 2548, 2600, 3333
PYRROLES: 2828
PYRROLIDINES: 1460, 1688, 2319, 3223, 3847, 4069
PYRROLIDONECARBOXYLIC ACID: 2894
PYRROLIZIDINE ALKALOIDS: 3280
PYRUVATE DEHYDROGENASE COMPLEX: 868
PYRUVATE DEHYDROGENASE PHOSPHATASE: 868
PYRUVATE KINASE: 3617
PYRUVATES: 934, 1719, 2047, 2381, 2485, 2767, 3068, 3443, 3450, 3570, 3863

Q

QUADRIPLEGIA: 3087
QUAIL: 2233, 2592, 2621, 4261
QUALITY CONTROL: 1485, 1810, 3143, 3263, 3332
QUANTUM THEORY: 1199, 2356
QUESTIONNAIRES: 1079, 1844, 3370
QUINACRINE: 805, 900, 1990, 3773, 4173
QUINACRINE MUSTARD: 4041
QUINAZOLINES: 4238, 4412
QUININE: 1171
QUINOLINES: 1215, 4186
QUINUCLIDINES: 2427
QUIPAZINE: 61, 1215, 4186

R

R 5020: 2344, 4257
RA 233: 94
RABBITS: 21–22, 25, 40, 94, 114, 147, 154, 163, 234, 236, 273, 365, 390, 392, 394–395, 411, 510, 541, 552, 575, 613, 633, 639–640, 642, 646, 672, 674, 713, 720, 729, 735, 750, 805, 876, 890, 901, 917, 949, 964, 1029, 1040, 1080, 1117, 1159, 1167, 1192, 1201, 1232, 1255, 1285, 1306, 1334–1335, 1340, 1345, 1430, 1516, 1531, 1550, 1554, 1603, 1614, 1664, 1674, 1678–1679, 1748, 1766, 1780, 1795, 1848, 1850, 1890, 1920, 1992, 2029, 2032, 2060, 2083, 2140, 2142, 2148, 2215, 2222, 2248, 2255, 2277, 2281, 2290, 2301, 2350, 2397, 2423, 2453, 2491, 2499, 2555, 2602–2603, 2617, 2633, 2645, 2654, 2664, 2670, 2697, 2708, 2734, 2741, 2754, 2791, 2793, 2838, 2846, 2852, 2897, 2934, 2936, 2975, 2986–2987, 2993, 2995, 3022–3023, 3110, 3112, 3115, 3117, 3127, 3151, 3167, 3178, 3188, 3205, 3245–3246, 3253, 3255, 3268, 3316, 3327, 3358, 3446, 3453, 3458, 3469, 3501, 3605, 3608, 3617, 3628, 3634–3635, 3637, 3641, 3660, 3664, 3709, 3711, 3727, 3750, 3752, 3759, 3767, 3790, 3794, 3802, 3814, 3866, 3873, 3912, 3928–3929, 3949, 3996, 4038, 4066, 4093, 4127, 4144, 4150, 4172, 4229, 4240, 4243, 4253, 4292, 4305, 4320, 4335, 4377, 4387, 4431, 4468, 4471, 4537
RABIES: 3798
RACIAL STOCKS: 2174, 2418, 3995
RADIAL NERVE: 1248
RADIATION DOSAGE: 111, 151, 164, 2370, 2729, 3197
RADIATION INJURIES: 1200, 1684, 2370, 3493
RADIATION INJURIES, EXPERIMENTAL: 2443, 4097
RADIATION, IONIZING: 111, 154
RADIATION MONITORING: 111
RADIATION PROTECTION: 151, 164, 1210, 1765, 2729
RADIATION-PROTECTIVE AGENTS: 1765, 2753, 4003
RADIATION TOLERANCE: 268, 1368, 1732, 1765, 4400
RADIO WAVES: 4466
RADIOALLERGOSORBENT TEST: 2543
RADIOCHEMISTRY: 1928, 2491, 3389
RADIODERMATITIS: 1765
RADIOGRAPHIC IMAGE ENHANCEMENT : 147, 151, 2837
RADIOGRAPHY, DENTAL: 2729
RADIOGRAPHY, PANORAMIC: 2729, 2731
RADIOIMMUNOASSAY: 5, 13, 67, 106, 165, 230, 290, 325, 332, 361–362, 523, 572, 644, 740, 801, 812, 825, 841, 851, 1018, 1032, 1046, 1049, 1051, 1085, 1151, 1155, 1219, 1236, 1296, 1379, 1421, 1423, 1439, 1455, 1485, 1499, 1513, 1548, 1581, 1618, 1636, 1639, 1655, 1768, 1850–1851, 1858, 2053, 2079–2080, 2091, 2230, 2278, 2289, 2312, 2404, 2406, 2452, 2499, 2542, 2599, 2602, 2630, 2633, 2636–2637, 2648–2649, 2661–2662, 2750, 2810–2811, 2815, 2818, 2826, 2934, 3013, 3015, 3094, 3097, 3142–3143, 3218, 3226, 3232, 3249–3250, 3263, 3279, 3323, 3369, 3392, 3396, 3407, 3550, 3562, 3606, 3618, 3620, 3919, 3948, 3961, 3963, 3972, 3997, 4032, 4133, 4187, 4227, 4230, 4279, 4288, 4344, 4403, 4504, 4534
RADIOIMMUNOSORBENT TEST: 4326
RADIOISOTOPE RENOGRAPHY: 4205
RADIOISOTOPE TELETHERAPY: 3482, 3493, 4211, 4363
RADIOISOTOPES: 1927, 2146, 3389, 3634, 3896
RADIOLIGAND ASSAY: 523, 819, 1345, 1691, 2177, 2230, 3323, 4259
RADIOLOGY: 1697
RADIONUCLIDE IMAGING: 1838, 1896, 1927, 3768
RADIOTHERAPY: 406, 663, 925, 988, 2228, 2236, 2422, 3367, 3953, 4223, 4462
RADIOTHERAPY DOSAGE: 11, 268, 1200, 2422, 3123, 3214, 3482, 3493, 4106, 4211, 4237, 4255
RADIOTHERAPY, HIGH ENERGY: 1510, 3406, 3493, 3717, 3992
RADIUM: 948, 1928, 2491, 2547, 2978, 3389
RADIUS: 2433, 3354, 3463, 3481, 4192
RADIUS FRACTURES: 702
RADON: 2491
RAIN: 391
RANA: 348, 620, 2758, 4073
RANA CATESBEIANA: 1703–1704, 1879, 2680
RANA ESCULENTA: 2245
RANA PIPIENS: 3034, 3522, 3567
RANA TEMPORARIA: 3760, 3806
RANDOM ALLOCATION: 2714, 4338
RAPHE NUCLEI: 205, 1334, 2420
RATS: 5, 8, 14, 42, 56, 58, 60–61, 69, 72, 78–79, 90–93, 97, 102, 109, 120, 126, 132, 135, 143, 147, 161, 168–170, 172, 175–177, 179, 184, 191, 198, 200, 203, 205, 215, 219, 225, 227, 234, 239, 241, 252, 254, 262–265, 273, 276, 279, 282–284, 292, 294, 312, 317, 321–322, 333–334, 348, 350, 354, 360, 367, 369–370, 380, 387, 392–394, 398, 403–404, 407, 409, 433–434, 452, 462, 465, 472, 475, 477, 480–481, 484, 489, 493–495, 506, 509, 511, 519, 522, 531, 535–536, 542–543, 548–549, 551, 556, 562, 573, 584–585, 590, 592, 607, 616, 624–625, 627, 639, 647, 664, 666–667, 675, 678, 694, 697, 700, 713, 715–716, 720, 726, 728, 733, 743, 748, 754, 758, 763–764, 770–771, 773–774, 777–778, 780, 786, 788, 792, 802–805, 818–820, 822, 828–831, 838–839, 842, 845–848, 853, 861, 865, 873, 876, 880–882, 887, 890, 895, 898–899, 904, 906, 910, 916, 920, 943, 956, 958, 964–965, 971, 974, 976, 980, 983–984, 993, 998, 1000, 1013, 1034, 1037, 1043, 1046–1047, 1056, 1059, 1067, 1072, 1075, 1082, 1094, 1100, 1102–1104, 1110, 1119, 1123, 1127, 1134, 1146, 1169, 1172, 1181, 1185–1187, 1191–1192, 1201, 1214–1217, 1219, 1224–1225, 1228, 1235, 1241–1246, 1249–1250, 1254–1255, 1257, 1269, 1286, 1292, 1301, 1304, 1310–1311, 1332, 1337, 1340, 1345, 1351, 1356, 1358–1359, 1361–1362, 1364, 1366, 1368, 1371, 1376, 1384, 1386, 1389, 1399, 1402, 1410, 1421–1422, 1424, 1435, 1443–1444, 1449–1450, 1454, 1458, 1465, 1473–1474, 1490, 1496, 1498, 1500, 1518, 1520–1522, 1524–1526, 1533, 1541, 1545, 1553, 1555, 1558, 1567, 1580, 1590, 1593–1594, 1607, 1609, 1613, 1618, 1626–1627, 1632–1633, 1635–1636, 1638, 1641, 1645, 1648, 1655, 1666–1667, 1669–1670, 1677, 1683, 1691, 1694, 1705, 1709–1710, 1713, 1715–1716, 1718–1719, 1721–1722, 1724, 1727, 1754–1755, 1768–1769, 1772, 1774–1775, 1778, 1783–1785, 1798, 1819, 1847–1848, 1859, 1861, 1863, 1866, 1873, 1875, 1883, 1885, 1889, 1891, 1901, 1912, 1915, 1917, 1921, 1923, 1925, 1927, 1930, 1933, 1940, 1954–1955, 1962–1963, 1970, 1976, 1978, 1983, 1998, 2011–2012, 2015, 2021, 2027, 2034–2036, 2047, 2058, 2063, 2065, 2083, 2085, 2092, 2100, 2104, 2110–2111, 2120, 2125, 2127, 2129–2130, 2133, 2143, 2145, 2153, 2159–2160, 2165, 2168, 2177, 2179–2181, 2183, 2186, 2200–2201, 2204, 2214, 2240, 2244, 2247–2249, 2258, 2260, 2264, 2279, 2281–2282, 2284, 2287, 2289, 2293, 2297, 2300, 2314–2315, 2324, 2328, 2331–2332, 2343, 2349, 2367–2369, 2375, 2389, 2395–2396, 2400, 2405, 2409–2411, 2414, 2420–2421, 2427, 2429, 2435, 2440, 2443, 2446, 2449, 2457–2458, 2461, 2474, 2480–2481, 2489, 2492–2493, 2498–2499, 2505–2506, 2512, 2518, 2520, 2523, 2528, 2541, 2556, 2562, 2567–2568, 2571, 2580, 2604, 2607, 2615, 2618, 2628, 2635, 2642, 2654, 2667, 2670, 2672, 2681, 2687–2689, 2712, 2717, 2719, 2725, 2737, 2743–2744, 2747, 2749, 2756, 2762, 2764, 2769–2772, 2776–2777, 2782, 2790, 2793, 2801–2802, 2812, 2814, 2817, 2840, 2845, 2855, 2861, 2863, 2870, 2886–2889, 2894, 2898, 2904, 2906, 2913, 2916–2917, 2922, 2926, 2929–2930, 2934, 2936, 2938, 2940–2941, 2950, 2954–2955, 2961, 2964, 2966, 2971, 2975, 2980–2981, 2983, 2986, 3001, 3009, 3020, 3028, 3030, 3032, 3035, 3037, 3046–3047, 3051, 3055–3056, 3058, 3074, 3077, 3080–3081, 3090, 3094, 3101, 3114, 3116–3117, 3119, 3125, 3130, 3132, 3135, 3137, 3149, 3160, 3165, 3175–3176, 3178, 3184, 3189, 3199, 3201–3202, 3207, 3219, 3221, 3223, 3228–3230, 3241, 3244, 3250, 3262, 3270, 3272, 3295, 3299, 3302, 3304, 3307, 3312, 3320, 3331, 3333, 3338, 3344, 3355, 3377–3378, 3383, 3386, 3389, 3393, 3402, 3417, 3419, 3421, 3423–3426, 3428–3429, 3433, 3436, 3445–3446, 3448, 3450, 3454, 3457, 3465, 3470, 3483, 3489, 3494, 3499, 3501, 3508, 3516, 3523, 3534, 3549–3550, 3552, 3554, 3563, 3570, 3576–3577, 3583–3585, 3587, 3589, 3601, 3603, 3608, 3610, 3614, 3618, 3621, 3626, 3629, 3633, 3636, 3638, 3653–3654, 3658–3659, 3662, 3664, 3680, 3686–3688, 3695–3698, 3708, 3714, 3720, 3724–3725, 3741, 3744, 3747, 3752, 3761–3762, 3766–3767, 3770, 3773–3774, 3784, 3791, 3810–3811, 3813–3814, 3824–3825, 3828, 3831, 3836–3837, 3845–3847, 3854–3856, 3858, 3863, 3866, 3874, 3883–3885, 3895, 3910, 3916–3917, 3922, 3924, 3930, 3933, 3946, 3957–3960, 3964, 3969, 3971–3972, 3974–3975, 3977, 4003, 4008, 4011, 4019, 4024, 4026, 4028, 4032, 4044–4045, 4047, 4053, 4070, 4074, 4082–4083, 4089, 4095–4096, 4098–4099, 4108–4110, 4115, 4120, 4123, 4136, 4138–4139, 4142–4143, 4145, 4147–4148, 4150, 4153, 4165, 4175, 4179–4181, 4184–4187, 4190–4191, 4195, 4197–4198, 4201, 4213, 4216, 4218, 4242, 4257, 4269–4270, 4272–4274, 4281–4284, 4290, 4299, 4309, 4311–4312, 4316, 4318–4320, 4325, 4327, 4330, 4334, 4337, 4344, 4347, 4359, 4361, 4367, 4369, 4372–4373, 4386, 4388, 4393–4395, 4398, 4401, 4411–4412, 4424, 4428, 4447, 4455, 4457, 4464, 4479, 4485, 4515, 4537
RATS, INBRED ACI: 3030, 3523
RATS, INBRED F344: 1555, 1710, 2201
RATS, INBRED LEW: 234, 2772, 3176
RATS, INBRED STRAINS: 675, 993, 1555, 2168, 2772, 3030, 3457, 3638, 4153, 4290
RAYNAUD'S DISEASE: 1647, 3209, 3365
REACTION TIME: 90, 102, 173, 393, 1727, 2213, 3198, 4393, 4485
REAGENT KITS, DIAGNOSTIC: 1665, 1691, 1996, 2053–2054, 2404, 2599, 2636–2637, 2932
REAGINS: 2543
RECEPTORS, ADRENERGIC: 99, 283, 358, 489, 542, 562, 659, 714, 729, 891, 976, 1146, 1225, 1310, 1465, 1562, 1633, 1866, 2100, 2237, 2427, 2888, 3799, 3865, 3884, 4367, 4394
RECEPTORS, ADRENERGIC, ALPHA: 714, 1146, 1562, 1591, 2237, 3884
RECEPTORS, ADRENERGIC, BETA: 99, 358, 659, 729, 953, 1146, 1310, 1465, 1591, 1866, 1964, 2237, 2427, 2888, 3865, 4131, 4367
RECEPTORS, ANDROGEN: 511, 1293, 1422, 2007, 2713, 2877, 3237, 3433, 3464, 3598, 4165
RECEPTORS, ANGIOTENSIN: 129, 876, 1037, 1040, 1232, 1240, 2647, 3583, 3585, 3625, 3677, 4239
RECEPTORS, CHOLINERGIC: 1229, 2319, 2427, 2458, 2893, 3174–3175, 3276, 3696–3697, 3709, 3799
RECEPTORS, CYCLIC AMP: 117, 416, 1190, 1875, 2513, 2519, 3094, 3480
RECEPTORS, DOPAMINE: 16, 126, 489, 542, 562, 714, 730, 743, 982, 1224, 1244, 1390, 1577, 1682, 2770, 3149, 3175, 3884, 4070, 4078, 4208
RECEPTORS, DRUG: 1037, 1251, 1768, 2339, 2768, 3181, 3302, 4131, 4164, 4471
RECEPTORS, ESTROGEN: 8, 119, 172, 494,

498, 509, 633, 666–667, 888, 1000, 1116, 1119, 1131, 1313, 1431, 1453, 1545, 1688, 1828, 1857, 1922, 1947–1948, 1973, 1993, 2147, 2165, 2250, 2320, 2374, 2582, 2724, 2990, 3206, 3237, 3306, 3319, 3598, 3838, 4049, 4111, 4150, 4165, 4283, 4308
RECEPTORS, GLUCOCORTICOID: 522, 657, 898, 2344, 2749, 3065, 3563, 3725, 3741, 3826–3827, 4053, 4170, 4309
RECEPTORS, HISTAMINE: 559, 1390, 1461, 3170, 3802
RECEPTORS, HISTAMINE H1: 1390, 3170
RECEPTORS, HISTAMINE H2: 559, 578, 1390, 2349, 3170
RECEPTORS, HORMONE: 252, 296, 387, 606, 612, 733, 770, 806, 819, 876, 1040, 1081, 1232, 1251, 1256, 1288, 1305, 1345, 1407, 1600, 1858, 2012, 2136, 2171, 2179, 2307, 2417, 2493, 2647, 2766, 2930, 3090, 3215, 3237, 3272, 3287, 3301, 3414, 3429, 3497, 3549, 3585, 3606, 3625, 3677, 3721, 3851, 3897, 4165, 4239, 4339, 4356, 4522
RECEPTORS, INSULIN: 252, 1549, 1558, 2533, 3497
RECEPTORS, MUSCARINIC: 2248, 2319, 2427, 2458, 3276, 3696
RECEPTORS, NARCOTIC: 460, 843, 881, 1235, 1250, 1446, 1474, 1505, 1706, 1791, 2177, 2282, 2356, 2409, 2607, 3489, 4233
RECEPTORS, NICOTINIC: 3696, 3709
RECEPTORS, PROGESTERONE: 119, 462, 1131, 1389, 1804, 1947–1948, 2250, 2320, 2344, 2411, 2582, 3237, 3512, 3537, 3600, 3616, 3776, 3838, 3928–3929, 4014, 4216, 4257, 4309
RECEPTORS, PROSTAGLANDIN: 2417, 2622, 3549
RECEPTORS, SENSORY: 431, 913, 951
RECEPTORS, SEROTONIN: 380–381, 542, 562, 861, 1094, 1214, 1359, 1390, 1776, 2003, 2720, 2744, 2841–2842, 3076, 3623, 4186, 4208, 4359, 4394
RECEPTORS, STEROID: 657, 1293, 1422, 1804, 2344, 2713, 2749, 2877, 3065, 3433, 3563, 3598, 3724, 3741, 3826–3827, 3850, 4053, 4309
RECOMBINATION, GENETIC: 807, 3288, 4345
RECTAL NEOPLASMS: 1886, 2813, 3496
RECTUM: 217, 3692, 4042, 4211
RECURRENCE: 6, 303, 499, 501, 577, 622, 630, 643, 752, 967, 1019, 1093, 1274, 1611, 1714, 1800, 1805, 2038–2039, 2785, 2827, 3087, 3224, 3367, 3640, 3645, 3966, 3992, 4331, 4419
RECURRENT LARYNGEAL NERVE: 4048, 4221
REFERENCE STANDARDS: 1379, 1785, 2726, 3457
REFERRAL AND CONSULTATION: 1543
REFLEX: 513, 710, 843, 913, 1679, 1807, 2313, 2722, 3503, 4060
REFLEX, ABNORMAL: 1353, 3029
REFLEX, PUPILLARY: 2438, 4169
REFRACTORY PERIOD, NEUROLOGIC: 4381
REFRIGERATION: 1947
REGENERATION: 213, 3028, 3085, 4120
REGIONAL BLOOD FLOW: 114, 174, 258, 517, 650, 1090–1092, 1172, 1188, 1284, 1676, 1687, 1699, 2928, 2979, 3056, 3117, 3179, 3268, 3704, 3731, 3832, 3913, 4054, 4236, 4276, 4280
REGISTRIES: 1171
REGRESSION ANALYSIS: 814, 1959, 3059, 3317
REIMPLANTATION: 3446
REINDEER: 811
REINFORCEMENT (PSYCHOLOGY): 780, 1410, 4318
RELAXIN: 940, 3535, 4288
REMISSION: 86, 220, 375, 539, 628, 630, 665, 671, 693, 961, 1012, 1144, 1299, 1346, 1513, 1529, 1543, 1643, 1735, 1835, 2007, 2038, 2532, 2572, 2584, 2728, 2990, 2999, 3082, 3087, 3092, 3147, 3198, 3267, 3406, 3717, 3887, 3979, 3990, 3992, 4042, 4252, 4510
RENAL ARTERY: 547, 1189, 1603, 2777, 2830, 4404
RENAL ARTERY OBSTRUCTION: 41, 3278
RENAL ARTERY STENOSIS: 129, 1411, 1745, 3278
RENAL OSTEODYSTROPHY: 437, 478, 603, 682, 1154, 1830, 2835, 2843, 3297
RENAL VEINS: 2777, 2830, 2896, 3086, 3096
RENIN: 129, 134, 180, 217, 231, 291, 326, 328, 413, 438, 461, 499, 552, 556, 580–581, 683, 703, 721, 751–752, 786, 828, 835, 891, 913, 995, 1024, 1061, 1097, 1105, 1123, 1172, 1181, 1203, 1240, 1331, 1358, 1374, 1405, 1411, 1433, 1463, 1471, 1477, 1528, 1542, 1602, 1638, 1687, 1694, 1722–1723, 1739, 1757, 1764, 1792, 1998, 2005, 2063, 2089, 2192–2193, 2215–2216, 2224, 2313–2314, 2321–2322, 2428, 2520, 2614, 2638, 2663, 2687, 2693, 2773, 2792, 2828–2830, 2871, 2922, 2927–2928, 2934, 3005, 3017–3018, 3059, 3073, 3093, 3096, 3129, 3211, 3219, 3278, 3281, 3369, 3387, 3442, 3508, 3519, 3521, 3541, 3562, 3642, 3752, 3800, 3846, 3871, 3879, 3882, 3890, 3931, 3982, 3988, 4001, 4054, 4075, 4086, 4090, 4107, 4134, 4183, 4239, 4275–4276, 4345, 4481, 4518, 4520
REPRODUCTION: 544, 715, 718, 807, 1007, 1485, 1651, 1900, 2241, 2593, 2848, 3138, 3204, 3231, 3424, 3636, 3960, 4083, 4114, 4215, 4450, 4504
REPTILES: 423
RESEARCH: 16, 777–778, 838, 1907, 4330
RESEARCH DESIGN: 2430, 3237, 3860, 4135
RESERPINE: 205, 333, 774, 805, 881, 976, 1177, 1536, 1553, 2021, 2130, 2214, 2568, 2702, 2745, 2753, 2854, 2870, 3089, 3233, 3254, 3271, 3426, 3602, 3686, 3884
RESINS: 91
RESORCINOLS: 1294, 1976, 2444, 4256
RESPIRATION: 76, 599, 2011, 2130, 2224, 2700, 3036, 3182, 3290, 3830, 3902
RESPIRATION, ARTIFICIAL: 1349, 4537
RESPIRATORS: 793
RESPIRATORY CENTER: 599
RESPIRATORY DISTRESS SYNDROME: 19, 85, 192, 447, 1322, 1787, 2711, 2933, 3942, 3998
RESPIRATORY DISTRESS SYNDROME, ADULT: 1349
RESPIRATORY FUNCTION TESTS: 307, 785, 1434, 1460
RESPIRATORY INSUFFICIENCY: 229, 4221
RESPIRATORY SYSTEM: 1007, 3636
RESPIRATORY THERAPY: 2944, 4360
RESPIRATORY TRACT DISEASES: 1434, 2616, 4536
RESPIRATORY TRACT INFECTIONS: 229
REST: 1404, 3059
RESTRAINT, PHYSICAL: 90, 227, 477, 1269
RESUSCITATION: 1373
RETE TESTIS: 1663
RETENTION (PSYCHOLOGY): 1727, 4153
RETICULAR FORMATION: 21, 431, 757, 985, 1249, 1474, 1682
RETICULOCYTES: 640, 1866, 4387
RETICULOENDOTHELIAL SYSTEM: 1928, 2268
RETINA: 54, 404, 493, 674, 758, 1130, 2240, 2245, 2438, 3119
RETINAL DEGENERATION: 3019
RETINAL DETACHMENT: 3007
RETINAL DISEASES: 1437, 2581, 3007, 3379
RETINAL PIGMENTS: 2071
RETINAL VEIN: 794
RETINAL VESSELS: 534, 582, 650
RETINITIS PIGMENTOSA: 3561
RETINOBLASTOMA: 1210
RETROPERITONEAL FIBROSIS: 4220
RETROPERITONEAL NEOPLASMS: 597, 1194, 4527
RETROPERITONEAL SPACE: 1194, 1417, 4525
RETROPNEUMOPERITONEUM: 400, 3543
RETROSPECTIVE STUDIES: 2, 12, 192, 304, 597, 747, 929, 1016, 1173, 1973, 2098, 3164, 3208, 3413, 4475
REVERSAL LEARNING: 1533, 1727
REWARD: 1727
RH-HR BLOOD-GROUP SYSTEM: 429, 753
RHABDOMYOMA: 2606
RHABDOMYOSARCOMA: 2097
RHABDOVIRUSES: 237
RHEOLOGY: 411
RHESUS MONKEYS: 57, 159, 237, 263, 268, 475, 504, 565, 613, 1054, 1131, 1140, 1218, 1259, 1663, 1724, 2126, 2456, 2612, 2629, 2631, 2633, 2986, 3043, 3156, 3474, 3602, 3666, 4233, 4329, 4340, 4474
RHEUMATIC HEART DISEASE: 3556, 3966
RHEUMATISM: 1437, 2024, 2341, 3025
RHEUMATOID FACTOR: 89, 731, 3209, 3356, 4417
RHINOVIRUSES: 1575
RHIZOBIUM: 4087
RHODOPSIN: 2071
RHYTHM METHOD: 376, 3062, 3131
RIB FRACTURES: 702
RIBAVIRIN: 1836
RIBOFLAVIN: 83, 3930
RIBONUCLEASE: 746, 892, 1888, 3929, 3933
RIBONUCLEOPROTEINS: 1015
RIBONUCLEOTIDES: 2084, 2139, 3301
RIBOSE: 266
RIBOSOMES: 626, 1468, 3933
RIBS: 544, 3245
RICIN: 2492
RICKETS: 208, 488, 1252, 1523, 1656, 1963, 1980, 2084, 2657, 2701, 2919, 3077, 3398, 3631, 3792, 4266
RICKETS, VITAMIN D RESISTANT: 1319, 3352
RIFAMYCINS: 4014
RISK: 80, 116, 158, 288, 446, 673, 1308, 1328, 1620, 1700, 1853, 2109, 2200, 2266, 2500, 2611, 2778, 2849, 3054, 3248, 3406, 3520, 3940, 3945, 4013, 4214, 4219, 4492, 4511, 4521, 4532
RISTOCETIN: 4320
RITODRINE: 2192, 2933
RNA: 169, 241, 360, 606, 788, 1238, 1302, 1332, 1811, 1942, 2004, 2015, 2084, 2128, 2139, 2589, 2621, 3065, 3119, 3534, 3537, 3603, 3695, 3724, 3824, 3838, 3858, 4045, 4165, 4175, 4191, 4258
RNA, BACTERIAL: 1348
RNA, HETEROGENEOUS NUCLEAR: 3347
RNA, MESSENGER: 170, 261, 510, 626, 640, 1081, 1271, 1348, 1635, 1772, 1885, 2276, 2354, 3024, 3311, 3347, 3491, 3537, 3557, 3621, 4447
RNA, NEOPLASM: 1081, 1885
RNA POLYMERASE I: 1081
RNA POLYMERASE II: 888
RNA POLYMERASES: 1332, 3480, 3537, 3776
RNA, TRANSFER: 1888
RNA, VIRAL: 4116
RODENT DISEASES: 838, 1555
RODENTS: 538, 1197, 1293, 2413, 2609, 3185, 3904, 4244
RODS AND CONES: 2071, 2240
ROSANILINE DYES: 2704
ROSETTE FORMATION: 220, 359, 377, 432, 731, 1231, 3826
ROTATION: 1514
RUBELLA: 3486
RUBELLA VACCINE: 3486
RUBELLA VIRUS: 3486
RUBIDIUM: 349, 3896
RUBINSTEIN-TAYBI SYNDROME: 2996
RUNNING: 71
RUPTURE, SPONTANEOUS: 3786
RURAL POPULATION: 2709
RUTHENIUM: 535–536, 1935, 2802, 3737
RUTHENIUM RED: 535–536, 1935, 2802, 3737, 3891
RUTIN: 1903

S

SACCHAROMYCES: 107
SACCHAROMYCES CEREVISIAE: 3954
SACROILIAC JOINT: 2176
SAFETY: 2484, 4500
SALAMANDERS: 213
SALICYLATES: 3277, 4510
SALICYLAZOSULFAPYRIDINE: 967, 1986, 4042
SALICYLIC ACIDS: 1268, 2229
SALINE SOLUTION, HYPERTONIC: 3583, 3847
SALIVA: 586, 1006, 2002, 2457, 3051, 3100
SALIVARY GLAND NEOPLASMS: 925
SALIVARY GLANDS: 567
SALIVATION: 3051, 3198
SALMON: 1736, 1934, 4155
SALMONELLA: 2732, 4144
SALMONELLA ENTERITIDIS: 1550
SALMONELLA TYPHI: 1673, 2605
SALMONELLA TYPHIMURIUM: 432, 1141, 2732
SALMONIDAE: 638
SALPINGITIS: 987, 3591, 4469

SALSOLINE ALKALOIDS: 2947
SALTS: 657, 4308
SARALASIN: 129, 326, 350, 499, 1358, 2322, 2614, 2663, 3211, 3583, 3585, 4075, 4239
SARCOIDOSIS: 1750, 2259, 2616, 2685, 2808, 2859, 3862, 4200
SARCOLEMMA: 135, 351, 636, 901, 1531, 2209, 3634, 3789
SARCOMA: 630, 3475, 4068, 4285
SARCOMA, EWING'S: 3123
SARCOMA, EXPERIMENTAL: 4346
SARCOMA, OSTEOGENIC: 1833, 2118, 3161
SARCOMA, RETICULUM CELL: 320, 539, 832, 1012, 1144, 1346, 1529, 1931, 2301, 2370, 3111, 3123, 3161, 3952
SARCOPLASMIC RETICULUM: 287, 351, 2758, 3453, 3660, 3719, 3868, 3873, 3881, 4093, 4154, 4172, 4468
SATIATION: 1410
SCALP: 136, 1227
SCATTERING, RADIATION: 137
SCHIFF BASES: 3081
SCHISTOSOMA JAPONICUM: 3003
SCHISTOSOMA MANSONI: 594, 3003
SCHISTOSOMIASIS: 594, 1671, 3862
SCHISTOSOMICIDES: 594, 3003
SCHIZOPHRENIA: 16, 314, 422, 730, 957, 1427, 1682, 2232, 2552, 3089, 3366, 3804, 4135, 4146, 4169, 4491
SCHIZOPHRENIC PSYCHOLOGY: 4169
SCHOOL ADMISSION CRITERIA: 3670
SCIATIC NERVE: 1482
SCIATICA: 2407
SCINTILLATION COUNTING: 145
SCLERA: 3619, 3665
SCLERODERMA, SYSTEMIC: 609, 1916, 2089, 2238, 3209
SCOLIOSIS: 1753, 3290, 4354
SCOPOLAMINE: 102
SCROTUM: 699, 1041, 1825
SEA ANEMONES: 76
SEA URCHINS: 186, 2082, 2149, 4020, 4383
SEASONS: 153, 391, 414, 512, 935, 1197, 1226, 1247, 1307, 1630, 1640, 2270, 2560, 2957, 3050, 3165, 3224, 3336, 3473, 3735, 3991, 4188, 4332, 4392
SEAWEED: 2643
SEBACEOUS GLANDS: 1095
SEBORRHEA: 2238, 3337, 4458
SECRETIN: 387, 1256, 3964
SECRETORY RATE: 298, 321, 795, 976, 1172, 1530, 1590, 1592, 2317, 2457, 2609, 2620, 2629, 2862, 3471, 3570, 3936, 4090, 4299
SEEDS: 4068, 4416
SELENIUM: 3707
SELENOMETHIONINE: 765
SELF ADMINISTRATION: 822
SELF STIMULATION: 109, 757, 1410, 1633, 2368, 4318
SELLA TURCICA: 533, 717, 1152, 1320, 1612, 1720, 2470, 2730, 3000, 3162, 3247, 4177
SEMEN: 2055, 2079, 2107–2108, 2460, 2529, 2804, 3163, 3282, 3326, 3648, 4178, 4484
SEMEN PRESERVATION: 2460
SEMICARBAZONES: 2939
SEMILUNAR CARTILAGES: 2834
SEMINAL VESICLES: 294, 470, 511, 616, 1095, 1429, 1808, 2531, 2571, 2769, 2804, 2846, 3013, 3085, 3516, 3621, 4142
SEMINIFEROUS EPITHELIUM: 1663, 3533, 4484
SEMINIFEROUS TUBULES: 14, 235, 339, 452, 1663, 1802, 1843, 2610, 3028, 3533, 4079
SEMUSTINE: 4237
SENNA: 3154
SENSATION: 789
SENSORY THRESHOLDS: 843, 3022
SEPHAROSE: 1245, 2693, 4014
SEPTAL NUCLEI: 1224, 1228, 1249, 2116, 3700
SEPTICEMIA: 1550, 1839, 2976
SEPTUM PELLUCIDUM: 21, 771, 1212, 1366
SERINE: 1565
SERINE DEHYDRATASE: 1565
SEROTONIN: 16, 22, 30, 35, 40, 60–61, 77, 94, 102, 113, 136–137, 190, 205, 265, 292, 314, 319, 333–334, 350, 353, 356, 380–381, 404, 422, 513, 542–543, 562, 568, 575, 599, 638, 700, 710, 713, 719–720, 722–724, 726, 771, 774, 791, 805, 822, 830, 839, 858, 861, 882, 905, 951, 976, 982–983, 1083, 1094, 1108, 1136, 1159, 1169, 1214, 1216, 1225, 1228, 1242–1243, 1248, 1273, 1287, 1292, 1354–1355, 1359, 1376, 1387, 1413, 1462, 1473, 1495, 1506–1507, 1519, 1539, 1550, 1554, 1570–1571, 1773–1774, 1776, 1793, 1803, 1816, 1837, 1883, 1957, 1974, 2003, 2047, 2124, 2128, 2130, 2197, 2246–2248, 2288, 2332, 2352, 2399, 2420, 2489, 2498, 2508, 2515, 2560, 2562, 2567, 2635, 2650–2651, 2702, 2720, 2722–2723, 2734, 2744, 2746, 2753, 2812, 2840–2842, 2854, 2881, 2899, 2947–2948, 2969, 2974, 2976, 2988, 2992, 3027, 3043, 3048, 3076, 3089, 3113, 3160, 3182, 3196, 3229–3230, 3254, 3262, 3292, 3303, 3307, 3310, 3378, 3428, 3470, 3500, 3605, 3623, 3626, 3651, 3675, 3686, 3709, 3760, 3770, 3802, 3814, 3820, 3822, 3895, 3923, 4070, 4078, 4110, 4151, 4174, 4186, 4208, 4243, 4246, 4293, 4359, 4372, 4379, 4394, 4417, 4457
SEROTONIN ANTAGONISTS: 79, 136, 333–334, 830, 839, 1215, 2854, 3254, 3310
SEROTYPING: 2732
SERTOLI CELL TUMOR: 2156
SERTOLI CELLS: 339, 695, 1663, 1843, 1848, 2345, 2610, 3331, 3813, 4058, 4217, 4327, 4484
SERUM ALBUMIN: 130, 817, 1085, 1094, 1230, 1287, 1429, 1786–1787, 1856, 1881, 2656, 2868, 3397, 3950
SERUM ALBUMIN, BOVINE: 67, 412, 1850, 2676, 2754, 3825, 3983, 4063
SERUM ALBUMIN, RADIO-IODINATED: 3783
SERUM GLOBULINS: 817, 1631, 1881, 2434, 3901, 4174
SESAME OIL: 2764
SESQUITERPENES: 1294
SEVIN: 519
SEX: 1522, 1692, 3346, 3558, 4143, 4411
SEX BEHAVIOR: 474, 761, 919, 1164, 2027, 2271, 2583, 3236, 3256, 3815, 4027, 4250, 4268, 4300
SEX BEHAVIOR, ANIMAL: 290, 392, 403, 423, 504, 920, 1043, 1050, 1075, 1146, 1225, 1521, 1589, 2285, 3239, 3473, 3755, 3770, 3910, 4332
SEX CHARACTERISTICS: 4459
SEX CHROMATIN: 2587
SEX CHROMOSOME ABNORMALITIES: 654, 741, 852, 1220, 1475–1476, 1987, 2041, 2310, 2403, 2483, 2968, 3150, 3485, 3502, 3678, 3699, 4067, 4375, 4445
SEX CHROMOSOMES: 176, 181, 385–386, 538, 614, 631, 718, 745, 787, 911, 1253, 1370, 1456, 1464, 1681, 1705, 1886, 2174, 2310, 2382, 2959, 3217, 3288, 3502, 3710, 3785, 4041, 4062, 4076, 4173, 4228, 4306, 4452
SEX DETERMINATION: 385, 807, 2236, 2959, 4228, 4451
SEX DEVIATION: 2027
SEX DIFFERENTIATION: 403, 920, 1347, 1407, 1704, 1848–1849, 2271, 3449, 4115, 4228, 4267, 4356
SEX DIFFERENTIATION DISORDERS: 385, 423, 1704, 2968, 3411, 3678, 3729, 3756, 4027
SEX DISORDERS: 1844, 2576, 3236, 3476, 3674, 3726
SEX EDUCATION: 2218, 4027
SEX FACTORS: 84, 110, 196, 329, 385, 417, 567, 697, 708, 762, 976, 1169, 1184, 1301, 1415, 1496, 1616, 1717, 1823, 1847, 1900, 1955, 1984, 2041, 2110, 2169, 2493, 2529, 2537, 2554, 2583, 2611, 2638, 2831, 2862, 3027, 3044, 3140, 3277, 3329, 3345, 3386, 3402, 3449, 3486, 3555, 3663, 3849, 3948, 3961, 3995, 4030, 4086, 4132, 4150, 4297, 4357, 4405, 4483
SEX HORMONE BINDING GLOBULIN: 15, 1279, 1818, 2345, 3807, 4248, 4250
SEX HORMONES: 81, 101, 367, 423, 819, 836, 846, 919, 978, 1081, 1142, 1209, 1485, 1681, 1692, 1849, 1954, 1966, 2013, 2026, 2055, 2100, 2106, 2114, 2354, 2686, 2706, 2785, 2793, 2799, 2881, 2981, 3101, 3201, 3332, 3402, 3449, 3504, 3531–3532, 3770, 4009, 4115, 4165, 4213, 4356, 4450
SEX MATURATION: 72, 170, 715, 1021–1022, 1344, 1480, 1640, 1808, 1929, 2081, 2198, 2233, 2506, 2889, 3199, 3201, 3207, 3299, 3344, 3472, 3606, 3813, 3904, 3962, 3972, 4027, 4348, 4459
SEX OFFENSES: 2583
SEX REVERSAL, GONADAL: 508, 1195, 3673, 3785, 3815
SEZARY SYNDROME: 759
SHARKS: 70, 749
SHEEP: 3, 18, 183, 223–224, 286, 296, 436, 450, 624, 679, 706, 960, 1046, 1050, 1055, 1075, 1213, 1236, 1326, 1530, 1566, 1785, 1809, 1957, 2187, 2202, 2213, 2390, 2415, 2423, 2425, 2502, 2545, 2588, 2633–2634, 2666, 2784, 2821, 2857, 2931, 2960, 2976, 3193, 3234–3235, 3265, 3314, 3384, 3473, 3490, 3601, 3618, 3660, 3838, 3902, 3938, 3947, 4030, 4062, 4137, 4204, 4265, 4317, 4320, 4407
SHEEP DISEASES: 2213, 2415, 3938
SHIVERING: 200, 1330
SHOCK: 2268, 4537
SHOCK, CARDIOGENIC: 2726, 3159
SHOCK, HEMORRHAGIC: 1091–1092, 2387, 3339
SHOCK, SEPTIC: 681, 1103, 1217, 1673, 2746, 3498, 4314
SHOCK THERAPY, ELECTRIC: 2552
SHOCK, TRAUMATIC: 963, 3718
SHOES: 3305
SHOULDER: 3123, 4126
SHOULDER JOINT: 2977
SHREWS: 1540, 2745
SHWARTZMAN PHENOMENON: 1550
SIALIC ACIDS: 1784, 1798, 2492, 3903
SIDEROSIS: 306
SIGMOID: 2155
SIGMOID NEOPLASMS: 4525
SILICIC ACID: 47, 1392
SILICONE ELASTOMERS: 738, 767, 883, 2762
SILICONES: 2133, 4195
SILKWORMS: 3412
SILVER: 3188
SIMAZINE: 3373
SINOATRIAL NODE: 735, 1748, 3102
SITOSTEROLS: 1438, 4069
SJOGREN'S SYNDROME: 1437, 2445
SKIN: 167, 199, 463, 492, 567, 643, 969, 1173, 1186, 1263, 1268, 1385, 1552, 1599, 1624, 1765, 1777, 1916, 2483, 2574, 2674, 2734, 2738, 3010, 3045, 3152, 3337, 3395, 4111, 4195, 4203, 4362, 4415, 4448
SKIN ABSORPTION: 167, 2086, 4325
SKIN APPENDAGE DISEASES: 1599
SKIN DISEASES: 643, 874, 1403, 1456, 1777, 3328, 3337, 3662, 3769, 4459
SKIN MANIFESTATIONS: 1616, 1647, 1827, 2194
SKIN NEOPLASMS: 311, 1173, 1745, 1958, 2097, 2370, 2674, 3520, 3973, 4382, 4448, 4508
SKIN PIGMENTATION: 2738
SKIN TEMPERATURE: 743, 1427
SKIN TESTS: 1434, 1588, 2543, 2808, 3529
SKINFOLD THICKNESS: 150, 199, 446, 3713
SKULL: 85, 419, 478, 972, 1241, 2273, 2730, 2913, 3670, 4177
SKULL FRACTURES: 1605, 2925
SLEEP: 404, 1907, 1937, 3653–3654, 4024, 4026
SLEEP DEPRIVATION: 1, 1163, 2966, 3100
SLEEP DISORDERS: 671
SLEEP, REM: 404, 2095, 2966, 4024
SLEEP STAGES: 1643, 1730, 4024
SLOW-REACTING SUBSTANCES: 775, 1507, 2975, 3547
SMOKING: 278, 571, 814, 1823, 2529, 2736, 3027, 3095, 3995, 4305, 4323
SNAILS: 922, 3867
SNAKES: 3752, 4264
SOCIAL ADJUSTMENT: 886
SOCIAL BEHAVIOR: 2271
SOCIAL BEHAVIOR DISORDERS: 2544, 3572
SOCIAL CLASS: 376, 2858
SOCIAL ISOLATION: 2405
SOCIETIES, MEDICAL: 4489, 4491, 4530–4531, 4536
SOCIOECONOMIC FACTORS: 446, 3062
SODIUM: 76, 145, 156, 216, 310, 455, 528, 532, 556, 581, 624, 636, 683, 728, 752, 897, 1037, 1055, 1123, 1187, 1189, 1433, 1439, 1494, 1584, 1613, 1689, 1748, 1879, 1897, 1924, 1995, 2074, 2161–2162, 2193, 2215–2216, 2321, 2335, 2389, 2477, 2588, 2644, 2687, 2698, 2764, 2828–2829, 2851, 2871, 2922, 2951, 3003, 3005, 3041–3042, 3088, 3125, 3161, 3168, 3174, 3178–3180, 3184, 3219, 3259, 3294, 3322, 3387–3388, 3391, 3585, 3607, 3638, 3709, 3718, 3735, 3753, 3779, 3812, 3846, 3871, 3944, 3982, 4001, 4037, 4183, 4189, 4239, 4241, 4275–4276, 4342, 4351
SODIUM CHLORIDE: 180, 441, 1722, 1778, 1998, 2207, 3219, 3442, 3544, 3584, 3610, 3811,

4023, 4183, 4355
SODIUM ETIDRONATE: 407, 3837, 4402
SODIUM FLUORIDE: 69, 1087, 1143
SODIUM IODIDE: 4355
SODIUM NITRITE: 155
SODIUM SALICYLATE: 292, 1628, 2397
SOFT TISSUE NEOPLASMS: 630, 2097
SOIL: 4436
SOLUBILITY: 14, 1245, 1466, 1514, 1668, 1789, 2086, 2253, 2269, 2373, 2495, 2533, 3186, 3260, 3396, 3484, 3509, 3660, 4030, 4417
SOLUTIONS: 3348, 4364
SOLVENTS: 802, 804, 1392, 4256
SOMATOMEDIN: 149–150, 345, 1913, 1920, 1939, 2775, 3220, 3314, 3702, 4130
SOMATOTROPIN: 1, 23, 33, 54–55, 100, 149–150, 221, 252, 321, 440, 489, 516, 540, 574, 644, 650, 730, 733, 781, 800, 854, 864, 934, 976, 989, 1002, 1057, 1077, 1101, 1191, 1212, 1276, 1312, 1322, 1357, 1483–1484, 1535–1537, 1558, 1563, 1582, 1612, 1914, 1942, 1954, 1961, 2013, 2175, 2255, 2317, 2325, 2381, 2425, 2447, 2459, 2485, 2523, 2534–2535, 2661–2662, 2672, 2705, 2731, 2767, 2775, 2785, 2790, 2938, 2970, 2979–2980, 3009, 3061, 3220, 3488, 3541, 3550, 3691, 3695, 3702, 3708, 3744, 3771, 3860, 3887, 3919–3920, 3924, 3933, 3936, 3964, 3977, 4024, 4070, 4109, 4125, 4129–4130, 4186–4187, 4213, 4326, 4357, 4420–4421, 4534
SOMATOTROPIN RELEASE INHIBITING HORMONE: 5, 397, 956, 958, 984, 1077, 1357, 1440, 1912, 2179, 2226, 2425, 2562, 2775–2776, 3097, 3744, 4109, 4273
SOMATOTROPIN RELEASING HORMONE: 1912, 3127
SOMATOTYPES: 836, 4115
SOY BEANS: 1979, 4416
SPACE FLIGHT: 1269, 3119, 3465
SPASM: 244
SPECIES SPECIFICITY: 84, 222, 268, 273, 342, 394, 402, 538, 673, 807, 890, 905, 1165, 1230, 1236, 1242, 1379, 1504, 1597, 1736, 1804, 1848, 1888, 1905, 2211, 2213, 2389, 2491, 2493, 2520, 2607, 2987, 3113, 3124, 3228, 3448, 3557, 3608, 3698, 3736, 3873, 4052, 4144, 4244, 4320, 4383, 4405
SPECIFIC GRAVITY: 796
SPECIMEN HANDLING: 1947–1948, 2724, 4047
SPECTROMETRY, FLUORESCENCE: 684, 858, 902, 1292, 1646, 2516, 2945, 3489, 4093, 4256, 4310, 4471
SPECTROMETRY, GAMMA: 3409
SPECTROPHOTOMETRY: 1819, 2351, 2757, 3588, 3676, 3939, 4132, 4471
SPECTROPHOTOMETRY, INFRARED: 698, 2148, 2296, 2733, 2853, 3444, 4029
SPECTROPHOTOMETRY, ULTRAVIOLET: 43, 1062, 2318, 2444, 3535, 4063, 4132
SPECTRUM ANALYSIS: 71, 137, 2669, 3816
SPECTRUM ANALYSIS, MASS: 127, 271, 405, 492, 1391, 2444, 2689, 2950, 3592–3595, 3874, 4029, 4344, 4377
SPECTRUM ANALYSIS, RAMAN: 3052
SPEECH: 2669
SPEECH DISORDERS: 4067
SPEECH PERCEPTION: 4169
SPERM CAPACITATION: 541
SPERM MOTILITY: 57, 1729, 2205, 2241, 2460, 2601, 3326, 3816
SPERM TRANSPORT: 2241, 3910
SPERMATIC CORD: 2262
SPERMATIC CORD TORSION: 226, 2703, 2884, 4365
SPERMATIDS: 56, 2139, 3974, 4217, 4484
SPERMATOCYTES: 56, 3331, 3974, 4217
SPERMATOGENESIS: 57, 339, 694, 820, 1630, 1651, 1806, 1808, 1834, 2120, 2205, 2527, 2772, 2823, 3085, 3126, 3157, 3299, 3326, 3331, 3473, 3476, 3533, 3941, 3956, 3958, 3974, 4217, 4228, 4267, 4282, 4455, 4484
SPERMATOGONIA: 176, 1527, 1952, 3085, 3331, 3533, 3880
SPERMATOZOA: 3, 56–57, 176, 235, 465, 541, 808, 986, 1663, 1729, 1952, 2055, 2079, 2120, 2205, 2241, 2460, 2466, 2804, 3163, 3424, 3433, 3473, 3533, 3648, 3880, 3941, 3956, 3974, 4104, 4178, 4204, 4217, 4228, 4484
SPERMIDINE: 3827
SPERMINE: 261, 3260
SPHENOID BONE: 4437
SPHENOID SINUS: 565, 2311, 2880
SPHINGOLIPIDS: 1065
SPHINGOMYELIN PHOSPHODIESTERASE: 496
SPHINGOMYELINS: 289, 447, 1873, 2082, 2711
SPIN LABELS: 2061
SPINA BIFIDA: 1956, 3290, 4289
SPINAL CANAL: 343, 1303
SPINAL CORD: 191, 200, 431, 710, 830, 1225, 1462, 1571, 2153, 3233, 3493, 3970, 4394
SPINAL CORD COMPRESSION: 343, 1303, 3123
SPINAL CORD DISEASES: 3493
SPINAL CORD INJURIES: 191, 550, 999, 1895, 3233, 4023
SPINAL DISEASES: 2024, 4206
SPINAL INJURIES: 1968
SPINAL NEOPLASMS: 1303, 3123
SPINAL NERVE ROOTS: 943
SPINE: 343
SPINOTHALAMIC TRACTS: 431
SPIPERONE: 1244, 2129
SPIRONOLACTONE: 211, 216, 291, 310, 405, 555, 752, 1304, 1481, 1613, 1792, 1905, 2327, 2373, 2389, 2510, 2860, 3281, 3442, 3519, 4002, 4361
SPLEEN: 257, 286, 323, 327, 482, 522, 525, 681, 1332, 1710, 2265, 2570, 2625, 2808, 3582, 3703, 3970, 4056, 4096, 4112, 4400, 4465
SPLENECTOMY: 27, 256–257, 1343, 1510, 2357, 2808
SPLENIC VEIN: 3786
SPLENOMEGALY: 2808
SPORES, BACTERIAL: 1644, 3581
SPORT MEDICINE: 2014
SPORTS: 2014
SPREADING CORTICAL DEPRESSION: 1248
SPRUE: 2363
SPUTUM: 3624
SQ 20881: 552, 1358, 2322, 3585, 4134
SQUALENE: 107
SQUID: 1576, 3258–3259, 3566
SQUIRREL MONKEYS: 2247–2248, 2248, 3448
SQUIRRELS: 3050
SRS-A: 1032, 1628, 3547
STAINS AND STAINING: 197, 639, 695, 815–816, 921, 1608, 1963, 2087, 2468, 2704, 2937, 3767, 3951
STANOLONE: 15, 51, 508, 548–549, 773, 825, 1050, 1095, 1164, 1393, 1407, 1422, 1501, 1962, 2297, 2506, 2540, 2557, 2706, 2804, 2877, 3013, 3061, 3201–3202, 3368, 3548, 3612, 3724, 3770, 3969, 3974, 4142
STAPHYLOCOCCAL INFECTIONS: 96
STAPHYLOCOCCAL PROTEIN A: 2211
STAPHYLOCOCCAL TOXOID: 2579
STAPHYLOCOCCUS: 96
STAPHYLOCOCCUS AUREUS: 496, 3896
STARVATION: 153, 880, 1698, 1942, 2115, 2343, 2870, 3312, 3847, 3922, 3990
STATISTICS: 376, 1479, 1620, 3153, 3713, 4391
STEARIC ACIDS: 113
STEIN-LEVENTHAL SYNDROME: 1884, 2294, 2540, 2640, 3011, 3937
STEREOISOMERS: 1067, 2894, 2929, 3804
STEREOTAXIC TECHNICS: 886, 1564, 2544, 2819, 3006, 4466
STERILITY: 686, 718, 761, 2283, 2591
STERILITY, FEMALE: 161, 207, 304–305, 336, 430, 468, 685, 797, 947, 1278, 1318, 1327, 2049, 2241, 2275, 2466, 2472, 2624, 2665, 3120, 3124, 3145, 3169, 3191, 3336, 3574, 3938, 4083, 4219
STERILITY, MALE: 615, 699, 1459, 1802, 2529, 2678, 2799, 3163, 3282, 3421, 3648, 4059, 4217, 4287
STERILIZATION: 2008, 2762
STERILIZATION, SEXUAL: 2251
STERILIZATION, TUBAL: 304
STEROID-11-HYDROXYLASE: 3588
STEROID-17-HYDROXYLASE: 322, 1133, 1672
STEROID HYDROXYLASES: 215, 1133, 1672, 2110, 2851, 3588, 3678
STEROIDS: 17, 154, 405, 486, 606, 918, 1031, 1051, 1062, 1065, 1112, 1142, 1171, 1295, 1324, 1343, 1426, 1672, 1729, 1781, 1979, 2176, 2244, 2257, 2298, 2324, 2354, 2377, 2452, 2513, 2713, 3053, 3143, 3332, 3411, 3462, 3592, 3662, 3817, 3943, 3963, 4029, 4144, 4509
STEROIDS, HETEROCYCLIC: 4123
STEROLS: 2505, 2784, 3954
STILBENES: 1043
STIMULATION, CHEMICAL: 180, 240, 459, 473, 540, 611, 725, 729, 891, 1312, 1332, 1549, 1566, 1592, 1624, 1889, 1936, 2108, 2244, 2421, 2601, 2620, 2688, 3377, 3385, 3401, 3578, 3615, 3621, 3819, 3982, 3988, 4035, 4109, 4184, 4197–4198, 4207, 4233, 4373
STOMACH: 1758, 2870, 2950, 3113, 3378, 3610, 3694, 3704, 4167
STOMACH DILATATION: 1980
STOMACH DISEASES: 1342, 1733
STOMACH NEOPLASMS: 2097, 2606, 3940, 4171
STOMACH ULCER: 477, 635, 1733, 2886, 3704, 4482
STOMATITIS: 4477
STOMATITIS, APHTHOUS: 1093
STREPTOCOCCAL INFECTIONS: 161, 277
STREPTOCOCCUS: 1492
STREPTOCOCCUS MUTANS: 1492
STREPTOCOCCUS PNEUMONIAE: 432
STREPTOCOCCUS PYOGENES: 1134, 3498
STREPTODORNASE AND STREPTOKINASE: 4438
STREPTOMYCES: 1348
STREPTOMYCIN: 653
STREPTONIGRIN: 1144
STREPTOZOTOCIN: 252, 4181, 4428
STRESS: 1, 90, 162, 282, 449, 475, 477, 771, 871, 1163, 1177, 1269, 1716, 1810, 1907, 2021, 2321, 2375, 2505, 2562, 2745, 2782, 2817, 2897, 2941, 3465, 3633, 3696–3697, 3977, 4073, 4248, 4472
STRESS, MECHANICAL: 742, 815–816, 944, 1111, 1457, 2577, 2875, 2993, 3309
STRESS, PSYCHOLOGICAL: 367, 1594, 2041, 2207, 2213, 2217, 3239, 3572, 4213, 4268
STROKE VOLUME: 2792
STRONGYLOIDIASIS: 3158
STRONTIUM: 448, 3634
STRONTIUM RADIOISOTOPES: 27, 2984
STRUCTURE-ACTIVITY RELATIONSHIP: 67, 184, 203, 287, 341, 362, 387, 485, 498, 633, 700, 819, 842, 898, 953, 965, 1040, 1062, 1119, 1199, 1216, 1390, 1422, 1539, 1600, 1675, 2063, 2282, 2356, 2359, 2361, 2393, 2409, 2417, 2448, 2505, 2519, 2607, 2701, 2707, 2766, 2790, 2894, 2919, 3090–3091, 3179, 3181, 3223, 3302, 3456, 3576, 3593, 3901, 3963, 4094, 4131, 4181, 4253, 4351
STRUMA OVARII: 2157
STRYCHNINE: 1248
SUBARACHNOID SPACE: 2454
SUBCELLULAR FRACTIONS: 215, 233, 241, 322, 535, 626, 674, 722, 805, 877–878, 956, 1068, 1298, 1389, 1692, 1711, 1978, 1983, 2152, 2249, 2253, 2635, 2712, 2893, 3104–3105, 3118, 3603, 3707, 3996, 4124, 4242, 4303
SUBFORNICAL ORGAN: 1037, 3677
SUBLINGUAL GLAND: 2800
SUBMANDIBULAR GLAND: 415, 511, 1405, 1692, 1862, 2911, 3679, 4345
SUBMITOCHONDRIAL PARTICLES: 536, 1468, 2801
SUBSTANCE P: 1650, 1768, 3097, 3262, 3292
SUBSTANTIA GELATINOSA: 431
SUBSTANTIA NIGRA: 726, 881, 2438, 3262
SUBSTRATE SPECIFICITY: 53, 215, 396, 557, 956, 1054, 1089, 1298, 1978, 2261, 2448, 2520, 2911, 3079, 3334
SUCCINATE DEHYDROGENASE: 38, 1869
SUCCINATES: 416, 3659, 3863, 4087
SUCRASE: 1580
SUCROSE: 1584, 4361
SUCTION: 515, 3004
SUDDEN INFANT DEATH: 1353, 1649, 4491
SUDECK'S ATROPHY: 4472
SUGAR ALCOHOL DEHYDROGENASES: 1658
SUGAR ALCOHOLS: 3081
SUGAR PHOSPHATES: 2652
SUGGESTION: 3821
SUICIDE: 265, 3196, 3322, 4528
SULFAMETHOXYPYRIDAZINE: 122
SULFATASES: 2069, 2483
SULFATES: 26, 97, 349, 412, 827, 2162, 2459, 4130, 4407
SULFHYDRYL COMPOUNDS: 581, 1718,

1993, 2170, 3817, 4376
SULFIDES: 932
SULFINPYRAZONE: 791
SULFITE REDUCTASES: 932
SULFITES: 932
SULFONAMIDES: 122, 341, 4061
SULFUR: 777–778
SULFUR RADIOISOTOPES: 2264
SULFURIC ACID ESTERS: 4029
SULFURIC ACIDS: 1065, 1221, 4029
SULFURTRANSFERASES: 97, 1065
SULPIRIDE: 1244, 2317, 2507, 4429
SUNLIGHT: 208, 3224, 3308
SUPERIOR COLLICULUS: 2438
SUPEROVULATION: 169, 4391
SUPEROXIDE: 377, 2988, 3137, 4291
SUPEROXIDE DISMUTASE: 432, 2988, 3646
SUPPOSITORIES: 87
SUPRAOPTIC NUCLEUS: 132, 404, 408, 697, 1443–1444, 2076, 2206, 2413, 2438, 2455, 2592, 4026
SURFACE-ACTIVE AGENTS: 3999
SURFACE PROPERTIES: 944, 1951, 3285
SURGERY: 712
SURGERY, OPERATIVE: 683, 4248
SURGERY, PLASTIC: 501, 978, 3245, 3673
SURGICAL NURSING: 602
SURGICAL WOUND INFECTION: 229, 1038, 1839, 4159
SURGICENTERS: 2695
SUSPENSIONS: 3348, 3817, 3852–3853
SV40 VIRUS: 2879
SWEAT: 786
SWEATING: 2792
SWIMMING: 282
SWINE: 167, 180, 201, 268, 325, 394, 397, 482, 621, 698, 706, 784, 908, 940, 969, 986, 997, 1021–1022, 1158, 1192, 1400, 1455, 1491, 1501–1502, 1558, 1668, 1760, 1785, 1857, 1862, 2002, 2031, 2132, 2337, 2369, 2479, 2520, 2574, 2579, 2692, 2699, 2803, 2906, 2975, 2982, 3026, 3186, 3275, 3321, 3460, 3484, 3601, 3608, 3618, 3646, 3698, 3752, 3840, 3914–3915, 4178, 4228, 4537
SWINE DISEASES: 482, 2982
SYMPATHECTOMY: 713, 982, 1807, 4229
SYMPATHETIC NERVOUS SYSTEM: 55, 408, 519, 963, 976, 1341, 1807, 1859, 1887, 2056, 2645, 2773, 2897, 3059, 3399, 3445, 3694, 3812, 4043, 4439
SYMPATHOLYTICS: 982, 2101, 3694, 4184
SYMPATHOMIMETICS: 23, 546, 651, 952, 982, 1124, 1381, 2101, 3159, 3694–3695, 3802
SYNAPSES: 30, 1408, 1443–1444, 1682, 2534, 2702, 3894, 3986, 4247
SYNAPTIC MEMBRANES: 481, 1214, 2186, 3658, 4247
SYNAPTIC RECEPTORS: 562, 1376, 2535, 2766
SYNAPTIC VESICLES: 3894
SYNAPTOSOMES: 348, 674, 700, 839, 842, 1577, 1887, 2247–2248, 2498, 3229, 3470, 3623, 3822, 4299, 4372
SYNDROME: 32, 46, 50, 85, 100, 108, 149, 272, 293, 328, 343, 419, 428, 502, 507, 567, 643, 654, 772, 867, 945, 1014, 1041, 1196, 1200, 1275, 1287, 1316, 1456, 1484, 2041, 2114–2115, 2310, 2323, 2341, 2399, 2442, 2473, 2577, 2949, 3019, 3049, 3070, 3224, 3254, 3267, 3277, 3283, 3341, 3352, 3376, 3395, 3479, 3502, 3520, 3561, 3652, 3788, 3803, 3805, 3834, 3955, 4018, 4039, 4058, 4085, 4105, 4163, 4177, 4188, 4260, 4435, 4453, 4473
SYNOVIAL MEMBRANE: 1121, 4176
SYNOVITIS: 1134, 3209
SYPHILIS: 4212
SYPHILIS SERODIAGNOSIS: 1647

T

T-2 TOXIN: 1294
TABLETS: 1039, 1466, 1514, 2956, 3298, 3348
TACHYCARDIA: 173, 3102
TAIL: 3088
TALC: 4032
TAMOXIFEN: 899, 1688, 2532, 2989, 3092, 3311, 3907
TAMPONS: 3171
TARTRATES: 3969
TASK PERFORMANCE AND ANALYSIS: 1163
TASTE: 2093, 3431
TASTE BUDS: 1879, 3431, 3760
TAURINE: 3149, 3228
TAUROLITHOCHOLIC ACID: 1496
TEACHING: 1697
TEARS: 1166, 2090, 4290
TECHNETIUM: 45, 147, 275, 765, 1826, 1838, 1896, 1927, 2146, 2347, 2462, 2548, 2910, 2995, 3333, 3684, 4171, 4253, 4402
TECHNOLOGY, PHARMACEUTICAL: 2373, 3852
TECHNOLOGY, RADIOLOGIC: 164, 4535
TEGMENTUM MESENCEPHALI: 21, 1366, 3700
TELANGIECTASIS: 1415
TELEMETRY: 173, 783
TELENCEPHALON: 1984, 2973, 3039, 3388
TELLURIUM: 1927
TEMPERATURE: 109, 154, 193, 391, 430, 514, 621, 777–778, 806, 956, 1175, 1330, 1593, 1875, 1879, 2147, 2423, 2475, 2704, 2757, 2797, 2971, 3182, 3185, 3484, 3661, 3793, 3841, 3891, 3983, 4047, 4335, 4342
TEMPORAL ARTERIES: 28
TEMPORAL ARTERITIS: 28, 867
TEMPORAL BONE: 1115
TENDINITIS: 4126
TENDONS: 2839
TENEBRIO: 1803
TENOSYNOVITIS: 272, 2839
TENSILE STRENGTH: 579
TERATOGENS: 342, 2055, 3678, 3799, 4334
TERATOID TUMOR: 12, 104, 597, 711, 862, 931, 1135, 1621, 2157, 2471, 2822, 3006, 3075, 3177, 3315, 3365, 3392, 3657, 3717, 3751, 4064
TERMINAL CARE: 2346
TESTICULAR DISEASES: 649, 701, 1671, 2721
TESTICULAR FEMINIZATION: 508, 1407, 2178, 2610, 2877, 3464, 3678, 4396, 4487
TESTICULAR HORMONES: 1848, 3066, 3618
TESTICULAR NEOPLASMS: 11–12, 75, 104, 232, 597, 623, 628, 701, 711, 911, 931, 994, 1417, 1621, 1782, 1982, 2117, 2156, 2262, 2721, 2822, 3075, 3123, 3177, 3365, 3413, 3493, 3513, 3525, 3690, 3717, 3751, 3951–3952, 4091, 4289, 4338, 4363, 4489, 4516, 4527
TESTIS: 3, 14, 56–57, 93, 215, 237, 273, 294, 297, 322, 335, 339, 452, 458, 474, 509, 548–549, 573, 615, 694, 699, 747, 819–820, 912, 926, 940, 986, 1045, 1056, 1069, 1180, 1226, 1236, 1271–1272, 1315, 1417, 1421, 1447, 1450, 1459, 1517, 1527, 1555, 1566, 1606, 1609, 1630, 1640, 1658, 1663–1664, 1704, 1709, 1717, 1802, 1805–1806, 1808, 1819, 1825, 1843, 1848–1849, 1873, 1900, 1952, 1982, 2072, 2085, 2108, 2120, 2154, 2205, 2306, 2309, 2388, 2429, 2439, 2460, 2526, 2531, 2553, 2610, 2686, 2772, 2799, 2822–2823, 2846, 2879, 2884, 2930, 2982, 3013, 3028, 3066, 3079, 3081, 3085, 3126, 3140, 3146, 3151, 3157, 3199–3200, 3282, 3299, 3326, 3331, 3340, 3402, 3433, 3458, 3464, 3473, 3485, 3494, 3516, 3555, 3571, 3599, 3688, 3785, 3813, 3880, 3904, 3916, 3925, 3941, 3956, 3958–3960, 4039, 4058–4059, 4076, 4079, 4163, 4203–4204, 4217, 4228, 4234, 4248–4250, 4282, 4287, 4338, 4356, 4365, 4376, 4455, 4464, 4479, 4484, 4487
TESTOSTERONE: 1, 15, 23, 26, 51, 72, 95, 100, 120, 172, 196, 215, 235, 238, 290, 355, 403, 452, 465, 470, 504, 548–549, 566, 573, 612, 616, 694, 730, 773, 825, 847, 916, 1021, 1050, 1058, 1080, 1095, 1110, 1128, 1164, 1264, 1266, 1272, 1274, 1291, 1295, 1315–1316, 1394, 1407, 1421, 1499, 1520–1521, 1535, 1552, 1606, 1630, 1651, 1681, 1692, 1716, 1766, 1808, 1848, 1940, 1962, 2007, 2090, 2106, 2116, 2148, 2156, 2178, 2218, 2234, 2263, 2271, 2297, 2429, 2456, 2506, 2540, 2575–2576, 2640, 2649, 2664, 2674, 2678, 2706, 2745, 2769, 2780, 2799, 2804, 2815, 2845, 2865, 2877, 2879, 2956, 2999, 3013, 3044, 3061, 3074, 3140, 3146, 3157, 3201–3202, 3213, 3236, 3282, 3323, 3326, 3368, 3397, 3411, 3421, 3424, 3433, 3464, 3472–3473, 3476, 3485, 3504, 3549, 3555, 3571, 3577, 3582, 3612, 3663, 3674, 3688, 3724, 3729, 3770, 3807, 3859, 3909, 3916, 3948, 3951, 3957–3960, 3974, 3976, 3991, 4002, 4063, 4065, 4115, 4132, 4143, 4165, 4197, 4248–4250, 4268, 4349, 4405–4406, 4434, 4474
TESTOSTERONE 5-ALPHA-REDUCTASE: 1393, 2640, 3464, 4197
TETANUS ANTITOXIN: 1992
TETANY: 1733, 3154
TETRABENAZINE: 2130
TETRACHLORODIBENZODIOXIN: 402, 2838
TETRACYCLINE: 627, 1514, 2229
TETRACYCLINES: 1668
TETRADECANOYLPHORBOL ACETATE: 1263, 1595, 2303, 4346
TETRAETHYLAMMONIUM COMPOUNDS: 922
TETRAHYDROCANNABINOL: 292
TETRAHYDROCORTISOL: 3053
TETRODOTOXIN: 636, 1748, 3779
THALAMIC NUCLEI: 1366, 1984, 2438, 2899, 3349, 3700
THALAMUS: 1249, 3561, 3774
THALLIUM: 2146
THEBAINE: 2770
THECA CELL TUMOR: 3435
THECA CELLS: 612, 1899, 2931, 3272
THEOBROMINE: 4282
THEOPHYLLINE: 99, 620, 891, 1077, 1124, 1242, 1311, 1421, 2015, 2305, 2337, 2359, 2797, 2907, 3221, 3419, 3534, 3617, 3689, 3806, 3843, 4034, 4044, 4066, 4090, 4109, 4282, 4320, 4448
THERMODYNAMICS: 1199, 2257, 2356
THERMOGRAPHY: 320, 3973
THERMOLUMINESCENT DOSIMETRY: 111, 164, 3197
THETA RHYTHM: 1249
THIABENDAZOLE: 1926
THIAMINE: 83
THIAZINES: 1732
THIAZOLES: 882, 1934, 2453
THIGH: 2462
THIO-TEPA: 3103
THIOACETAMIDE: 3922, 4425
THIOCYANATES: 594, 684, 1008, 1363, 2035, 2048, 2529, 2945, 3052, 3383, 3412, 3660–3661, 3940, 4194, 4424, 4537
THIOGUANINE: 745
THIOPENTAL: 1079, 1373
THIOPHENES: 700, 1460
THIORIDAZINE: 2232, 2876
THIOSULFATES: 932
THIOURACIL: 4222, 4369, 4426
THIOUREA: 151, 399, 578, 1408, 1732, 2190, 2349. 2983, 3223, 3305
THIOXANTHENES: 730
THIRST: 1037, 1123, 1181, 2224, 2647, 3211, 3387–3388, 3846
THORACIC INJURIES: 972, 4536
THORACIC NEOPLASMS: 1135, 2760
THORACIC RADIOGRAPHY: 955, 3556, 4535
THORAX: 2094, 2501, 4536
THORIUM: 3389
THORIUM DIOXIDE: 948, 1928, 2547, 3389
THROMBIN: 723, 971, 1441, 2974, 3296, 3601, 4293
THROMBOCYTOPATHY: 713
THROMBOCYTOSIS: 1488
THROMBOEMBOLISM: 41, 101, 229, 1823, 1960, 4323, 4380
THROMBOPENIA: 243, 661, 1192, 1415, 1456, 1550, 1833, 2154, 2909, 4380
THROMBOPHLEBITIS: 4533
THROMBOSIS: 259, 696, 794, 968, 1286, 1428, 1519, 2654, 2897, 3668, 3732, 4305
THROMBOXANE A2: 492, 1286, 1428–1430, 1684, 2654, 3605, 3732–3733, 4127
THROMBOXANE B2: 2630–2631
THROMBOXANES: 236, 424, 492, 1032, 1137, 1286, 1378–1379, 1391–1392, 1429–1430, 1684, 2476, 2630–2631, 3510
THYMECTOMY: 506, 1801, 2214, 2658, 2672, 3343, 3548, 4156, 4400
THYMIDINE: 155, 1781, 2344, 2459, 3304, 3896, 4130
THYMOMA: 359, 824, 1767, 2301, 2718, 3123, 3269, 3343, 3894, 3935, 4000, 4156
THYMUS GLAND: 251, 359, 396, 522, 770, 898, 1719, 1819, 1977, 2443, 2593, 2604, 2606, 2658, 2879, 3065, 3343, 3553, 3582, 3894, 4000, 4056
THYMUS HYPERPLASIA: 359, 2301, 2593, 2796
THYMUS NEOPLASMS: 359, 824, 1182, 1767, 1931, 2301, 2658, 2718, 3123, 3269, 3343, 3894, 3935, 4000, 4156, 4536
THYROGLOBULIN: 383, 1085, 1760, 1919, 2080, 2355, 2935, 2955, 4071

THYROGLOSSAL CYST: 840, 4315
THYROID ANTAGONISTS: 1442, 1840, 3640, 3836, 4013, 4426
THYROID CRISIS: 1556, 2946, 3579, 4021
THYROID DISEASES: 13, 66, 89, 320, 361, 417, 420, 515, 602, 678, 769, 834, 844, 867, 938, 1086, 1280, 1333, 1511, 1587, 1821, 1826, 1838, 1919, 1944, 1996, 2013, 2044, 2122, 2146, 2163, 2178, 2220, 2267, 2383, 2482, 2521, 2653, 3656, 3715, 3768, 3844, 3899, 4214, 4223, 4278, 4369, 4492
THYROID FUNCTION TESTS: 246, 420, 454, 834, 1155, 1693, 1787, 1826, 2046, 2053, 2073, 3291, 3382, 3611, 3807, 3844, 4114, 4313, 4389
THYROID GLAND: 6, 37, 52, 164, 201, 250, 407, 459, 466, 476, 495, 507, 558, 573, 605, 675, 712, 773, 840, 877–878, 1098, 1186, 1193, 1371, 1442, 1555, 1572, 1582, 1659, 1693, 1740, 1756, 1759–1760, 1770, 1821, 1827, 1838, 1854, 1870, 1878, 1909, 1915, 1927, 2034, 2073, 2093, 2122, 2188, 2206, 2240, 2261, 2375, 2383, 2422, 2449, 2479, 2482, 2511, 2521, 2598, 2620, 2729, 2745, 2768, 2854, 2861, 2866, 2887, 2900, 2954–2955, 2985, 3001, 3026, 3030, 3045, 3066, 3197, 3218, 3241, 3275, 3291, 3382, 3409, 3425, 3457, 3467, 3484, 3503, 3539, 3639, 3649, 3701, 3740, 3767, 3836, 3894, 3914–3915, 4037, 4071–4072, 4089, 4101, 4114, 4119, 4138, 4210, 4214–4215, 4232, 4262, 4313, 4315, 4369, 4389, 4392, 4422, 4447, 4454, 4492, 4526
THYROID GLAND, DESICCATED: 1156, 4112
THYROID HORMONES: 13, 100, 247, 421, 444, 645, 781, 841, 984, 992, 1081, 1098, 1155–1156, 1186, 1193, 1333, 1478, 1712, 1740, 1827, 1975, 2122, 2179, 2188, 2210, 2325, 2482, 2521, 2598, 2702, 2785, 3051, 3314, 3425, 3683, 3702, 3824, 3870, 3993, 4112, 4214, 4366, 4478
THYROID NEOPLASMS: 66, 189, 248, 316, 320, 344, 378, 383, 406, 421, 466, 567, 601, 663, 668, 675, 859, 925, 1030, 1098, 1198, 1262, 1464, 1489, 1610, 1738, 1793, 1824, 1829, 1838, 1860, 1909–1910, 2097, 2113, 2118, 2166, 2267, 2338, 2355, 2416, 2482, 2521, 2566, 2813, 2985, 3225, 3367, 3467, 3475, 3520, 3723, 3749, 3836, 3899, 4057, 4071, 4119, 4223, 4294, 4304, 4463
THYROIDECTOMY: 65, 152–153, 375, 398, 466, 573, 602, 769, 795, 859, 1085, 1114, 1127, 1187, 1386, 1399, 1442, 1464, 1712, 1824, 1934, 2204, 2355, 2367, 2415, 2421, 2690, 2696, 3180, 3266, 3314, 3355, 3386, 3610, 3761, 3878, 3924, 3926, 4048, 4108, 4184, 4221, 4223, 4298
THYROIDITIS: 6, 344, 421, 426, 466, 1098, 1442, 1464, 2267, 2818, 4210
THYROIDITIS, LYMPHOMATOUS: 421, 874, 1098, 1442, 1932, 3921, 4071, 4210, 4422
THYRONINES: 1193, 1567–1568, 1636, 2000, 2045, 2887
THYROTROPIN: 6, 13, 37, 52, 65, 371, 420–421, 605, 608, 640, 668, 795, 812, 819, 841, 854, 863, 872, 962, 1004, 1023, 1057, 1086, 1128, 1155, 1288, 1305, 1320, 1380, 1478, 1489, 1582, 1659, 1693, 1712, 1759, 1789, 1826–1827, 1870, 1878, 1906, 1914, 1961, 2039, 2129, 2158, 2172, 2175, 2179, 2188, 2199, 2210, 2278, 2290, 2317, 2437, 2449, 2461, 2479, 2504, 2507, 2565, 2620, 2662, 2681, 2775, 2818, 2844, 2854, 2900, 2980, 3001, 3218, 3263, 3332, 3351, 3404, 3488, 3503, 3518, 3630, 3701, 3744, 3771, 3783, 3860, 3876, 3914–3915, 3924, 3926, 4012–4013, 4037, 4070, 4072, 4138, 4187, 4262, 4279, 4313, 4326, 4389, 4392
THYROTROPIN RELEASING HORMONE: 52, 65, 371, 639, 1023, 1057, 1086, 1155, 1164, 1212, 1288, 1320, 1414, 1440, 1582, 1678–1679, 1693, 1724, 1826, 1906, 1912, 2107–2108, 2130, 2158, 2175, 2179, 2188, 2199, 2237, 2289, 2461, 2503–2504, 2562, 2612, 2620, 2653, 2662, 2681, 2771, 2894, 2932, 3249, 3488, 3518, 3630, 3633, 3783, 3803, 3946, 4215, 4273, 4326
THYROXINE: 1, 6, 13, 37, 52, 152–153, 260, 364, 420, 471, 483, 495, 608, 781, 788, 795, 841, 958, 980, 1128, 1156, 1193, 1320, 1380, 1478, 1556, 1582, 1645, 1693, 1712, 1740, 1759–1760, 1779, 1787, 1821, 1826, 1831–1832, 1845, 1874, 1906, 1944, 2035, 2039, 2045–2046, 2053, 2073, 2150, 2158, 2164, 2171–2172, 2182, 2199, 2235, 2315, 2437, 2449, 2487, 2542, 2598, 2636–2637, 2644, 2667, 2680, 2690, 2699, 2857, 2940, 2960, 2994, 3088, 3291, 3332, 3376, 3386, 3404, 3407, 3414, 3425, 3436–3437, 3439, 3503, 3516, 3564, 3611, 3630, 3640, 3656, 3675, 3683, 3687, 3701, 3804, 3844, 3884, 3901, 3926, 3978, 3984, 3993, 4012–4013, 4031, 4037, 4072, 4089, 4129–4130, 4138, 4158, 4168, 4213, 4222, 4235, 4278–4279, 4313, 4392, 4467, 4497
THYROXINE BINDING PROTEIN: 153, 361, 583, 810, 1441, 1631, 1740, 1786–1787, 1874, 2046, 2434, 2492, 2994, 3564, 3611, 3901
TIBIA: 357, 503, 692, 1111, 2595, 3358
TIBIAL FRACTURES: 2577, 2743
TICKS: 1707
TIME FACTORS: 5, 18, 31, 37, 40, 77, 120, 126, 175–176, 181, 183, 192, 195, 208, 221, 227, 239, 254, 257–258, 260, 282, 286, 328, 330, 338–339, 348, 369, 371, 393, 426, 462, 477, 481, 504, 519, 526, 539, 578, 584, 587, 603, 607, 620, 666, 670, 682, 723, 725, 729, 736–737, 739, 747, 749, 768, 785, 804, 806, 857, 870, 873, 883, 923–924, 926–927, 933, 956, 958, 961, 991, 994, 1012, 1017, 1024, 1032, 1038, 1053, 1071, 1078–1079, 1101, 1104, 1106, 1128, 1132, 1146, 1153, 1163, 1175, 1186, 1200, 1216, 1227, 1244, 1250, 1254, 1258, 1269, 1291, 1308, 1312, 1324, 1330, 1341, 1367, 1373, 1396, 1410, 1455, 1473, 1483, 1521–1522, 1525–1526, 1529, 1611, 1615, 1632, 1637, 1652, 1679, 1699, 1710, 1735, 1757, 1769, 1861, 1863, 1866, 1915, 1930, 1947, 1973, 1978, 1985, 2001, 2033, 2038, 2093, 2100, 2107, 2109, 2120, 2129, 2134, 2140, 2159, 2175, 2190, 2204, 2213, 2228, 2230, 2241, 2244, 2249, 2260, 2266, 2307, 2329, 2336, 2338, 2345–2346, 2353, 2364, 2367, 2388–2389, 2392, 2398, 2401, 2420, 2422, 2424, 2436, 2453, 2463, 2485, 2502, 2507, 2563, 2567, 2570, 2572, 2598, 2616, 2656, 2695, 2714, 2728, 2735, 2741, 2762–2763, 2765, 2804, 2806, 2809, 2812, 2819, 2863, 2870, 2872, 2892, 2908, 2913, 2921, 2951, 2953, 2960, 2963, 2990, 3003, 3028, 3048, 3051, 3055, 3063, 3085, 3092, 3109, 3111, 3114, 3122, 3132, 3135, 3137, 3151, 3156, 3158, 3179, 3187, 3196, 3198, 3206–3207, 3210, 3229, 3240, 3255, 3259, 3262, 3267, 3270, 3276, 3342, 3350, 3366, 3379, 3406, 3419, 3427, 3465–3466, 3486, 3514, 3526, 3529, 3546, 3548, 3554, 3584–3585, 3608, 3614, 3633–3635, 3640, 3642, 3653, 3712, 3715, 3740, 3742, 3778, 3806, 3821–3822, 3836, 3859, 3883, 3890, 3922, 3946, 3957–3958, 3967, 3977, 3998, 4007, 4011, 4015, 4023, 4025, 4041–4042, 4045, 4047, 4050–4051, 4065, 4089, 4098, 4100, 4129–4130, 4175, 4186, 4190, 4193, 4195, 4208, 4216, 4239, 4241, 4246, 4273, 4279, 4282–4284, 4312, 4328, 4332, 4344, 4353, 4371, 4373, 4386, 4392, 4407, 4418, 4425, 4447, 4464, 4479
TIMOLOL: 1757, 2336
TINNITUS: 4212, 4446
TISSUE CULTURE: 364, 998, 1033, 1078, 1117, 1134, 1383, 1455, 1791, 1848, 1918, 1972, 2255, 2579, 2759, 3192, 3408, 3470, 3566, 3779, 3840, 3863
TISSUE DISTRIBUTION: 69, 147, 396, 510, 975, 1080, 1182, 1438, 1552, 1557, 1581, 1668, 1852, 1905, 1928, 1997, 2289, 2292, 2353, 2571, 2615, 2986, 3389, 3396, 3776, 3978, 4089, 4142, 4155, 4253, 4288, 4325
TISSUE EXTRACTS: 777–778, 884, 1791, 2601, 2898, 3458, 3701, 3761, 4454
TISSUE PRESERVATION: 1993, 2695, 3446, 4047
TISSUE THERAPY: 2020
TOBACCO: 1426, 4305
TOBRAMYCIN: 1290
TOES: 3154, 3746
TOLAZOLINE: 1188
TOLBUTAMIDE: 2494, 3015
TOLMETIN: 2828
TOLUIDINES: 559
TOMOGRAPHY: 3084
TOMOGRAPHY, COMPUTERIZED AXIAL: 44, 157, 164, 520, 954, 1194, 1360, 1615, 1734, 1763, 1788, 1867, 1908, 1944, 1965, 2262, 2299, 2454–2455, 2470–2471, 2508, 2836–2837, 3197, 3214, 3561, 3876, 4352, 4524
TOMOGRAPHY, RADIOGRAPHIC: 4000
TONGUE: 3070
TONGUE DISEASES: 471, 2675
TONSIL: 2380
TOOTH: 895, 1541, 1656, 2730–2731, 3698
TOOTH ABNORMALITIES: 3520
TOOTH ERUPTION: 895, 3670
TOOTH EXTRACTION: 586, 1338, 1546, 1839, 1960, 2219
TORSION: 226, 862
TOXICOLOGY: 17, 109, 3799
TOXOPLASMOSIS: 122
TOXOPLASMOSIS, OCULAR: 122
TRACE ELEMENTS: 83, 1845, 4442
TRACHEA: 99, 1010, 1064, 1506, 2587, 3767, 3905, 4101, 4185
TRACHEAL NEOPLASMS: 4101
TRACHEAL STENOSIS: 2946, 4101
TRACHEOTOMY: 2675, 4101, 4507
TRACTION: 1132, 2595
TRANEXAMIC ACID: 991
TRANQUILIZING AGENTS: 3256
TRANQUILIZING AGENTS, MAJOR: 16, 1013, 1082, 1199, 1577, 1682, 2352, 3351, 4070, 4188
TRANQUILIZING AGENTS, MINOR: 3223
TRANSCOBALAMINS: 727, 1415
TRANSCORTIN: 43, 1018, 1580, 2904, 3641
TRANSCRIPTION, GENETIC: 606, 746, 888, 1238, 1332, 2004, 2309, 2354, 2589, 3347, 3480, 3537, 3725
TRANSDUCERS: 1502
TRANSFERASES: 1496
TRANSFORMATION, GENETIC: 2276
TRANSIENTS AND MIGRANTS: 2709
TRANSLATION, GENETIC: 261, 510, 626, 640, 1271, 1635, 1772, 1885, 2339, 2354, 2697, 3024, 3260, 3311, 3557, 4387
TRANSLOCATION (GENETICS): 176, 181, 385, 741, 1886, 2236, 2403
TRANSPLANTATION, ALLOGENEIC: 443, 545, 1651, 2109, 2447, 2695, 3030, 3246, 3375, 3523, 4418
TRANSPLANTATION, AUTOLOGOUS: 1167, 1530, 1542, 1699, 2020, 2155, 2429, 2574, 3245, 3463, 4103
TRANSPLANTATION, HETEROLOGOUS: 1176, 2943
TRANSPLANTATION, HOMOLOGOUS: 395, 580, 690, 991, 1368, 1705, 1830, 2007, 2058, 2072, 2096, 2531, 2604, 3124, 3128, 3208, 3278, 4096
TRANSPLANTATION, ISOGENEIC: 403, 675, 2695, 2747, 4273
TRANSPORTATION: 449
TRANSSEXUALISM: 978, 1195, 2026, 2583, 3673
TRANSVESTISM: 3815
TRANYLCYPROMINE: 679, 726, 830, 1376
TRAZODONE: 839
TREMATODA: 2439
TREMOR: 2509
TRENBOLONE: 1646, 3396, 4175
TRETINOIN: 611, 1709, 2004, 2231, 2303, 2589, 4346
TRETOQUINOL: 2929
TRIALKYLTIN COMPOUNDS: 537
TRIAMCINOLONE: 3308
TRIAMCINOLONE ACETONIDE: 204, 898, 969, 1482, 2133, 3724, 3736, 3826–3827, 4195, 4309, 4446
TRIAMTERENE: 1613, 2327
TRIAZINES: 809, 1835
TRIAZOLES: 2687
TRICHLOROACETIC ACID: 4032
TRICHLOROETHYLENE: 109
TRIFLUOROTHYMIDINE: 690
TRIGLYCERIDES: 177, 179, 263, 331, 877, 1068, 1237, 1260, 1339, 1553, 1561, 2013, 2450, 2538, 2767, 3462, 3471, 3775, 4125, 4416, 4421
TRIIODOTHYRONINE: 1, 6, 13, 52, 54, 141, 152, 260, 483, 605, 608, 733, 770, 781, 841, 889, 980, 1049, 1128, 1193, 1288, 1320, 1333, 1380, 1386, 1478, 1556, 1567–1568, 1636, 1683, 1693, 1712, 1759–1760, 1821, 1826, 1831–1832, 1845, 1874, 1996, 2039, 2045–2046, 2054, 2073, 2158, 2172, 2199, 2235, 2437, 2449, 2644, 2774, 2857, 3106, 3332, 3376, 3503, 3630, 3640, 3656, 3683, 3701, 3783, 3844, 3901, 3926, 3933, 3978, 3989, 4012, 4021, 4072, 4158, 4235, 4278–4279, 4313, 4392, 4467, 4497
TRIIODOTHYRONINE, REVERSE: 260, 1049, 1380, 1478, 1636, 1712, 2045, 2235, 2857, 4158, 4278
TRIMETHYLSILYL COMPOUNDS: 127, 405, 689, 1391, 2298
TRINITROBENZENESULFONIC ACID: 496, 3453
TRISOMY: 741, 3288, 3699

TRITERPENES: 107
TRITIUM: 722, 1082, 1293, 1337, 1391, 1495, 1766, 2037, 2104, 2206, 3143, 3874, 4257, 4325
TRITONS: 434, 892, 932, 1883, 2253, 2300, 4361
TRITURUS: 3192
TROMETHAMINE: 922
TROPHOBLAST: 2502, 2735, 3381, 3866, 4262, 4321
TROPHOBLASTIC TUMOR: 1297, 1543, 2242
TROPICAL CLIMATE: 986
TROPOMYOSIN: 25, 4263
TROPONIN: 25, 902
TROUT: 638, 1271, 2309, 3118, 4376
TRYPANOSOMIASIS, SOUTH AMERICAN: 3097
TRYPSIN: 322, 432, 1436, 1864, 1978, 2681, 2911, 2934, 3110, 3129, 3397, 3484, 3789, 4293, 4383
TRYPSIN INHIBITORS: 2934, 3397
TRYPTAMINES: 710, 724, 726, 830, 1083, 2453, 2489, 3686, 4003
TRYPTOPHAN: 83, 319, 542–543, 638, 726, 830, 858, 1094, 1355, 1376, 1387, 1774, 2075, 2498, 2508, 2515, 2702, 2720, 2768, 2941, 3229, 3489
TRYPTOPHAN HYDROXYLASE: 1571, 2744, 3303, 3822
TRYPTOPHAN OXYGENASE: 1081, 1387, 1635, 3695
TRYPTOPHANASE: 4427
TUBERCULIN: 212
TUBERCULOSIS: 3438, 3573
TUBERCULOSIS, OSTEOARTICULAR: 212, 813
TUBERCULOSIS, PLEURAL: 2901
TUBERCULOSIS, PULMONARY: 340, 653, 1452, 3862, 3990, 4360
TUBEROUS SCLEROSIS: 487
TUBULIN: 175, 2186
TUMOR VIRUS INFECTIONS: 2879
TURBIDIMETRY: 655
TURKEYS: 3287
TURNER'S SYNDROME: 131, 384, 1073–1074, 1370, 1911, 1956, 1989–1990, 2070, 2294, 2304, 2517, 2586, 3411, 3466, 3678, 4115, 4296, 4444, 4452, 4476, 4532
TURTLES: 1307
TWINS: 10, 281, 395, 1404, 2182, 2858, 3505
TWINS, DIZYGOTIC: 1113, 2041, 2858, 3505, 4115
TWINS, MONOZYGOTIC: 2041, 3505, 4115, 4354
TYMPANIC MEMBRANE: 576
TYPHOID: 1673, 2437, 3641
TYRAMINE: 61, 283, 714, 1083, 1159, 1629, 1883, 2635, 3578, 3802
TYROSINASE: 2805
TYROSINE: 379, 542–543, 1193, 1678, 2125, 2498, 2805, 3227
TYROSINE AMINOTRANSFERASE: 261, 1454, 1635, 2125, 3260, 3695, 3720, 3741, 3797, 4425
TYROSINE HYDROXYLASE: 61, 240, 2541, 3050, 3292, 3986, 4011, 4388

U

UDP GLUCURONOSYLTRANSFERASE: 74, 1291
ULCER: 471, 1300
ULNA: 49
ULNAR NERVE: 4160
ULTIMOBRANCHIAL BODY: 939
ULTRACENTRIFUGATION: 1339
ULTRAFILTRATION: 3858, 4341, 4481
ULTRASONIC THERAPY: 2140, 2286
ULTRASONICS: 10, 66, 476, 656, 753, 765, 1404, 2061, 2265, 2267, 2558, 3036, 3084, 3107, 3183, 3203, 4245, 4524, 4535
ULTRAVIOLET RAYS: 137, 865, 1210, 1385, 1684, 2351, 3111, 4448
ULTRAVIOLET THERAPY: 3742, 3864
UMBILICAL ARTERIES: 3667
UMBILICAL HERNIA: 149, 3070
UMBILICAL VEINS: 4293
UNITED STATES FOOD AND DRUG ADMINISTRATION: 623, 2200, 2549
UNITHIOL: 625
URBAN POPULATION: 2594, 2709
UREA: 183, 199, 399, 603, 684, 1003, 1969, 2414, 3223, 3295, 3771, 4079, 4460
UREMIA: 59, 437, 455, 844, 1600, 1651, 1858, 1892–1894, 1934, 2000, 2013, 2070, 2313, 2385, 2394, 2556, 2590, 2843, 3531, 3761, 3796, 3900, 3975, 4298, 4519
URETER: 85, 887, 2697, 2875, 2896, 3049
URETERAL OBSTRUCTION: 1194, 3049
URETHANE: 2523, 2930
URETHRA: 2, 50, 1940
URIC ACID: 517, 555, 634, 1003, 1654, 2189, 2191, 2590, 3519, 3780, 4480
URIDINE: 169, 360, 2015, 3065, 3896
URIDINE MONOPHOSPHATE: 2015
URIDINE TRIPHOSPHATE: 2015
URINARY CALCULI: 443, 658, 2779, 3208
URINARY DIVERSION: 3496
URINARY TRACT: 1650
URINATION: 563, 2030
URINATION DISORDERS: 244, 2792
URINE: 324, 1647, 2063, 2922, 3219, 4023, 4069
UROBILIN: 4207
UROCANASE: 508
UROCHORDATA: 1811
URODYNAMICS: 2896
UROGENITAL NEOPLASMS: 955, 1198
UROGENITAL SYSTEM: 1766, 4039, 4459
UROGRAPHY: 955, 1411, 3413, 4005
UROKINASE: 1657
UTERINE CONTRACTION: 203, 720, 1201, 1257, 1755, 2849, 2926, 3234, 3264–3265, 3321, 3361, 3401, 3580, 4353, 4441
UTERINE DISEASES: 896, 1239, 2500
UTERINE HEMORRHAGE: 2112, 2997, 3261, 3400
UTERINE NEOPLASMS: 115, 218, 838, 852, 927, 938, 977, 1131, 1297, 1617, 1665, 1726, 1781, 1804, 1855, 2182, 2200, 2239, 2242, 2304, 2418, 2500, 2538, 2713, 3011, 3098, 3104–3105, 3248, 3261, 3357, 3403, 3435, 3496, 3839, 3892, 3898, 4049, 4128, 4149, 4245, 4262, 4371
UTERINE PROLAPSE: 632, 1132, 3335
UTERINE RUPTURE: 589
UTEROGLOBIN: 510, 1080, 2846, 3110, 3115, 3469
UTERUS: 9, 91, 114, 166, 170, 283, 300–301, 411, 428, 462, 464, 494, 498, 510, 590, 633, 666–667, 706, 715, 720, 797, 876, 899–900, 1029, 1043–1044, 1080, 1119, 1131, 1169, 1239, 1257, 1614, 1617, 1653, 1709, 1726, 1755, 1784, 1798, 1825, 1857, 1917, 2064, 2066, 2100, 2127, 2132, 2147, 2155, 2250, 2320, 2374, 2496, 2593, 2629, 2645, 2671, 2708, 2803, 2846, 2852, 2889, 3056, 3072, 3090, 3104–3105, 3110, 3231, 3234, 3252, 3265, 3344, 3401, 3423, 3466, 3469, 3516, 3644, 3928–3929, 3962, 4124, 4216, 4257, 4309, 4330
UVEAL DISEASES: 3007, 3739
UVEITIS: 1409, 2659, 2859, 3665

V

VACCINATION: 2923, 3641, 4500
VACCINES: 4500
VACUOLES: 383, 821, 1401, 2156, 3854, 4295
VACUUM CURETTAGE: 587
VAGINA: 39, 414, 900, 935, 1110, 1131, 1500, 1617, 1798, 1804, 1825, 1940, 2051, 2155, 2250, 2937, 3349, 3487, 4216, 4257
VAGINAL DISEASES: 3674
VAGINAL NEOPLASMS: 2998, 3496, 4532
VAGINAL SMEARS: 126, 715, 2937, 3176
VAGOTOMY: 1807, 4074
VAGUS NERVE: 35, 408, 913, 4074
VALINE: 3863
VALINOMYCIN: 42
VALPROATE: 2677, 2992
VANILMANDELIC ACID: 849, 2727
VARIATION (GENETICS): 1658, 3254, 4173
VARICOCELE: 615, 699, 926, 1805, 3282, 3326, 4217, 4287, 4484, 4527
VARICOSE VEINS: 3786
VAS DEFERENS: 318, 460, 720, 1306, 1658, 1825, 1873, 2281–2282, 2607, 2846, 3013, 3091, 3282, 4302
VASCULAR DISEASES: 9, 552
VASCULAR HEADACHE: 732, 1585, 2780
VASCULAR RESISTANCE: 254, 1044, 1284, 1413, 1420, 2313, 2663, 2708, 2792, 2913, 3608
VASCULITIS: 3705
VASECTOMY: 57, 1306, 2772, 4079
VASOACTIVE INTESTINAL PEPTIDE: 387, 1256, 1281, 1650, 3097, 3189, 3301, 3377, 3417
VASOCONSTRICTION: 575, 713, 1172, 1281, 1507, 1773, 1876, 2215–2216, 2268, 2578, 2792, 4081, 4174
VASOCONSTRICTOR AGENTS: 982, 1554, 2795, 4034
VASODILATION: 78, 773, 1159, 1876, 2654, 2708, 2896, 2963
VASODILATOR AGENTS: 79, 982, 1358, 1433, 1481, 1505, 1554, 1676, 3159, 4034
VASOMOTOR SYSTEM: 1159, 1281, 1413, 3667
VASOPRESSINS: 79, 98, 156, 183, 324, 369, 392–393, 565, 600, 782, 1097, 1201, 1212, 1420, 1524, 1604, 1638, 1768, 1773, 2063, 2252, 2325, 2402, 2626, 2698, 2741, 2883, 2917, 2936, 2951, 2963, 2974, 3055, 3211, 3317, 3391, 3517, 3584, 3607, 3620, 3680, 3696, 3704, 3786, 4081, 4147, 4226, 4236, 4277
VASOTOCIN: 369, 3401
VEGETABLES: 2191
VEGETARIANISM: 1504
VEHICLES: 167, 2764
VEINS: 174, 565, 997, 1548, 1787, 1805, 2596, 2706, 2866, 3049, 3086
VENA CAVA, INFERIOR: 2626, 4276
VENEREAL DISEASES: 4343
VENOUS PRESSURE: 1420, 2792
VENTILATION: 2011
VENTRICULAR FIBRILLATION: 2906–2907
VENTRICULOGRAPHY, CEREBRAL: 1763
VENULES: 2840
VERATRUM ALKALOIDS: 1776
VERTEBRATES: 4174
VERTIGO: 4370
VESICULAR STOMATITIS VIRUS: 3108
VESTIBULAR APPARATUS: 3119
VIBRATION: 1869
VIBRIO CHOLERAE: 3273, 3949
VIDARABINE: 690, 4094
VINBLASTINE: 628, 961, 988, 1417, 2117, 2186, 3365
VINCRISTINE: 182, 220, 539, 1012, 1144, 1346, 1417, 1529, 1652, 1735, 2572, 2728, 2783, 3267, 3363, 3406, 3647, 3751, 4157, 4386
VINYL CHLORIDE: 1949
VIRAL PROTEINS: 4413
VIRILISM: 1074, 1940, 2099, 2294, 4368, 4459
VIRULENCE: 3736
VIRUS DISEASES: 1796, 2231, 3545, 3586, 3798, 4360
VIRUS REPLICATION: 4116
VIRUSES: 2123
VISCOSITY: 3412
VISION: 1130, 3830
VISION DISORDERS: 794, 1734, 2436, 3973
VISITORS TO PATIENTS: 4234
VISUAL ACUITY: 1720, 1953, 3007
VISUAL FIELDS: 520, 1014, 2436, 3000
VISUAL PATHWAYS: 2245, 2438
VISUAL PERCEPTION: 2134, 4196
VITAL CAPACITY: 1647
VITAMIN A: 83, 1039, 1709, 2004, 2064, 2231, 2303, 2589, 3864, 4346
VITAMIN A DEFICIENCY: 2378
VITAMIN B 12: 83, 727, 2024, 2378
VITAMIN B 12 DEFICIENCY: 2075
VITAMIN D: 160, 450, 530, 604, 647, 856, 959, 974–975, 1039, 1087, 1160, 1230, 1319, 1574, 1632, 1656, 1680, 1689, 1708, 1769, 1856, 1944, 2137, 2363, 2378, 2432, 2511, 2556, 2657, 2835, 2843, 2873, 3041, 3047, 3114, 3442, 3631, 3796, 4055, 4241, 4266, 4322, 4324
VITAMIN D DEFICIENCY: 199, 637, 784, 1160, 1523, 1667, 2293, 2363, 2965, 3046, 3603, 3742, 3761, 4266
VITAMIN E: 865, 1039, 2064, 2286, 3939
VITAMIN K: 1547, 3601
VITAMINS: 83, 456, 1504, 1765, 2008, 2378
VITELLOGENIN: 749, 888, 892, 1888, 3124, 3522, 3566, 3797, 3994, 4035, 4308
VITILIGO: 1599
VOCALIZATION, ANIMAL: 2213
VOICE: 2669
VOICE QUALITY: 2669
VOLES: 538, 2609, 3904
VOMITING: 588, 628, 875, 1643, 2028, 2161
VON WILLEBRAND'S DISEASE: 1192
VULVAR NEOPLASMS: 3403

W

WAKEFULNESS: 404, 1637, 4026, 4381
WARFARIN: 1067, 1547
WATER 2008, 2761, 2768, 2917, 4028, 4175
WATER DEPRIVATION: 3585
WATER-ELECTROLYTE BALANCE: 98, 156, 324, 455, 876, 1037, 1123, 1307, 1414, 1792, 1998, 2777, 2847, 2976, 3005, 3088, 3583, 3846, 3871, 4083, 4122
WATER-ELECTROLYTE IMBALANCE: 229, 893, 963, 1325, 2619, 2702, 3607, 3718, 4118
WATER INTOXICATION: 2341
WATER POLLUTION, RADIOACTIVE: 2984
WATER SUPPLY: 69
WEANING: 325, 486, 2414, 3342, 3427, 4244
WEATHER: 391
WEGENER'S GRANULOMATOSIS: 637
WEIGHTLESSNESS: 1269, 3119, 3465
WHEAT: 626, 640, 1635, 3260
WHEELCHAIRS: 3290
WHOLE BODY COUNTING: 2353
WISSLER'S SYNDROME: 1277, 2358
WOMEN: 708
WOOD: 3726
WOOL: 2960
WORK: 1907
WORLD HEALTH ORGANIZATION: 1485, 2239
WOUND HEALING: 672, 702, 777-778, 969, 1457, 1605, 1795, 2743, 3245, 3463, 4412
WOUNDS AND INJURIES: 777-778, 963, 972, 2717, 3083, 3196, 3478, 3586
WOUNDS, NONPENETRATING: 133
WOUNDS, PENETRATING: 969
WR 2721: 1765
WRIST: 2134, 3014

X

X CHROMOSOME: 745, 810, 1220, 1253, 1456, 1987, 2069, 2174, 2310, 2403, 2483, 3217, 3288, 3502, 3699, 3710, 4076, 4306, 4452
X-RAY DIFFRACTION: 1780
X-RAYS: 181, 1210, 2753, 3111, 3367
XANTHINE OXIDASE: 432, 2261, 2988
XANTHINES: 97, 432, 651, 1124, 2101, 2362, 2488, 2988, 3132
XANTHURENATES: 2075
XENON RADIOISOTOPES: 3409
XENOPUS: 185, 479, 526, 892, 1271, 2644, 3509, 3557
XERODERMA PIGMENTOSUM: 1210, 1684
XYY KARYOTYPE: 852, 1475-1476, 3150, 3485

Y

Y CHROMOSOME: 384-386, 614, 631, 911, 1886, 2959, 3678, 3785, 4041, 4173
YOHIMBINE: 3884
YOLK SAC: 1885

Z

ZEARALENONE: 1294, 1976, 2444, 4256
ZINC: 450, 706, 1053, 1056, 1605, 2229, 2870, 3535, 4442
ZOLLINGER-ELLISON SYNDROME: 1793, 2190, 2996
ZONA PELLUCIDA: 3151, 3903
ZYGOTE: 2270
ZYMOSAN: 2360

AUTHOR INDEX

A

Aakvaag A: 1
Aarskog D: 2
Ab G: 892
Abate S: 1098
Abavari K: 3641
Abboud CF: 110
Abdou MS: 3
Abdullabekov GA: 4, 2924
Abe H: 5, 2915
Abe K: 6, 1764, 3934
Abe M: 2719
Abe R: 2687
Abe S: 7
Abe Y: 8, 3911, 4090
Abee CR: 1980
Aber GM: 9
Aberer W: 3524
Aberg A: 10
Aberle HG: 11–12
Abernethy PJ: 2993
Abesamis C: 71
Abilev SK: 1141
Abiodun MO: 13
Abou-Issa H: 14
Abraham GE: 1619
Abrahams PP: 3969
Abramova FA: 2594
Abramovich DR: 15
Abramovici H: 438
Acevedo WM: 2985
Ach S: 3641
Achilli G: 60
Ackenheil M: 16
Ackermann E: 17
Ackermann F: 3807
Acritopoulou S: 18
Adachi H: 2688, 3909
Adam A: 1456
Adam T: 3369
Adamczewska K: 19
Adami HO: 20
Adams D: 21
Adams ND: 3394
Adams NR: 2982, 3938
Adams RJ: 3218
Adams RN: 22
Adamson JW: 23
Adeleye JA: 1855
Adelstein RS: 24–25
Adessi GL: 26
Adler F: 3831
Adler NT: 4272
Adler SS: 27
Aepli R: 28
Aernoudt E: 944
Aerts L: 4128
Aft R: 2354
Agboola A: 29
Aggarwal ND: 2247
Aghajanian G: 205
Aghajanian GK: 30, 592, 861
Agnati L: 1224
Agnati LF: 1225
Agner E: 31
Agricola R: 2783
Agro AS: 2330
Agte BS: 32
Aguiar Morales J: 33
Agus ZS: 34
Aharonov A: 1595
Ahern MJ: 3177
Ahkong QF: 3190
Ahlman H: 35
Ahlquist K: 4253
Ahmad AJ: 36
Ahmad SH: 36
Ahmad U: 800, 3503
Ahmed K: 4347
Ahrén B: 37
Ahrén K: 2324
Ahtee L: 1250
Ahuja GK: 2437
Ahuja IS: 2437
Aiba M: 38
Aickin DR: 289
Aikat M: 39
Aimakhu VA: 1855
Airaksinen MM: 40
Aivazian AV: 41
Akagi JM: 932
Akaike A: 2153
Akerman KE: 42
Akers TK: 4479
Akerström G: 1412
Akhrem AA: 43
Akimoto H: 44
Akin'shina LP: 1141
Akizawa T: 2077
Akkerman JW: 1287
Akmal M: 45
Aksel S: 46
Aksnes L: 47
Akstein E: 2865
Aksu MF: 48
Al Jarallah MI: 49
Alaghband-Zadeh J: 1483
Alapiessa U: 1812
Alarcón-Segovia D: 3209
Alavi A: 3030
Alba Losada J: 3340
Alberecht-Nebe H: 3763
Albero R: 50
Albert J: 51, 1274
Albert L: 4443
Alberti KG: 2767, 3860
Albertini A: 591
Aldinger KA: 52
Aldini LP: 3736
Alebouyeh M: 85
Aleksandrovskaia RA: 2536
Alekseenko LP: 53
Alekseev EI: 54
Alekseeva GG: 55
Alemán V: 56
Alexander B: 2288
Alexander KM: 2943
Alexander NJ: 57
Alexandre A: 58
Alfrey AC: 59, 2008
Algeri A: 60
Algeri S: 61, 774
Alho H: 1598
Ali MK: 832
Alison M: 4031
Alix D: 62
Allais C: 63
Allam BF: 1746
Allan GS: 64
Allannic H: 65
Alldredge OC: 2096
Allen EI: 3195
Allen FH: 66
Allen ML: 2285
Allen RJ: 3561
Allen RM: 67
Allen TC: 2250
Allgöwer M: 68
Allien E: 2760
Alliston CW: 3490
Allmann DW: 69
Alluchon-Gérard MJ: 70
Ally AI: 1684
Almagor G: 1731
Almeida CA: 841
Aloia JF: 71
Alonso CC: 4123
Alonso R: 72
Alper CA: 73
Al'pert AE: 74
Alpert BE: 3499
Alsabti EA: 75
Alsen C: 76
Alspector FE: 689
Altaras M: 336
Altrichter H: 2070
Altschuler M: 77
Altshul S: 687
Altura BM: 78–79
Altura BT: 79
Alvarado Romero J: 3769
Alvarado-Urbina G: 956
Alvord EC Jr: 80
Amamiya S: 2851, 3629
Amann RP: 3299
Amann W: 81
Amano K: 82
Amano T: 2927
Amantea P: 4452
Amara IA: 2199
Amatayakul K: 83
Amato S: 911, 3818
Ambrosius H: 3075
Ambrus JL: 84
Ambrus JL Jr: 84
Amell G: 3998
Ameri MR: 85
Ametov AS: 4065
Amiel C: 2152
Amiel JL: 86
Amin M: 87
Amin N: 88
Amino N: 89
Aminot A: 3050
Amir S: 90
Amir Y: 92, 2618, 3429
Amirfeyz M: 85
Amit Z: 90
Amma MK: 91
Amorosi ED: 1867
Amsterdam A: 92, 2618, 3429
Amuthan V: 1911
Ananchenko SN: 633
Anand BK: 2456
Anand SK: 3517
Anani P: 1350
Anapliotou M: 1953
Ances IG: 2649
Anderer FA: 1846
Andersen ED: 1602
Andersen HJ: 1786, 1913
Andersen JM: 93
Andersen PK: 3835
Anderson AB: 2630, 2634
Anderson CK: 3956
Anderson DC: 3087
Anderson DJ: 1577
Anderson DW: 3197
Anderson ER: 94
Anderson G: 2663
Anderson J: 2487
Anderson JA: 95
Anderson JC: 96
Anderson LD: 612
Anderson LM: 97
Anderson MW: 619
Anderson RJ: 98
Anderson T: 4433
Anderson TW: 636
Andersson K: 1224
Andersson KE: 2596, 4353
Andersson RG: 99
Anderton BH: 201
Andler W: 100
Andrade D: 2156
Andrassy K: 101
Andreatta RH: 514
Andreev BV: 102
Andreev T: 3071
Andreis PG: 130
Andreuccetti P: 103
Andrews SJ: 1843
Andrieu JM: 3254
Andrzheiuk NI: 1452
Anger G: 104
Anghel I: 173
Anghileri LJ: 105
Anhut H: 106
Ania IA: 519
Anisimov MM: 107
Anisimov VN: 2940
Anisimova MI: 108
Annau Z: 109
Annegers JF: 110
Annexton M: 111
Ansari Z: 36
Anstey JT: 112
Antal M: 1963
Antarkar DS: 2555
Anthony M: 113
Antipina NN: 389
Antolik P: 801
Antonaccio MJ: 1528
Antonenko TA: 2065
Antonini R: 114
Antonio Z: 610
Antonovych TT: 1016
Antunes CM: 115

Antunes JL: 565, 4329
Anuman-Rajadhon Y: 116
Anzalone AJ: 3474
Aoki H: 3875, 3926
Aono R: 117
Aono T: 2640
Aparicio M: 118
Apitzsch DE: 3764
Apostoloff E: 3763
Appelbaum J: 119
Appelgren LE: 120
Apple D: 121
Apple DJ: 2542
Appleton DR: 4386
Apt W: 122
Apuzzo M: 1303
Arad G: 123
Arai K: 4403, 4423
Araki H: 629
Araki Y: 2642
Arancibia S: 3377
Aranda Lara P: 3434
Arányi P: 4170
Arauco R: 1057
Arbués Lacadena J: 124
Arch S: 442
Archer LT: 681, 1623, 4314
Archer-Hall JA: 49
Ardura J: 125
Arendarčik J: 2467-2468
Arendash GW: 126
Arends J: 3525
Arezzini C: 1301
Argemi B: 223
Ariano B: 3661
Ariga T: 127
Arimizu N: 3409
Arimura A: 2776, 4190
Arisawa M: 1760
Ariyoshi K: 128
Arkavina EA: 2572
Arlart I: 129
Arlet J: 2548
Arm RN: 1960
Armantrout GA: 1927
Armato U: 130
Armendares S: 131
Armstrong A: 2921
Armstrong D: 643
Armstrong DT: 2297
Armstrong JM: 2790
Armstrong WE: 132
Arnaiz Bueno F: 889
Arnaud CD: 2136, 3283
Arnauld E: 1218
Arndt J: 4205
Arnold E: 3199
Arnold LK: 1308
Arnott S: 3480
Aronsohn RS: 133
Arora P: 3217
Arora SP: 499
Arosio M: 766
Arrigo F: 134
Arroyo V: 413
Arruda JA: 2161-2162
Arsenescu G: 135
Arsenis C: 1795
Arteaga EE: 3324
Arthur GP: 136
Arthur JR: 2505
Arthur LJ: 2657
Artiukhov VG: 137
Arya OP: 91
Asai K: 138
Asako K: 4396
Asano Y: 139-140
Asberg M: 319
Ascensao VF: 1973
Asch L: 141
Asch RH: 142
Asfeldt VH: 810
Asfour M: 533, 1152
Ash G: 4380
Ashare AB: 3768
Ashiru OA: 143
Ashley CC: 144-146
Ashraf R: 147
Ashrafov AA: 148
Ashton IK: 149-150
Askergren J: 2808
Askins BS: 151
Astedt B: 1657, 2326
Asteris GT: 3367
Astier H: 583
Astier HS: 152-153
Atakhanova BA: 4071
Aten RF: 1000, 4283
Atha J: 1375
Atherton DR: 2353
Atkins E: 154
Atkins RC: 1651
Atkinson JP: 155
Atkinson LE: 2762
Atlas SA: 581
Atnip RL: 3869
Atta AG: 156
Attie M: 3781
Attinger F: 1306
Aubé M: 157
Aubert P: 962, 1433
Auclair C: 2012
Audet J: 3977
Auersperg N: 3714
Auger RG: 3351
Aula P: 158
Aun F: 159
Aung MK: 4252
Aurbach GD: 3781
Austin JM Jr: 1543
Auvray E: 65
Avallone JP Jr: 4358
Avant GR: 1701
Avecilla LS: 2265
Avery DL: 1372
Avioli LV: 160
Avramov I: 161
Avrigeanu V: 135
Avrushchenko NM: 3023
Avrutina AIa: 162
Awata H: 4412
Awata N: 163
Axelsson B: 164
Axelsson CK: 371
Axelsson O: 165
Axelsson R: 2876
Ayalon N: 166
Aynsley-Green A: 149, 2381
Ayres JW: 188
Ayres PJ: 167
Azevedo DJ: 553
Azhar S: 168-169
Aziz S: 170
Azizi MR: 4119
Azulai R: 3429
Azzi A: 3661

B

Baba A: 171
Baba S: 1542, 4428
Baba T: 171
Baba Y: 1677
Babarykin DA: 3375
Babb TL: 1479
Babichev VN: 172
Babkov VK: 1341
Bablok L: 1802
Babu T: 71
Bache CA: 4436
Bachman S: 2305
Baciu I: 173
Bäcker A: 2102
Bacourt F: 1262
Badder EM: 174
Bader CA: 175
Badikov VI: 21
Badinand P: 2972
Baehner RL: 432
Baele G: 2189
Baer L: 499
Baev I: 181
Baev IA: 176
Bagdade J: 177
Baghdiantz A: 1881
Bagnara JT: 3034
Bagshaw PF: 1045
Bahl OP: 178
Bahl VK: 800
Baïdala VA: 4118
Bailey CJ: 179
Bailey JD: 796
Bailey JM: 492
Bailie MD: 180, 2828, 2928
Baillie DL: 3098
Baïrakova A: 181
Baird CE: 1491
Baïsogolov GD: 182
Bajo M: 183
Bajusz S: 184
Baker HL Jr: 914
Baker ND: 2834
Baker PC: 185
Baker PF: 186-187
Baker R: 1008
Baker RW: 188
Baker T: 1482
Baker TG: 346
Baklavadzhian OG: 985
Baladzhaeva SS: 2141
Balázs G: 189
Baldet P: 2614
Baldwin JR: 4361
Baldwin RL: 4416
Balemans MG: 190
Balentine JD: 191
Balfour-Lynn L: 1324
Baliah T: 3352
Ballard PL: 192, 1322
Ballard RA: 192
Ballardin A: 193
Ballon SC: 3496
Balmaceda J: 768
Balnave D: 194
Balsan S: 195, 1241
Balsano F: 2722
Balthazart J: 196
Bambach CP: 197
Ban T: 3637
Ban Y: 2637, 4408
Bana D: 1374
Banaś L: 209
Banasiak MF: 2494
Bancalari E: 243
Bancroft J: 566
Banderet LE: 1163
Bandhauer K: 2557
Bandle E: 198
Banerjee AK: 199
Banerjee MR: 1238
Banerjee P: 809
Banet M: 200
Banga JP: 201
Bangham CR: 202
Bank WO: 2454
Bankowski K: 203
Bankuzova EV: 3778
Bannerman CE: 1994
Bannerman RM: 1994
Banoun N: 602
Bansal VK: 204
Banzan AM: 916
Bao O: 3437, 3439
Bär W: 12
Bar-Andziak E: 1105
Baraban JM: 205
Barabanov VM: 1078
Barabe P: 206
Baraff G: 3397
Barajas L: 703
Barakina NF: 1732
Baraldi PG: 219
Baranov VG: 207
Baranova MN: 208
Baranowska B: 209-211, 2949
Barash LI: 212
Barashkov VA: 3393
Barats JC: 1546
Barb CR: 3264
Barbarelli J: 2648
Barbeau A: 1776
Barber DL: 213
Barber PV: 274
Barber SG: 214
Barbieri RL: 215
Barbin G: 1461
Barbour GL: 216-217
Barbour PJ: 1149
Barchilon J: 218

Barco A: 219
Barczyński M: 3899
Bardare M: 220
Barden N: 958
Bardin CW: 511, 857, 1804
Bareliuc L: 773
Baretta ED: 3830
Barile G: 1781, 3403
Barilla DE: 3222
Baritussio A: 221
Barjon P: 2614
Barka T: 1405
Barker CF: 3030
Barkhan P: 4338
Barkin JS: 2696
Barkley MS: 222
Barkova TI: 633
Barlet JP: 223–224
Barletta MA: 225
Barlow B: 226
Barlow JJ: 332
Barlow SM: 227
Barnard JM: 1063
Barnea A: 3117
Barnes DM: 1993
Barnes LD: 3304
Barnett AH: 228
Barnett JW: 3127
Barnette WE: 2798
Baron D: 229
Baron J: 230, 1891
Baron RL: 1186
Baron S: 3798
Barrat E: 285
Barreiro P: 4125
Barrett AJ: 1321
Barrett CR: 3309
Barrett JD: 3982
Barrette JP: 2444
Barrie SE: 4335
Barrio JR: 3501
Barritt GJ: 1713
Barry CD: 4270
Barsegian BA: 231
Barsky D: 232
Bartfai T: 233
Bartha I: 189
Barthelmes H: 1419
Bartlett M: 3394
Bartlett W: 730
Bartley P: 928
Bartolucci A: 961
Barton RW: 234
Bartoníčková A: 4112
Bartoš V: 4463
Bartram CR: 4362
Bartsch G: 4461
Barwick KW: 3099
Barwig P: 3482
Barwin BN: 235
Bary FA: 190
Bârzu T: 773
Basilico L: 2564
Basista M: 236
Baskerville A: 237
Bass JJ: 238
Bass O: 2510
Basu P: 3565
Basu R: 239
Bateman CJ: 256
Bates D: 4168
Bates HA: 2724
Batt RA: 240
Batt RM: 241
Batta SK: 612
Battaini F: 2145
Battersby LA: 2989
Battistini E: 1260–1261
Baud CA: 242
Baudet J: 3505
Bauer CR: 243
Bauer HJ: 244
Bauer WC: 2582
Baulieu JL: 245–250
Bauminger S: 251, 2324
Baur HR: 2510
Baust JA: 3670
Bautista JO: 312
Baxter JD: 3550
Baxter RC: 64, 252
Baxter SR: 3691
Bayard F: 2455
Bayer PM: 253
Baylink DJ: 1769, 3354, 3609
Baylis C: 254
Bayliss RI: 2291
Bazarevich GIa: 2246
Beach T: 2147
Beadle RE: 3646
Bear JL: 255
Beard ME: 256
Beardsley GP: 257
Beardwell CG: 3599
Beastall GH: 1746, 2336
Beato M: 3110, 4309
Beattie CW: 715
Beaty O 3d: 258
Beaufils P: 259
Beaulieu M: 2179
Bech K: 260
Bechgaard E: 3043
Bechtel P: 656
Beck G: 261, 3260
Beck JP: 261
Beck N: 262
Beck P: 263
Beck S: 264
Becker JE: 1950
Becker JH: 4342
Beckers C: 420
Beckman H: 672
Beckmann H: 265
Beckmann M: 794
Beckner S: 266
Beckstrom D: 267
Bedard MT: 2403
Beddoe AH: 268
Begeot M: 269
Beggs I: 270
Begue RJ: 271
Behling H: 2098
Behrens M: 3019
Beiderman B: 3068
Beier G: 4041
Beierwaltes WH: 3281
Beilin LJ: 3988
Beisner DH: 272
Beissert M: 3559
Belarbi A: 261, 3260
Beley G: 3257
Belforte L: 2507
Belghiti D: 2184
Belgin E: 4067
Bell AW: 2821
Bell FP: 273
Bell NH: 3186
Bell R: 274
Bellabarba D: 1184
Beller BK: 681, 1623, 4314
Bellina CR: 275
Bellinger LL: 276
Belluzzi JD: 2409
Belman S: 1263
Belokonski I: 3048
Belous AM: 4468
Belousova NA: 2594
Belovezhdov N: 277
Ben-Aderet N: 336, 3126
Ben-David E: 1495
Benacerraf A: 278
Benakis V: 4200
Bénard B: 1184
Benarroch EE: 2744
Benchimol S: 279
Bend JR: 2712
Benda P: 280
Bender HG: 281
Bender RA: 1835, 4433
Bendianishvili MB: 2170
Benedetti Panici P: 3403
Benedetto S: 2452
Benedict CR: 282
Benetti S: 219
Benezet O: 1290
Benfield JR: 2805
Bengtsson B: 283
Benichou J: 1162
Benito M: 284
Benjamin BA: 681
Benjamin D: 3780
Benjamin IS: 1746
Benkert O: 2175
Benkoël L: 285
Benner R: 286
Bennet J: 558
Bennett CM: 703
Bennett JL: 3003
Bennett JM: 1735
Bennett JP: 287
Bennett S: 1990
Bennett T: 1516, 1861, 3843
Bennett W: 481
Bennetts WW: 3223
Bennion LJ: 288
Benny PS: 289
Benoff FH: 290
Benraad H: 291
Benraad T: 291
Bensadoun A: 441
Bensemana D: 292
Bensman A: 293
Benson B: 2531
Bentley MJ: 294
Benveniste R: 295, 3191
Berard CW: 1735
Bérault A: 296
Berchtold JP: 297
Berenguer A: 298
Beress L: 76
Beretta-Piccoli M: 299
Berezhnoĭ VI: 458
Bereziat G: 3254
Berg BH: 300
Berg SL: 301
Bergans A: 1222–1223
Berger B: 302
Berger G: 303
Berger GS: 304
Berger JS: 3354
Berger M: 1808
Berger MJ: 305
Berger P: 206
Bergeron C: 306
Bergeron JJ: 1847
Bergeron M: 3458
Bergman B: 1467
Bergmann KC: 307–308
Bergquist C: 2806
Bergsholm P: 3710
Bergström M: 164
Berio A: 309
Berker F: 3247
Berkowitz DS: 2356
Berl T: 310
Berliner GB: 2572
Berman AL: 2071
Berman B: 311
Berman M: 3898
Berman MB: 917
Berman MF: 2331
Berman ML: 3496
Berman WF: 312
Bermudez E: 4337
Bern HA: 1941
Bernacka K: 3452
Bernard GW: 313
Bernard J: 1321
Bernardis LL: 1337
Bernath AM: 3705
Berndt T: 2036
Berner P: 2518
Bernheim J: 3442
Bernstein D: 1316
Berrettini WH: 314
Bershtein LM: 2940
Bertagna X: 315
Berthelsen A: 316
Berthezene F: 3457
Bertholet JY: 317
Berti F: 318
Bertilsson L: 319
Bertolotto M: 731
Bérubé A: 2282
Berzina SV: 3411
Besarab A: 569
Beskrovnaia NI: 207
Besser GM: 608, 853, 3860
Besson J: 3377
Besson P: 320
Beton DC: 274

Betteridge A: 321
Bettzieche H: 3560
Betz G: 322
Betz TW: 323
Bevan DR: 324
Bevers MM: 325
Beyer J: 326, 3528
Beyerle MP: 525
Beyler AL: 1095
Bezeaud A: 1441
Beziau A: 2312
Bezin GI: 327
Bezkorovainaia OI: 328
Bezverkhaia TP: 329
Bhandare K: 3596
Bhargava HN: 35, 330
Bhat NR: 331
Bhatarakamol S: 858
Bhatnagar HN: 1448
Bhattacharya AK: 3788
Bhattacharya M: 332
Bhattacharya SK: 333–334, 3686
Bhidya S: 2710
Bhongvej S: 1752
Bhujle BV: 335
Bhuyan UN: 2445
Bialasiewicz AA: 1858
Biale Y: 336
Białowąs J: 3791
Bianchi C: 337
Bianchi E: 3070
Bianchi R: 275
Bianco S: 338
Biava CG: 339
Bibby JG: 2630
Bichineva EP: 340
Bicking JB: 341
Biddle FG: 342
Biehl G: 343
Biehl JP: 121
Bielecka W: 2046
Bielicki F: 344
Bierich JR: 345
Bigelow B: 862
Biggs JS: 346
Bigot JM: 615
Bijvoet OL: 2284
Bilek K: 3381
Bilezikian JP: 870
Bilková B: 3399
Billiar RB: 3913
Bills TK: 3668
Bílý B: 347
Binah O: 348
Binder ND: 349
Bing RF: 350, 4001
Bing RJ: 351
Binkiewicz A: 352
Binkley S: 3820
Binkley SA: 353
Binogradov VV: 354
Binswanger U: 1424
Biran S: 4304
Bird CE: 355, 3969, 4142
Bird ED: 356
Bird FH: 357
Bird R: 3862
Bird SJ: 358
Birk SA: 3775
Birmingham AT: 739, 1469, 1723, 1818, 2030
Birnbaum G: 359
Birnbaum S: 2355
Biro G: 2278
Biró J: 360
Biserte G: 4383
Bishop M: 2695
Bishop WH: 1967
Bismuth J: 583
Bisset JP: 361
Bissette G: 362
Biswas K: 1294
Biswell R: 3739
Bitensky L: 598
Bito S: 2522
Bittoun P: 2227
Bixler TJ: 363
Bizer VA: 3161
Bjarnason O: 3467
Bjornson LK: 2711
Blacik JL: 2032
Black AK: 1385
Black BL: 364
Black EG: 2935
Blackett NM: 2605
Blackett PR: 2195
Blackman MA: 3548
Blackshaw A: 1609
Blackwell GJ: 365
Blahoš J: 366
Blair P: 2701
Blake CA: 143, 367
Blake J: 1759, 2921
Blake JT: 544
Blake MI: 3655
Blalock JA: 1084
Blanc D: 3318
Blanc J: 368
Blanchard MH: 2911
Blanco LN: 3077
Blankstein J: 2864
Blasco A: 2548
Blask DE: 369–370
Blasko JC: 3992
Blecharz AJ: 947
Blecher M: 266
Blechner JN: 302
Blei AT: 1420
Blichert-Toft M: 371, 2333
Blickenstaff RT: 3817
Blobel G: 2339
Bloch B: 372
Bloch KJ: 1513
Bloch-Shtacher N: 1456
Block MB: 373
Block SA: 2543
Blok FJ: 3383
Blom AK: 1357
Blomqvist C: 2373
Blondeau P: 374–375
Blondel B: 376
Bloom BR: 377, 3350
Bloom SR: 2381, 3097, 3189, 3860
Bloomfield CD: 693
Blum C: 459
Blum M: 378, 2760
Blum MS: 3114, 3500
Blume HW: 3080
Blumenschein GR: 52
Blumenstein M: 379
Blundell JE: 380
Blunt CG: 1845
Blythe JG: 112
Bo WJ: 2127
Boarder MR: 381
Boast CA: 1721
Bobik CM: 473
Bobilewicz D: 382
Bobrowski A: 3899
Bočan P: 966
Böcker W: 383
Boczkowski K: 384–386
Bodansky M: 387
Boddy K: 388
Bodemer W: 3912
Boeckx W: 468
Boedec R: 487
Boedtker H: 2276
Boer GJ: 3885
Boerth RC: 2725
Boesel RW: 3598
Boëthius J: 2585
Boettcher B: 1729
Bogacki W: 3899
Bogatyrev OP: 1870
Bogdan A: 4030
Bogdanova EA: 389, 3411
Boggis J: 390
Boghen D: 157
Bogin BA: 391
Böhm O: 4211
Böhm R: 3981
Bohm S: 3786
Böhm W: 3011
Bohn H: 15
Bohnet HG: 1503
Bohus B: 392–393
Boileau RA: 3713, 4358
Boillat MA: 242
Boink AB: 3383
Boiron M: 1321
Boiti C: 394
Boivin G: 242
Boku S: 3928–3929
Bolan G: 2344
Boland MP: 395
Bolande RP: 3553
Bollack C: 261
Bollero E: 2610
Bollum FJ: 396
Bolman RM 3d: 397
Bolognese RJ: 2623
Bolt DJ: 1455
Bolton NJ: 1536
Bombardieri S: 275
Bonasera L: 4019
Bondarev GI: 4194
Bone S: 645
Bonetti A: 1824
Bongiovanni AM: 2611
Bonioli E: 3665
Bonjour JP: 398, 1127
Bonneau M: 1321
Bonner DP: 3688
Bonner OD: 399
Bonnet-Eymard J: 3318
Bonnevie O: 967
Bonnin A: 400
Bonnin M: 401
Bonora G: 591
Bonorris GG: 3949
Bonte P: 427
Bonting SL: 3253
Boobis AR: 402
Bookin HB: 3055
Booth DF: 3586
Booth JE: 403
Boots LR: 1543
Boquoi E: 3104–3105
Borasio PG: 219
Borbély AA: 404
Borden EC: 1643
Bordier P: 4475
Bordier PJ: 1319
Bordiushkov IuN: 3101
Bordlee BP: 1108
Boreham DR: 405
Borejko J: 406
Borgart-Creutzburg IH: 4150
Borghardt J: 3521
Borghi E: 1774
Borgno G: 1297
Borgstein A: 3788
Boris A: 407
Borisenko AP: 1341
Borison RL: 881
Borisova EA: 408
Borisova NA: 409
Borkenstein M: 3834
Bornet EP: 4154
Bornet H: 3457
Bornstein J: 2790
Boroian RG: 2622
Boron WF: 410
Boroomand K: 355
Borrone C: 1260
Borrowska MJ: 1803
Bortoff A: 411
Bosc M: 960
Bosch AM: 412
Bosch Y: 413
Boschero AC: 3570
Bose R: 333–334, 3686
Boskoff KJ: 414
Boss M: 4232
Bossard EH: 3746
Bossuyt A: 4133
Bost M: 118
Bösze ZS: 4170
Bot G: 1285
Botella-Llusia J: 2849
Botham GM: 3190
Bothwell MA: 415
Botsford JL: 416
Bottazzo GF: 417
Bottenfield G: 418
Böttger E: 419
Botting HG: 2679
Bottoms GD: 1091–1092
Bottone EJ: 2220
Boucaut P: 1262

Bouchard JP: 957
Bouchard R: 957
Bouchlas G: 2457
Bouckaert A: 420
Bougneres P: 421
Boulard C: 2455
Boullin DJ: 422
Boumghar M: 1350
Bounhiol JJ: 423
Boura A: 424
Boureau F: 843
Bourgeois M: 2992
Bourgeois P: 425
Bourgoignie JJ: 455, 1893–1894
Bourgoin A: 426
Bourin M: 2234
Bourne RC: 730
Bousquet J: 4145
Bouteiller G: 2548
Boutemy JJ: 533, 1152
Bouters R: 427
Boutin E: 2361
Boutroy JL: 428
Bouvier R: 2972
Bowen ET: 237
Bowman JM: 429
Bowman V: 390
Bown RL: 3136
Bownes M: 430
Bowser EN: 1525, 4336
Bowsher D: 431
Bowyer DE: 3246
Boxer LA: 432
Boyan-Salyers B: 1035
Boyd AE 3d: 3669
Boyd GS: 2505
Boyd H: 433–434
Boyer D: 882
Boynar JW Jr: 4298
Bracchi PG: 435
Brach EL: 3462
Bradbury MW: 3450
Bradford GE: 222
Bradley EL: 3962
Bradley LM: 2625
Brady RO: 2900
Braford MR Jr: 2973
Braier JL: 3406
Braithwaite GD: 436
Bramsen T: 991
Brancaccio D: 437
Branch B: 3122
Branch RA: 1284
Brandes JM: 438
Brandi A: 3012
Brandt LJ: 3786
Brandt M: 439
Brandt MR: 440
Brannon PM: 441
Branski D: 3352
Branton WD: 442
Brard E: 2233
Braren V: 443
Brasch RC: 4000
Brattin WJ: 3116
Bratusch-Marrain P: 444
Bräuer R: 803
Brauman H: 4133
Braun P: 854
Braun S: 3287
Brauner M: 293
Braunschweiger PG: 445
Braunstein GD: 2406
Brautbar N: 2260
Bravo E: 3931
Bravo EL: 2792
Brawer JR: 2737
Braxel K: 4140
Bray CL: 274
Bray GA: 446
Brazeau P: 3977
Brazy JE: 447
Breakefield XO: 233
Bréart G: 376
Brecy H: 2895
Breda JR: 2435
Breen M: 2032
Breheret J: 2234
Brehm P: 448
Bremel RD: 449
Bremner I: 450
Brendel A: 942
Brener ED: 4008
Brennan MF: 2378, 3781
Brenner BM: 254
Brenton DP: 451, 2657
Bresard B: 4031
Bressler RS: 452
Bretagne MC: 3257
Breton-Gorius J: 3254
Breuer H: 3332
Bricaire H: 453–454
Bricker NS: 455, 1892–1894
Brickman AS: 682
Brickman FE: 2265
Brida di Priò S: 731
Bridge PS: 787
Brien R: 2364
Brierley JB: 3156
Briggs M: 456
Brill AB: 151
Brilliantova SA: 457
Brindak OI: 458
Brinkley HJ: 3232
Brinley FJ Jr: 1576
Brisson-Lougarre A: 459
Britton DR: 460
Broadhead GD: 2716
Brochard P: 2280
Brock AP: 1268
Brocklehurst JC: 199
Brockmann J: 3559
Brod J: 461
Brodie G: 2424
Brodie JY: 462
Brodwick MS: 410
Bromley PA: 463
Bronson DL: 4315
Bronson R: 464
Brook CG: 1393
Brooker G: 2797
Brookes L: 3565
Brooks DE: 465
Brooks JR: 466
Brooks PM: 467
Brosens I: 468
Brosman SA: 703
Bross ID: 469
Broulík PD: 470
Broussin J: 487
Broux F: 62
Brown AE: 471
Brown B: 472
Brown BL: 3518
Brown BW Jr: 2117
Brown C: 115
Brown DR: 473
Brown E: 474
Brown EM: 3781
Brown GB: 97
Brown GM: 474–475, 493
Brown JB: 3261
Brown MC: 476
Brown MM: 1253
Brown PA: 477
Brown PS: 2930
Brown SI: 2659
Brown WA: 2232
Brown WT: 478
Brown Z: 4318
Browne CL: 479
Brownie AC: 480
Browning M: 481
Brownlie SA: 482
Broyer M: 195, 3765
Brozmanová-Kokešová H: 2034
Brtko J: 2035
Bru JB: 2548
Bruchacki J: 483
Brucher JM: 3006
Bruder G: 484
Brueggemeier RW: 485
Brulle D: 1311
Brumleve SJ: 4479
Brumley GW: 447
Brun JM: 1860
Brunat-Mentigny M: 2546
Brundin J: 486
Brunello N: 61
Bruneton JN: 487
Brunette MG: 488
Bruni JF: 489, 2493
Brunner HR: 1792, 4075
Brunngraber EG: 993
Bruno F: 318
Brunt JD: 2632
Bruntsch U: 490
Brussee P: 4324
Bryan EM: 491
Bryan PR: 1306
Bryans CI Jr: 2778
Bryant RW: 492
Brykova EK: 457
Brym E: 1105
Buachidze TSh: 2170
Bubenik GA: 493
Buch NC: 4114
Buchan P: 2025
Buchanan GC: 933
Buchi K: 494
Buchsteiner R: 4461
Buckingham JC: 495
Buckingham MS: 2665
Buckland RM: 496
Buckman MT: 497
Bućko J: 230
Bucourt R: 498
Bucur G: 4160
Buda JA: 499
Buda RE: 185
Budinger JM: 97
Bueding E: 594
Buehring GC: 3045
Buergelt CD: 500
Buffa R: 3757
Buffam FV: 501
Buge A: 502
Bugnard E: 3406
Bugnon C: 372
Bugrilova RS: 503
Buhi WC: 3775
Buhl AE: 504
Bühler F: 854
Buhler MI: 2270
Buĭko AS: 3973
Buirchell BJ: 505
Bukovsky A: 506
Bulbrook RD: 2173, 3945
Buletsa BA: 507
Bulfield G: 508
Bulger WH: 509
Bullier R: 813
Bullimore JA: 3887
Bullock DW: 510
Bullock LP: 511
Bulman DC: 512, 935
Bulygin IA: 513
Bunch WH: 1113
Bundi A: 514
Bundschu HD: 3086
Buniatian AF: 3227
Bunko H: 2053–2054
Bunnag S: 1752
Bunney WE Jr: 2401, 4146
Buño W Jr: 1249
Bunting S: 4380
Burch WM Jr: 515
Burckhardt P: 2283
Burdea M: 516
Burgdorf W: 4382
Burgener FA: 517
Burger HG: 3172
Burgess WH: 518
Bürgi H: 996
Burgos M: 3557
Burkatskaia EN: 519
Burke G: 1193
Burmeister P: 854
Burnbaum MD: 520
Burnett L: 115
Burns B: 4142
Burns ER: 1192
Burns PE: 2266
Burns TW: 521
Burroughs SF: 522
Burrows GD: 866
Burstein S: 523
Burt SK: 2356
Burton JL: 524
Burton MP: 1736

Burton RM: 525
Burzawa-Gérard E: 2475
Burzio LO: 526
Busch U: 1289
Buschke M: 573
Bush RS: 2451
Bushell AC: 527
Buss J: 3832
Busselen P: 528
Bussolati G: 529
Bustamante J: 530
Busto R: 2047
Busuttil RW: 531
Butcher JE: 544
Butez J: 400
Butkus A: 3711
Butler M: 532
Butt WR: 950, 1884
Butterworth RF: 1776
Buttery PJ: 4175
Buvat J: 533, 1152
Buxton M: 776
Buzzoni M: 4035
Byar DP: 3546
Byers B: 534
Bygrave FL: 535–537, 3737
Bykova GV: 538
Bymaster FP: 4372

C

Cabanillas F: 539
Cabezas-Cerrato J: 540
Cabot CL: 541
Cadenhead DA: 1951
Caen JP: 3254
Cagen L: 4377
Caille JM: 1585
Caille JP: 3052
Cairns SA: 923
Calderini G: 60, 542–543
Caldicott WM: 3021
Caldwell DF: 664
Call JW: 544
Callard P: 600
Callen JP: 609
Callís L: 4189
Calmettes C: 1854
Calne DB: 2856
Calvet P: 2733
Camanni F: 2507
Camarero E: 540
Cambiaso R: 3665
Cambier J: 843
Cambier L: 320
Cameron EH: 4012
Cameron HU: 692
Camicas JL: 1707
Camitta BM: 545
Cammarella I: 2722
Camp DC: 1927
Camp E: 4246
Camp R: 1385
Campanini G: 435
Campbell AK: 144, 546
Campbell DR: 547
Campbell GD: 1370
Campbell GT: 548–549, 2681
Campbell IC: 2720
Campbell JB: 550
Campbell JG: 482
Campbell JK: 450
Campbell MD: 551
Campbell WA: 3150
Campbell WG Jr: 552
Campbell WH: 553
Campos ME: 554
Campra JL: 555
Canales ES: 4453
Canas EP: 60
Candido EP: 4376
Canellos GP: 4433
Cangiano JL: 556
Canguilhem B: 1330
Canick JA: 215, 557
Canivet M: 2227
Canterbury JM: 1892–1894
Cantin M: 279
Capco DG: 1811
Capdeville R: 558
Capella C: 3757
Capen CC: 1915
Capitanio A: 2974
Cappoen JP: 835
Caputi AP: 559
Capuzzo A: 219
Carafoli E: 2802
Carayon A: 560
Carbone D: 3269
Carbone PP: 663, 1735
Carcano G: 337
Carchedi F: 2552
Carchman RA: 1017
Cardenas A: 2649
Cardo P: 2674
Care AD: 366, 1158
Carella A: 79
Carinci P: 4035
Carino MA: 1678–1679
Carlson HE: 561, 2260, 2310
Carlsson A: 542–543, 562, 1250
Carlsson AM: 2585
Carlsson CA: 563
Carlström K: 564
Carlton WH: 2729
Carman FR Jr: 3215
Carmel PW: 565
Carmel R: 727
Carminati R: 1301
Carmody PJ: 2151
Carneiro L: 841
Carnelli V: 220
Carney A: 566
Carney JA: 567
Carnmalm B: 568
Caro JF: 569
Carol W: 3011
Caron C: 1184
Carpenter JR: 570
Carr D: 571
Carr RH: 3984
Carr SR: 1159
Carrara MC: 2950
Carraway R: 572
Carretero F: 50
Carrez JP: 3084
Carriere R: 573
Carroll BJ: 574
Carroll HJ: 2871
Carroll PR: 575
Carruth JA: 576
Carruthers JA: 577
Carter DC: 578
Carter DR: 579
Carter G: 3131
Carter S: 3019
Cartier F: 580
Cartwright AG: 1780
Caruso A: 4035
Casacchia M: 2552
Casadevall N: 4156
Casanova P: 285
Casanueva F: 540
Casati S: 437
Case DB: 581, 4239
Caspi E: 3444
Cassar J: 582
Castanier M: 3961
Castay M: 583
Castel Y: 62
Castillo J: 2850
Castillo-Fenoy A: 278
Castillón MP: 585
Castner BJ: 668
Castracane VD: 584
Castrillo JM: 884
Castro A: 2850
Castro de Souza EM: 3317
Catalán RE: 585
Cataland S: 3694
Catellani JE: 586
Cater JI: 3427
Cates W Jr: 587
Catizone L: 4481
Catlin DH: 588, 1361
Catovsky D: 1343
Catt K: 928
Catt KJ: 819, 3094
Catto E: 61, 774
Catz B: 4315
Cava EF: 589
Cavaillé F: 590
Cavanagh D: 1619
Cavanaugh KP: 1660
Cavestri RC: 4361
Cawood M: 760
Cecchettin M: 591
Cécile JP: 3765
Cedarbaum JM: 592
Cederqvist LL: 593
Celis ME: 4198
Celso de Lima W: 3317
Cerdán A: 50
Ceriani RL: 3045
Cerlek S: 3363
Cerletty J: 267
Cesar FP: 4231
Ceserani R: 338
Cesselin F: 3012
Cevallos EE: 2666
Cha YN: 594
Chabellard JP: 813
Chabner B: 688
Chabner BA: 595, 1835, 4433
Chabrolle JP: 596
Chader GJ: 1130
Chadwick A: 1536
Chagas C: 2893
Chagrasulis R: 2645
Chaignon M: 1433
Chailley J: 2109
Chaimas N: 1533
Chait MM: 597
Chakrabarti DK: 1294
Chakrabarty K: 1095
Chalabala M: 3852–3853
Chalermisarachai P: 3941
Challand GS: 1380
Chalvignac A: 2311
Chambers DA: 1190
Chambers DJ: 598
Chamley WA: 3947
Champagnat J: 599
Champault G: 600–602
Chan JC: 603–605
Chan L: 606
Chan M: 488
Chan MY: 607
Chan P: 1303
Chan SH: 4419
Chan V: 608, 4248–4250
Chanda JJ: 609
Chandra RK: 610
Chandra WJ: 2885
Chandrasekkhar K: 409
Chang C: 3537
Chang CC: 611
Chang CM: 652
Chang MC: 3424
Chang RJ: 3662
Changaris DG: 3583
Channing CP: 612–613, 2337, 2369, 3840
Chapel TA: 929
Chapler FK: 3615
Chapman VM: 4306
Chapman-Alexander J: 3111
Chapov AV: 2897
Chard T: 3666
Charles D: 206
Charlesworth B: 614
Charlet M: 1344
Charrier B: 2479, 3914–3915
Charro-Salgado AL: 1806
Chase HP: 763
Chase RA: 1502
Chase TN: 2856
Chatel A: 615
Chatterjee A: 239, 616, 1449
Chatterjee T: 617
Chatterjee TK: 618
Chaturachinda K: 3109
Chaudhari A: 619
Chaudhary BA: 1011
Chaudhary KC: 1294
Chaudhuri G: 1009
Chauvergne J: 988
Chavin W: 620
Chayen J: 598
Cheah AM: 621

Cheah JS: 4419
Cheah KS: 621
Cheban AK: 3716
Chebroux P: 3505
Check W: 622–623
Chekman IS: 624
Chekunova MP: 625
Chen IW: 473
Chen JK: 626
Chen LJ: 1496
Chen SF: 3825
Chen TJ: 2250
Chen TL: 627
Chen YU: 2625
Chenault CB: 1339
Cheng A: 631, 1927
Cheng E: 628
Cheng HF: 3828
Cheng JT: 629
Cheng SL: 4310
Cheng VS: 630
Cheng WS: 631
Cherevishnik ZhV: 632
Chern SI: 2332
Chern YF: 2332
Chernayaev GA: 633
Chernega MIa: 2593
Cherniavskaia GIa: 3101
Chernow B: 634
Chernukha EA: 457
Cherry KJ Jr: 635
Chesnais JM: 636
Chesney RW: 637, 2908
Chessebeuf L: 1860
Cheung AH: 441
Cheung CP: 4387
Chèze G: 638
Chhina GS: 1259, 2456
Chiang CH: 1704
Chiba S: 1764
Chiba T: 5
Chiciński E: 4262
Chikamori K: 2627
Chikhladze NM: 3642
Childs GV: 639
Chin WW: 640
Chiossi FM: 641
Chisholm GD: 1293
Chitkara NL: 2743
Chlapowski FJ: 642
Chmel H: 643
Chmura J: 2485
Cho CH: 2870
Cho H: 644
Cho JT: 645
Chocha A: 646
Chocholoušová J: 1534
Cholewa M: 2485
Choma P: 3175
Chopard A: 812
Choromokos E: 2348
Chou HF: 647
Chou JY: 648
Chou MD: 895
Choudhary VP: 649
Chowdhury A: 4287
Chowdhury AK: 3958–3959, 4484
Chowdhury M: 847, 3958–3960
Choy M: 1354
Chrétien M: 3483
Christ F: 987
Christensen NJ: 650, 3835
Christiansen C: 371
Christodoulou GN: 3291
Christoforov B: 4156
Christophe J: 3302, 4139
Christophe JP: 3301
Christopher MA: 3088
Chrow L: 651
Chrpová M: 1499
Chu EW: 631
Chu HH: 652
Chu TM: 3451
Chua FS: 653
Chua TS: 4375
Chuang SM: 654
Chung A: 3949
Chung EE: 2666
Chung MR: 2127
Chung SO: 3400
Chung WJ: 655
Chupin L: 656
Church JA: 3274
Chwalisz K: 230
Chylack LT Jr: 1401
Chyn LC: 1862
Cicero TJ: 3149
Cichoń S: 3899
Cidlowski JA: 522, 657
Cifuentes Delatte DL: 658
Cima ME: 841
Ciment G: 659
Cimis R: 660
Cines DB: 661
Cirdei E: 516
Ciric IS: 2880
Cisło MA: 662
Citrin DL: 663, 1643
Claes G: 1583
Claeys MM: 2723
Clancy JJ: 664
Clark AF: 355, 3969, 4142
Clark AN: 665
Clark CE: 741
Clark JH: 666–667
Clark JS: 4136
Clark MR: 4038
Clark OH: 668
Clark RB: 669
Clark RM: 670
Clark RW: 671
Clarke RS: 1079
Clastrat B: 2233
Claus R: 3472
Claustrat B: 2672
Clayman L: 672
Clayson DB: 673
Clemens JA: 1215
Clemens LE: 3662
Clement-Cormier YC: 674
Clerico A: 851
Cleton F: 2173
Clifford PJ: 620
Clifton KH: 675, 1368
Climent F: 4309
Clinch J: 676
Clipsham PJ: 677
Clos J: 678
Clover L: 2629
Clyman RI: 679
Coakley AJ: 680
Coalson JJ: 681
Coburn JW: 682, 2260, 2835, 2843
Cocchi D: 1301
Cochran M: 3394
Cochrane JP: 683
Cochrane RL: 3135
Cockle SA: 684
Coe EL: 655, 2258
Coelingh Bennink HJ: 685
Coevoet B: 1154
Coffey DS: 846, 3201–3202
Coghlan JP: 1055
Coglitore S: 134
Cohan SL: 1273
Cohanim N: 3902
Cohen HJ: 257
Cohen J: 686
Cohen KL: 687
Cohen M: 688
Cohen MS: 2909
Cohen PP: 2680
Cohen SL: 689
Cohn SH: 71
Colantino M: 3771
Colapinto RF: 849
Colás AE: 3600
Colby HD: 1402, 3386
Cole DE: 639
Cole P: 2105
Colette C: 656
Colin J: 690
Colina-Chourio J: 2764
Collado F: 691
Collenot A: 297
Collenot G: 297
Colley J: 692
Collins AJ: 693
Collins M: 4158
Collins PM: 694
Collins R: 4417
Collins WP: 694
Collins WT: 1915
Colman OD: 695
Colman RW: 696, 3689
Colombo JA: 697
Colt E: 645
Colwell WT: 735
Comai K: 3870
Combarnous Y: 698
Combs GF: 4261
Combs KJ: 3072
Comhaire F: 699
Comparatore D: 1138
Conde S: 700
Conklin M: 701
Conn HO: 1420
Connelly J: 3078
Connolly JF: 702
Connor G: 703
Connor JS: 3976
Consolazione A: 60
Consolo F: 134
Constantinides A: 1348
Constantopoulos A: 704
Conte FA: 705
Conte-Devolx B: 2894
Conti A: 3807
Conti J: 22
Conti MA: 24
Contini C: 3844
Contreras E: 720
Convey EM: 2953
Cook B: 706
Cook LJ: 2784
Cooke RT: 707
Coon WW: 814
Cooper CW: 397, 2338
Cooper DM: 1323, 2362
Cooper MR: 2728
Cooper RA: 687, 1436, 3604
Cooper RM: 2934
Cooper S: 2814
Cooper W: 708
Cooperman C: 709
Coore HG: 1715
Coote JH: 710
Coovadia YM: 711
Cope O: 712
Copinschi G: 2317
Copley AL: 713
Coppen A: 714
Coppings RJ: 2129
Coquil JF: 1490
Coraboeuf E: 636
Corash L: 722
Corbin A: 715
Corbino N: 716
Cordes U: 3059
Cordova C: 2722
Corenblum B: 717
Corle DK: 3546
Cormon JR: 855
Corneo G: 718
Cornet JP: 1707
Corona F: 220
Corrales Hernández JJ: 2620
Corrao WM: 1750
Correa P: 3940
Correnti G: 719
Corrigan DF: 3876
Corriveau L: 157
Corson SL: 2623
Cort JH: 2997
Cortés A: 720
Corvilain J: 959, 1222–1223
Corvol MT: 1241
Corvol P: 3093
Corwin D: 1092
Coryn M: 427
Cosio L: 3378
Cospite M: 721
Costa E: 890, 1666
Costa JL: 722–724, 2720
Costa M: 725
Costa ND: 3743
Costain DW: 726
Costanzi JJ: 727
Costanzo LS: 728
Costas S: 1774

Costello W: 1735
Coté C: 1326
Côté J: 956
Cote TE: 729
Cotes PM: 730
Cottafava F: 731
Cotte J: 812
Coty WA: 3512
Cotzias GC: 2970
Couch JR Jr: 732
Coulam CB: 110
Coulombe P: 733
Counsell RE: 485
Coupland RE: 734
Courbil J: 560
Courrèges JP: 2576
Courtney KR: 735
Cousins RJ: 1053
Coutinho E: 736–738
Coutinho WG: 4116
Cove-Smith JR: 739
Cowan WM: 3448
Cowden EA: 740
Cowell HR: 741
Cowin SC: 742
Cox B: 743, 3817
Cox JE: 744
Cox R: 745
Cox RF: 746
Cox VS: 747
Coy DH: 460, 748, 847, 1806, 3240, 3576, 3960, 4190
Coyle JT: 3658
Coyne B: 3949
Coyne MJ: 3949
Cragoe EJ Jr: 341, 2453
Craik JC: 749
Cramer H: 750
Cramer OM: 3117
Cran DG: 2931
Crandall PH: 1479
Crane MG: 751–752
Cranford RE: 3087
Cranley MS: 753
Craven PA: 754
Craviso GL: 755
Crawford JD: 756
Crawford JP: 757
Creange JE: 3130, 3474
Creasman W: 1234
Cremer JE: 3450
Cremer-Bartels G: 758
Crenshaw MC: 447
Crepaldi G: 221
Crespo V: 759
Crighton DB: 1809
Crilly R: 760, 2490
Crim JW: 3039
Crim LW: 3039
Crine P: 3483
Cripps MH: 1475
Crisp AH: 761–762
Crkvenjakov R: 2276
Crnic LS: 763
Crocker AD: 764
Crocker EF: 765
Crockett S: 3694
Croft DN: 680
Croiset G: 4153
Cronlund M: 1513
Cronshaw J: 1660
Crosignani PG: 766
Crosnier J: 2109
Crouch TT: 4378
Crow TJ: 730
Croxatto HB: 767–768, 883, 3188
Croxatto HD: 768
Croyle PH: 769
Crue B: 1303
Cruess RL: 1667
Csaba G: 770
Csáky G: 189
Cserháti I: 4157
Csutak V: 773
Cuatrecasas P: 2607, 3497
Cudworth AG: 417
Cuello C: 3940
Cuisinier-Gleizes P: 2474
Cullen DR: 1470
Cullen P: 2695
Culman J: 771
Cumming RB: 194
Cummings KB: 1180
Cundy T: 3394
Cunnane SC: 1684
Cunningham C: 927
Cunningham M: 772
Cuocolo R: 2817
Cuparencu B: 773
Curcio M: 774
Currey HL: 775
Curtis GC: 776
Curtis RA: 2497
Curtiss PH: 1335
Cusan L: 2012
Cuthbertson DP: 777–778
Cutler EA: 1275
Cvitkovic E: 628, 3123
Cylwik B: 779
Cytawa J: 780
Cywiner-Golenzer C: 259
Czech W: 781, 1821
Czekała L: 3682
Czerniak P: 3404
Czernichow P: 782, 1218, 3220
Czorniuk A: 1822

D

Dabbs JM Jr: 783
Dacheux JL: 940
Daculsi G: 784
Dadkar VN: 2746
Daggett RB: 3800
Dahl O: 2399
Dahlem NW: 785
Dahlheim H: 786
Dahlman HL: 2967
Dain AR: 787, 4062
Dainat J: 788
Daitzman RJ: 789
Daizyo K: 1934
Dalén N: 790
Dalens B: 1369
D'Alessandro G: 3590
Dalessio DJ: 791
Daliphard P: 941
Dallman MF: 792
Dalquen P: 793
Dalton DP: 1108
Dalton RG: 3887
Dambacher MA: 68
Dambe LT: 3463
Dame WR: 794
Damiani G: 377
Damrongsak D: 3064
Dandona P: 795
Daneman D: 796
Danezis J: 797
Dani HM: 91
Daniel EE: 1257
Daniel JC Jr: 3115
Daniel JY: 153
Daniel R: 4076
Danielides IC: 798
Daniell J: 3191
Daniels JR: 2117
Danilov SM: 3563
Danilova OV: 2848
Danowski TS: 799–801, 3503
Dantzer R: 2692
Danz M: 802–804, 2375
Da Prada M: 805
Darby CP: 2174
Darga NC: 806
Darlington CD: 807
D'Armiento M: 1098
Darragh A: 854, 2187
Darwaj B: 2095
Das C: 2148
Das PK: 1531, 3568, 3686
Das SK: 2710
Das UN: 808
Das Gupta PK: 3787
Das Gupta TK: 35
da Silva AR: 736–737
Date J: 1085
Datta AG: 617
Datta S: 809
Daugbjerg PS: 810
Dauphiné TC Jr: 811
Davajan V: 3515
Davicco MJ: 223–224
David L: 3442
David M: 812
David-Chaussé J: 813
Davidoff GN: 814
Davidovitch Z: 815–816
Davidson DF: 817
Davidson DW: 2429
Davidson EM: 818
Davidson MM: 1539
Davies DL: 2336
Davies JL: 115
Davies TF: 819
Davies TW: 3445
Davis JR: 820
Davis LG: 993
Davis M: 1502
Davis MA: 1896
Davis P: 3648
Davis TE: 1643
Davis WL: 821
Davis WM: 822
Davison KL: 823
Davy D: 702
Dawkins RL: 824
Dawood MY: 825–826
Dawsey WJ: 1292
Dawson B: 1967
Dawson CA: 1413
Dawson G: 827
Day JO: 216
Day MD: 828, 1722
Dazord A: 829
Deakin JF: 830
Dean HG: 831
Dean PD: 2676
Dean S: 1551
DeAsis DN Jr: 832
De Backer M: 1222
de Beaujeu MJ: 2546
Debeljuk L: 1970
De Bellis R: 3406
DeBoer B: 4479
De Boissezon C: 2994–2995
Debré B: 833
de Bruyn HW: 2727
De Casas OI: 841
Decaux G: 834
Deck JD: 3285
Decoulx M: 835
Decourt J: 836
DeCrescito V: 550
Dectot H: 615
de Deckere EA: 4127
de Deuxchaisnes CN: 837
Deerberg F: 838
Deetjen P: 1399, 2204
de Fremont JF: 1154
de Gaetano G: 839
Degani S: 840
de Geeter B: 2578
DeGroot LJ: 3367
de Groot WP: 66, 2069, 2483
Degrossi OJ: 841
Deguchi M: 2646
Deguchi T: 842
Dehais J: 813
de Heer K: 383, 2039
Dehen H: 843
Dehnen H: 2021
Deisenhammer E: 844
de Jong FH: 4096
De Jong W: 845
DeKlerk DP: 846
de Kretser DM: 1651
de la Cruz A: 847, 3959–3960
de la Cruz MJ: 848
de la Fuente JR: 3351
de la Peña A: 1339
de la Sota F: 2407
Delafontaine D: 686
Delamore IW: 2619
Del Arbol JL: 1824
Delarue NC: 849
Delcambre B: 3650
del Castillo FJ: 850
Del Chicca MG: 851

De Leo V: 1279
de León González M: 4166
Delhumeau-Ongay G: 56
Deligdisch L: 852
Delitala G: 853, 3860
Delivoria-Papadopulos M: 2857
Delling G: 2393
Dellmann HD: 3677
Delorme G: 487
Delost P: 3013
de Lourdes Collado M: 1302
Del Pozo E: 854, 3530
del Río J: 700
Deltour G: 855
DeLuca HF: 637, 856, 2756, 2908, 3283
Deluty S: 4477
Delvin EE: 1319
Demangeat C: 3488
de Martini I: 1260
de Martino G: 2817
Dembińska-Kiěć A: 1430
De Meester P: 944
Demers LM: 857
Demet EM: 858
Demidov GI: 3375
Demidov VP: 859
Demonchy A: 860
de Montigny C: 861
De Moor P: 4143
Demopoulos RI: 862
de Moraes Neto MP: 3157
DeMott RK: 675
Đemura H: 863-864
Demura R: 863-864
Denavit-Saubié M: 599
Denayer P: 2317
De Nayer Ph: 459
Dende D: 4246
De Neef P: 3301
de Nicolás R: 125
Denisov IuP: 865
Dennerstein L: 866
Dennis PM: 4226
Dent RG: 867
Denton DA: 1055
Denton RM: 868
De Oliveira CF: 869
De Oliveira MH: 869
de Pont JJ: 3253
De Prins F: 4128
de Próspero JD: 3157
DeQuattro V: 4199
de Raay C: 4147
Derambure S: 3765
Derenoncourt FJ: 870
Derevenco P: 173
Derkx FM: 180
Derome G: 2282
de Rotte AA: 4153
DeRubertis FR: 754
de Sa DJ: 871
Desai M: 872
Đescamps JM: 2109
Deschaux P: 2672
Deschodt-Lackman M: 3302
Deschodt-Lanckman M: 3301
Desgrez P: 1439
Deshevoĭ IuB: 873
Deshpande YG: 1877
de Sijvarger SR: 3406
Desjardins JV: 1539
Deslandres D: 1860
Desmond PV: 1701
De Souza EB: 4148
de Souza VF: 4232
Dessaint JP: 874
Detering-Hübner B: 1280
de Torrenté A: 310, 875
Dettmar PW: 472
de Turckheim M: 1808
de V. Hendrickse JP: 1855
Devalle G: 1297
deVeber GA: 4167
de Vellis J: 659, 2408
Devergie A: 1321
Devi PK: 2555
Devis G: 3570
DeVita VT Jr: 1835, 4433
Devogelaer JP: 837
de Vries A: 3780
de Vries J: 2713
de Vries JA: 2726
Devynck MA: 876
Al-Dewachi HS: 4386
Dewailly D: 2341
de Wied D: 393
DeWitt J: 3971
De Wolf M: 877
De Wolf MJ: 878
Dey PK: 2650
Deykin D: 3296
Dhalla NS: 1531
Dhar SK: 879
D'iakov IuT: 3891
Diamant YZ: 880
Diamond B: 377
Diamond BI: 881
Diamond L: 882
Dianoux L: 2227
Díaz J: 883
Díaz JL: 1738
Díaz M: 4125
Díaz S: 767-768, 883
Diaz SC: 3616
Díaz Curiel M: 884
Díaz-Infante A: 850
Díaz Luna P: 4166
Dickerman HW: 2147
Dickson RA: 3511
Diddle AW: 885
Didolkar SM: 2151
Dieckmann G: 886
Diehl JT: 2470
Diehm K: 4357
Diem E: 3010
Diengott D: 438
Dieppa RA: 887
Dierick W: 877
Dierks-Ventling C: 888
Dierschke DJ: 4280
Dietschy JM: 93
Dietz J: 1866
Diez Jiménez L: 889
Di Giulio AM: 890, 1666
Di Gregoli A: 891
Dijkhuizen DM: 412
Dijkstra J: 892
Dikman S: 2220
Dilley WG: 4294
Di Lollo F: 893
di Martino L: 3945
Dimopoulos C: 3543
Dinan B: 1823
Dinbar A: 894
Diner H: 895
Dinesen B: 2333
Dinges HP: 896
Diop B: 3437, 3441
D'Iorio A: 1883
Di Prisco B: 1098
Dirks JH: 897, 3878
Dirmikis SM: 1659, 2716
Di Roberto P: 3403
DiSaia PJ: 1234
di Sant'Agnese PA: 1708
DiScala VA: 1524
DiSorbo D: 898
Distler A: 3059
Divinetz-Romero S: 3276
Dix CJ: 899
Dixit VP: 900
Dixon AS: 2807
Dixon GH: 1271, 2309
Djøoseland O: 1356
Dluhy RG: 3871
Dmitrenko NP: 901
Dobbie JW: 740
Dobbins MF: 4029
Doboszyńska T: 2132
Dobranowski J: 236
Dobronravov AS: 2056
Dobrovol'skii AB: 902
Dobrzanski T: 903
Dobrzyńska-Ogniewska W: 937
Dobson JG Jr: 904
Dobson PR: 472
Docherty JP: 4146
Dodds WJ: 905
Dodi G: 906
Dodríguez Cuartero A: 907
Dodson KS: 908
Doe RP: 3546
Döge D: 909
Döhler KD: 495, 910
Döhler U: 910
Dohlman CH: 917
Doicas J: 3543
Doig JA: 2422
Doine AI: 4191
Dokov D: 4058-4059
Dol ML: 3132
Dolejší V: 3447
Doliński J: 344
Dolisi B: 2311
Doll DC: 911
Dombrádi V: 1285
Domellöf L: 912
Dominic CJ: 2745, 2962
Dominis M: 3363
Donahue PE: 35
Donald DE: 258, 913
Donald RA: 3541
Donaldson ES: 4149
Donaldson VH: 3082
Donat JF: 914
Donde SM: 4449
Donev N: 3048
Doniach D: 417
Donnelly S: 2194
Donnelly TE Jr: 915
Donnelly WH: 1653
D'Onofrio F: 1312
Donohue JA: 552
Donoso AO: 916
Donovan EF: 473
Donshik PC: 917
Donskikh NV: 3866
Donta ST: 918
Dontsova GV: 1732
Doppman JL: 954, 3781
Dorantes L: 2136
Dorche C: 812
Dore M: 4193
Dorfman R: 961
Dormer RL: 546, 4339
Dorn D: 1202
Dörner G: 919-920
Dornhorst A: 921
Doroshenko PA: 922
Dosa S: 923
Dosch HM: 924
Dosik H: 4173
Doss LL: 925
Dostál J: 4178
Dostrovsky JO: 1706
D'Ottavio G: 926
Doty P: 2276
Dougherty CM: 927
Douglas AM: 3634
Douglas J: 928
Douglas SD: 3273
Douglas WW: 3944
Dousa TP: 930
Dowda H: 2517
Dowling JP: 1300
Downham TF 2d: 929
Downs RW Jr: 3781
Dozier TS: 1339
Dozois RR: 930
Draghi E: 130
Drago JR: 931
Drake HL: 932
Drake TS: 933
Dralle H: 383
Dray F: 1418, 2474
Drayer J: 291
Drayer JI: 4239
Drenick EJ: 934
Dresner JH: 1291
Drew SB: 935
Drews U: 3785
Drexler M: 416
Driscoll J: 936
Driskell JA: 3939
Drop R: 3899
Drouillard J: 487
Drożdż H: 937
Drüeke T: 4475
Drummond AH: 1359
Druse MJ: 1102

Dry J: 938
Drzewiecka B: 2046
Dssetor JB: 3975
Du Boeuff JA: 2905
Du Bois MB: 1241
du Moulin A: 3526
Du Pont J: 1218
Duane DD: 3351
Dube L: 2973
Dubewar DM: 939
Dubois MP: 269, 940
Dubois PM: 269
Dubost C: 941
Duby RT: 1326
Ducassou D: 942
Duce IR: 943
Ducheyne P: 944
Dučić V: 945
Duckett S: 946
Duckworth JW: 2197
Dudkiewicz J: 947
Dudley RA: 948
Duello TM: 3615
Dufau ML: 819, 3094
Duff B: 64
Duffey PS: 949
Duffy T: 1494
Duignan NM: 950
Duke JH Jr: 1038
Duket LH: 552
Duma I: 773
Dumbaugh VA: 3775
Dumont JN: 479
Dumont M: 3132
Dunaev VG: 2793
Duncan CJ: 3806
Duncan JR: 500
Dundee JW: 1079
Dunham J: 598
Dunlap K: 951
Dunn AJ: 952
Dunn PM: 3129
Dunn WJ 3d: 953
Dunner DL: 645
Dunnick NR: 954–955
Dunwiddie T: 481
Dupont A: 956–958
Dupont J: 3457
Dupont P: 959
Dupont W: 425
Durand M: 988
Durand P: 960
Durando C: 1297
Durant JR: 961
Durasin I: 1187
Durdel R: 1944
Durdik JM: 1579
Duron F: 962
Durst J: 963
Dusak BA: 1436
Düsing R: 2102
Dussault RG: 2299
Dusting GJ: 964
Dutilh CE: 4127
Dutourné B: 401
Dutta AS: 965
Duursma SA: 4150
Duval D: 3065
Duval J: 1962
Duvivier J: 3368
Dvorak HF: 2911
Dvořák K: 966
Dvořák P: 1499
Dyer RD: 3600
Dyon JF: 118
Dyring-Andersen K: 967
Dzhokhadze DI: 1332
Dziedzic-Gocławska A: 2942
Dzieniszewski GP: 968
Dzizenko SN: 107

E

Eaglstein WH: 969
Eames PG: 2252
Earnest DL: 1496
Eastin WC Jr: 970
Eastment CT: 971
Easton PM: 3427
Eaton JW: 2008, 3216
Eaton RP: 3471
Ebel H: 1600
Ebeling D: 854
Ebert C: 909
Ecanow B: 3655
Echanojauregui AD: 3120–3121
Ecke H: 972
Eckert M: 4088
Eckert R: 448
Economacos G: 3543
Eddy TP: 973
Edelbaum D: 703
Edelin K: 3586
Edelstein S: 974–975, 2919, 4286
Edén S: 976
Eder M: 977
Edgerton MT: 978
Edis AJ: 3283
Edmonds JP: 979
Edmonds MW: 3950
Edmondson DE: 3681
Edna TH: 4365
Edozien JC: 980
Edson JR: 693
Edvabnaia EM: 981
Edvinsson L: 982
Edwards CR: 3860
Edwards DJ: 983
Edwards GB: 744
Edwards OM: 867, 1380
Edwards RG: 1157
Edwards RL: 950, 1884
Eechaute W: 2180–2181
Efendić S: 984, 2386
Efimenko LP: 2065
Eganova VS: 985
Egashira Y: 3639
Egbunike GN: 986
Egdahl RH: 159
Egedorf J: 371
Eggena P: 3982
Egger H: 987
Eghbali H: 988
Egi S: 989
Egly JM: 990
Egorov IA: 2443
Egorova VI: 2056
Egorova VV: 633
Eguía Lis MC: 1248
Ehlers N: 991
Ehrhardt AA: 992
Ehrlich RM: 796, 2306
Ehrlich YH: 993
Ehsanullah RS: 4078
Eibach E: 994
Eich R: 2663
Eichenberger D: 26
Eichenbrener Y: 995
Eigenmann F: 996
Eik-Nes KB: 2713
Eiler H: 997
Einstein AB Jr: 1529
Eipper BA: 998
Eisenbeiss JA: 999
Eisenfeld AJ: 1000, 4283
Eisenmenger W: 1001
Eisenstein E: 1002
Eisler T: 2856
Eisman JA: 2908
Ekelund L: 593, 1634
Ekert H: 1003
Ekeström S: 2830
Ekins RP: 1305, 3518
El Bab MR: 1004
El Etreby MF: 1004
El Kabir DJ: 795
El Seifi S: 1389
Elattar TM: 1005–1007
Elberg AJ: 1008
Elde R: 1650, 3527
Elder MG: 1009
Elemo AO: 986
Elfellah MS: 1010
Elfvin LG: 3527
Elguindi AS: 1011
Eliahou H: 995
Elias L: 1012
Eling TE: 619
Elke M: 793
Ellar DJ: 1644
Ellefson CR: 1013
Ellenberger C Jr: 1014
Ellendorff F: 1021
Elling F: 1048
Elling H: 1015
Ellingboe J: 2575
Ellis D: 1016
Ellis EF: 1017
Ellis G: 1018
Ellis K: 71
Ellis PP: 1166
Ellis S: 2670
Ellison GW: 1019
Ellory JC: 4342
Ellwood DA: 2634
Elomaa I: 1020
Elsaesser F: 1021–1022
Elsässer W: 2021
Elsner C: 1131
Elson MK: 4152
Elstein M: 2665
Elte JW: 1023
Elvehjem RS: 1454
Emanuel RL: 1024
Emmertsen K: 1025
Emmett M: 1026
Emmrich P: 1027
Empey DW: 1028
Emrich HM: 786
Emson PC: 3262
Enami J: 1918
Endo M: 1029
Endo S: 1938
Endo T: 1030, 1930
Endo Y: 1885
Endre C: 1031
Enein AA: 4418
Eneroth P: 1224–1225, 4227
Engel LW: 4033
Engel RM: 2306
Engeland WC: 792
Engineer DM: 1032
England RJ: 1033
Engvall E: 3392
Enjalbert A: 1034, 3377
Ennever J: 1035
Entman ML: 4154
Enzi G: 221
Enzmann DR: 2836
Epand RM: 684
Epelu-Opio J: 1036
Eppenberger U: 1709
Eppinger-Helft M: 3406
Epshtein EV: 3715
Epstein AN: 1037
Epstein M: 455
Erdös EG: 4345
Erecińska M: 2814
Erickson GF: 3727
Erickson RR: 4040
Ericsson CD: 1038
Ericsson E: 99
Eriksson L: 1357
Eriksson M: 1039
Eriksson T: 1039
Erkkola R: 2192–2193
Erlandson RA: 2985
Erlinger S: 3132
Ermak NM: 4109
Ermisch A: 1601
Ernström U: 1175
Eronen M: 2193
Esakov AI: 3760
Esbrit P: 884
Escher EH: 1040
Escobar V: 1041
Escobar-Jiménez F: 1824
Escudero B: 298
Eskildsen PC: 2237
Eskin A: 719
Espey LL: 1042
Espinal BR: 2219
Espiner EA: 2390, 3541
Espinosa E: 525
Esposti ED: 4481
Esquivel R: 1057
Esser PD: 1838
Estenoz Alfaro J: 889
Etches P: 2632

Etevenaux J: 4156
Etgen AM: 1043
Etingof RN: 2071
Etta KM: 2437, 3683
Ettenger RB: 2447
Etzion Z: 4392
Evain D: 3410
Evangelisti R: 4035
Evans AJ: 3033
Evans CA: 1044
Evans JP: 1045
Evans RH: 4223
Everitt AV: 2343
Everitt BJ: 1225
Evrard M: 1046
Ewen LM: 4414
Ewing TL: 3722
Ewins JH: 1927
Eyer CL: 1047
Eyre P: 1507
Ezdinli EZ: 1735
Ezrin C: 2088

F

Faarup P: 1048
Faber J: 1049, 2000
Faber JJ: 349
Fabre C: 1050
Fabre S: 1290
Fabri ZI: 507
Facchinetti F: 1051
Fachet J: 4170
Faddeeva EN: 2056
Faerø O: 2933
Fagan JM: 1052
Fagiolo U: 906
Failace R: 3406
Failla ML: 1053
Faille A: 1321
Faiman C: 4356
Fain JN: 2446
Fajolu O: 226
Faladová L: 4196
Falaschi P: 2552
Falda Z: 3521
Fallon JH: 2314
Famaey JP: 1142
Fan DF: 1054
Fan JS: 1055
Fanchenko ND: 3411
Fanciullacci M: 3651
Fanelli C: 168
Fang VS: 1056, 2567–2568
Fanghanel-S G: 1057
Farber M: 1058
Farber TM: 4282
Farese RV: 1059
Farfel Z: 1060–1061
Farhi RL: 1062
Farid NR: 1063
Farini R: 906
Farley JM: 1064
Farmer SW: 1236
Farner DS: 2592
Farnham W: 2457
Farookhi R: 3272
Farooqui AA: 1065
Farrell DJ: 194
Farrell PM: 1708
Farrell RE: 1084, 2338, 4294
Farrington K: 1066
Farrokhsiar M: 3902
Farrow BR: 64
Fasco MJ: 1067
Fasella P: 2945
Fassina G: 1068
Fatourechi V: 4119
Faucounau N: 3836
Fauer RB: 1069
Faul P: 1070
Faulk WP: 2517
Faundes A: 1071
Fauré C: 293
Faustov LA: 1072
Fauteux P: 157
Fauvet JE: 3083
Favier G: 4115
Fayez J: 3771
Fayez JA: 1073–1074
Fazzini G: 893
Febres F: 3662
Fedder W: 2579
Feder HH: 1075
Fedianin IuP: 1076
Fedinec AA: 1992
Fedorov AN: 1340
Fedotov VP: 1077
Fedtsova NG: 1078
Fee JP: 1079
Feer H: 4359
Feigelson M: 1080
Feigelson P: 1081
Feigl W: 3664
Feil PD: 857, 1804
Feind CR: 870
Feiner HD: 378
Feingold M: 1275
Feinmark SJ: 492
Feit JP: 812
Fekete MI: 1082
Fekson EG: 1871
Feldman JM: 1083–1084
Feldmann J: 475
Feldt-Rasmussen U: 1085
Feller DR: 2929, 4361
Feller H: 2601
Fellmann D: 372
Fellows G: 2695
Felt V: 1086, 2774
Femppel J: 1087
Fenton S: 1088
Feramisco JR: 1089
Ferenci P: 2070
Ferguson JC: 1090
Ferguson JL: 1091–1092
Ferguson MM: 1093
Ferguson RK: 1792, 4075
Fergusson IL: 1625
Ferin M: 565, 1724, 4329
Ferland L: 1224, 2179
Fermandjian S: 2733
Fernàndez Bellenilla J: 3434
Fernandez-Corugedo A: 1496
Fernández-Cruz A: 1806
Fernández-Lazala R: 4453
Fernandez-Rocha L: 243
Fernández-Tomé MP: 700
Fernstrom JD: 1094
Ferran JL: 2760
Ferrara F: 721
Ferrari RA: 1095
Ferraro JW: 1096
Ferreira SH: 2655
Ferri C: 275
Ferriere C: 488
Ferris TF: 1097
Ferro RM: 560
Fertel R: 460
Ferulano GP: 1098
Fessler JH: 1099
Fessler LI: 1099
Fessler RG: 2567
Festen HP: 2190
Festenstein H: 417
Fetter AW: 1096
Fetterer R: 3003
Feuer G: 1100
Feurle G: 3672
Few JD: 1101
Fialkovskaia LA: 3720
Ficková M: 2414
Fieve RR: 645
Figlewicz DA: 1102
Figlewicz DP: 1103
Figueroa I: 1352
File SE: 1104
Filipecki S: 1105
Filipek C: 4456
Filipov P: 1106
Filippi G: 3288
Filkins JP: 1103
Fillastre JP: 1325
Fillenz M: 282
Filosa S: 103
Filter BJ: 814
Fincham N: 1385
Finco DR: 1107
Findlay JK: 3193
Fine LG: 455
Fine RN: 2447
Fingerman M: 1108
Finin VS: 1109, 2061, 4209
Fink A: 484
Fink G: 1110
Finkielman S: 2744
Finlay JB: 1111
Finn CA: 2496
Finn FM: 1641
Finnis W: 355
Fiore L: 1034
Firat T: 1112
Firlit GS: 1113
Firmin PB: 1114
Firsov BM: 1871
Firsova PP: 4106
Fisch U: 1115
Fischbach GD: 951
Fischer AG: 2261
Fischer DS: 1116
Fischer HW: 517
Fischer JA: 1424
Fischer PW: 3819
Fischer-Dzoga K: 1117
Fischman AB: 1616
Fischman AJ: 193
Fisher ER: 799–801
Fisher JW: 1118, 1139
Fisher RI: 1835, 4433
Fishman J: 1119
Fishman PH: 2900
Fisler JS: 934
Fitch W: 1120
Fitzgerald RH Jr: 1121
Fitzpatrick FA: 1122
Fitzpatrick PJ: 1200
Fitzsimons JT: 1123
Fivizzani MA: 2756
Fixley MS: 1124
Flagiello A: 2916
Flaherty JT: 363
Flakiewicz-Kula A: 1125
Flamenbaum W: 2829
Flamm ES: 550
Flecknell PA: 1126
Fleisch H: 398, 1127, 1270
Fleischer AS: 1128
Fleischman AR: 1129
Fleischmann G: 4309
Fleming JW: 3186
Flenker I: 3277
Fletcher RT: 1130
Flickinger GL: 1131, 3845
Fliegner JR: 1132
Flint AP: 1133
Flitcraft JG: 4288
Floman Y: 1134
Flore O: 3108
Florence MK: 2758
Florentin RA: 3990
Florescu A: 4160
Floret D: 1135
Florey E: 1136
Florini JR: 1435
Flower RJ: 365, 1137
Floyd EE: 485
Flynn M: 2617
Flynn MJ: 2997
Foell TJ: 715
Fogarty DC: 2133
Fogel M: 3485
Foix A: 1138
Fojaco RM: 243
Folco GC: 3773
Földes I: 1963
Földes O: 2210
Foley JE: 1118, 1139
Folstein MF: 1140
Fonlupt P: 2498
Fonnum F: 1
Fonshtein LM: 1141
Fontaine A: 2299
Fontaine J: 1142
Fontaine YA: 2475
Fontaine-Bertrand E: 2475
Fontana P: 3757
Fontanges R: 2672
Fontolliet C: 1350
Foote RH: 1394, 1664, 3469

Forbes GB: 1143
Forcier RJ: 1144
Ford GC: 405
Ford K: 1145
Ford-Hutchinson AW: 818
Foreman MM: 1146
Foreman PA: 1147
Foresman KR: 3115
Forn J: 3658
Fornasier VL: 1148
Forno LS: 1149
Forrest AP: 1150, 3306
Forristal J: 3082
Forsbach G: 4453
Forsgren B: 120, 1151
Forsham PH: 3162
Förster E: 3095
Forster HV: 3830
Forte N: 2360
Fortier C: 3032
Fortune DW: 3261
Fortuny G: 4189
Fossati P: 533, 1152
Foster E: 3817
Foster JP: 1153, 1809
Foster S: 3274
Fotherby K: 4022
Foulks JG: 94
Fourcade JC: 2614
Fournier A: 1154
Fournier M: 1155
Fowble JW: 2929
Fowler PB: 1156
Fowler RE: 1157
Fox J: 366, 1158
Fox NL: 1157
Fox OD: 1335
Foxcroft GR: 1022
Fozard JR: 1159
Fradà G: 891
Fraioli JP: 1262
Frajese G: 2552
Frame B: 1160
Francavilla A: 1161-1162
Francesconi RP: 1163
Franchi F: 1279
Franchimont P: 1164, 3263, 3368
Francis D: 1165
Francis I: 3078
Francis L: 154
Francois B: 420
Francois PE: 49
François R: 3442
Frank M: 4444
Franke I: 2375
Franke J: 3381
Frankel SH: 1166
Frankenberg J: 3195
Franklin RM: 1167
Franklin RW: 3998
Franklin W: 3523
Franks S: 1168
Franssila K: 3467
Franz JR: 1169
Franzén A: 1541
Frappat P: 118
Fraser HM: 2429
Fraser IS: 1170
Fratta W: 890, 1666
Fraumeni JF Jr: 3248
Fraunfelder FT: 1171
Fray JC: 1172
Frederiksen P: 1173
Fredholm BB: 1174-1175, 2392
Fredlund PN: 2818
Freedman HJ: 1291
Freedman HL: 2711
Freedman RS: 1176
Freedman SO: 3529
Freeman BM: 1177
Freeman D: 975
Freeman J: 1178
Freeman MA: 692, 1179
Freeny PC: 1180
Fregly MJ: 1181
Frei JV: 1182
Frei U: 2020
Freidin J: 1183
Freireich EJ: 539
Freist W: 1675
Freitas JE: 3281
Fremouw-Ottevangers DC: 2726
French M: 2695
Frenette L: 1184
Frenkel M: 2787
Frenkel Z: 1999
Frenning DH: 1973
Frens J: 1185
Freudenthal RI: 1186
Freund J: 765
Frick A: 1187
Friedburg D: 1188
Friedler RM: 1189
Friedman BA: 133
Friedman DL: 1190
Friedman E: 1731, 2700
Friedman EA: 2008
Friedman G: 1191
Friedman L: 1915, 4282
Friedman RJ: 1192
Friedman Y: 1193
Friedmann G: 1194
Friedrich E: 1195, 2111
Friesen HG: 1196, 1345
Friesinger GC: 1284
Frigerio B: 3757
Friis T: 2000
Friis, T: 1049
Friis-Hansen B: 2933
Frijlink W: 2284
Frink R: 1197
Friot JM: 3257
Frisch H: 4444
Frischauf AM: 2276
Froehlich JP: 3873
Froidevaux A: 1198
Froimowitz M: 1199
Frolich JC: 1391-1392, 4236
Frölich M: 1023
Fromantin M: 1266
Frommhold H: 3482
Front D: 1731
Frumkin A: 1456
Fry WJ: 1603, 4276
Fryer CJ: 1200
Fuchs AR: 1201, 1755
Fuchs C: 1202
Fuchs K: 1303
Fuchs U: 1027
Fudenberg HH: 2174, 2517
Fueki R: 3875
Fuenmayor D: 1351
Fuentes J: 1249
Fujii H: 128, 1203
Fujii M: 2678
Fujii T: 3919
Fujikawa S: 1204
Fujimoto M: 1205
Fujimoto S: 3937
Fujimoto Y: 1206
Fujioka T: 1864
Fujisawa S: 2878
Fujita C: 2883
Fujita H: 1756
Fujita M: 1910
Fujita T: 5, 1207-1208
Fujita Y: 1209
Fujiwara M: 3917
Fujiwara Y: 1210
Fujiyama Y: 1690
Fukase M: 1544
Fukazawa K: 2434
Fuks MA: 2918
Fukuchi S: 1211, 2867
Fukuda K: 1938
Fukuhara A: 2687
Fukuhara Y: 1739
Fukui K: 2153
Fukunishi R: 2678
Fukushima N: 1212
Fulgham DL: 57
Fulkerson WJ: 1213
Füllemann HG: 793
Fuller BB: 3567
Fuller F: 2276
Fuller RW: 1214-1216
Fuller T: 672, 3149
Fullmer CS: 2068
Fumarola D: 1217
Fumoux F: 1218
Funado T: 3879
Funahashi T: 1996
Funck-Brentano JL: 175
Funkhouser JD: 1219
Funston MR: 1745
Furano AV: 2410
Furmanski P: 4413
Furno F: 2783
Furr AK: 4436
Furr BJ: 965, 2989
Furrer J: 4183
Furst JL: 2724
Fürstenberg H: 2558
Furuhashi N: 1056
Furuhjelm M: 790
Furukawa T: 1220
Furuta N: 3928-3929
Furuya E: 1221
Furuyama T: 3416
Fusaroli M: 4481
Fuss M: 959, 1222-1223
Futoran RJ: 3496
Fuxe K: 1224-1225
Fyhquist F: 2340
Fyhrquist F: 1357, 2224, 3387-3388
Fylling P: 1820

G

Gabaeva NS: 1226
Gabrielsen TO: 3561
Gabrilove JL: 1227
Gadola L: 3316
Gafni J: 1060-1061
Gage FH: 1228
Gage J: 917
Gagerman E: 1229
Gagnadoux MF: 2312
Gagnon RM: 3579
Gahne B: 1230, 1856
Gaida W: 4290
Gaidamak AN: 3698
Gailliard P: 4031
Gál EM: 3614
Gala RR: 551
Galant SP: 1231
Galardy RE: 1232
Galatius-Jensen F: 3788
Galbiati A: 2452
galera-Davidson HL: 2825
Galkin AA: 1233
Gall SA: 1234
Galla JH: 1998
Gallager HS: 1176
Gallagher JC: 3283
Gallagher M: 1235
Gallant S: 480
Galle P: 946
Gallet D: 829, 3410
Galli C: 3773
Gallo AB: 1236
Gallo RV: 126
Galloway DC: 3197
Galmozzi C: 437
Gal'pern IL: 3239
Galton DJ: 1237
Galus K: 3900
Gálvez S: 2407
Gambhir MS: 1448
Gams RA: 961
Gamstätter G: 968
Gamsu G: 2113
Ganani J: 4392
Ganatra RD: 3978
Gandhavadi B: 1895
Gandjour A: 85
Gandolfi C: 338, 2452
Ganguli NC: 1468
Ganguly R: 1238
Ganguly S: 1239
Gangwer MI: 449
Ganjam V: 789
Gankema H: 4303
Gann DS: 921
Gant NF: 3538
Ganten D: 1240, 1638
Ganten U: 1638
Garabedian M: 195, 1241
Garattini S: 60, 1242-1243

Garau L: 1244
Garay GE: 3406
Garay M: 1138
Garbarg M: 1461
Garbers DL: 1245–1246
Garcia MC: 1247
García MD: 2980
Garcia R: 115
García-Austt E: 1249
García Ramos J: 1248
García-Sánchez JL: 1249
Garcia-Sevilla JA: 1250
Gardas A: 1251
Gardee R: 1252
Gardiner A: 1253
Gardiner TH: 1254
Gardner DG: 3781
Gardner FH: 1255
Gardner JD: 387, 1256, 2365
Gardner TJ: 363
Gardner WH: 885
Gardocki JF: 3223
Garel JM: 224
Garfield RE: 1257
Garg DC: 1258
Garg SK: 1259
Garibaldi LR: 1260–1261
Garmatina SM: 2848
Garner SC: 397
Garnier H: 1262
Garnier J: 2475
Garófalo EG: 3316
Garrish MT: 2457
Garte SJ: 1263
Garthoff LH: 1915
Gärtner K: 910
Gartrell N: 1264
Gascon AL: 292
Gasparoux S: 942
Gass GH: 294
Gates GA: 4437
Gau GS: 1265
Gaudssuhn D: 910
Gauthier-Wright: 2540
Gautier D: 1266
Gautvik KM: 1545
Gavellas G: 1892–1894
Gavras H: 1792, 2322, 4075
Gawel MJ: 1101
Gay J: 1267
Gay R: 3187
Gaylarde PM: 1268
Gazenko OG: 1269
Gazzotti P: 2801–2802
Gebauer U: 1270
Gedamu L: 1271
Geher K: 1561
Geiger W: 3530
Geilfuss J: 3104
Geis WP: 204
Geiss M: 3074
Geisthövel W: 1272
Gelfand EW: 924
Gelfand MC: 1273
Geller J: 51, 1274
Gellis SS: 1275
Gelly C: 3872
Gembicki M: 1276, 2080–2081
Gemme G: 1277, 3665
Gemzell CA: 1278
Genant HK: 3128
Genazzani AR: 1051, 1279
Genin AM: 1269
Gens J: 2571
Genth E: 1280
Gentilini P: 1281
George R: 588, 1361
George WJ: 531, 1118
Georgi M: 3049
Georgiev TN: 1282
Geraghty R: 3212
Géral JP: 4034
Gerasimenko PP: 1283
Gerasimov GM: 1331
Gerber JG: 1284, 4236
Gergely P: 1285
Gerkens JF: 1284
Gerlovin ESh: 4108
Germann DR: 4378
Gerrard JM: 1286, 3216, 3510, 4317
Gerritsen SW: 1287
Gershengorn MC: 1288
Gershon MD: 2854
Gershon S: 3366
Gervais A: 1289
Gervais C: 1290
Geschwind II: 222
Gessner T: 1291
Getzen LC: 3103
Getzy L: 3358
Geurts J: 1222
Gewertz BL: 4276
Geyer E: 1709
Geyer MA: 1292
Geynet P: 2249
Ghanadian R: 1293
Ghosal S: 1294
Ghose K: 714
Ghosh JJ: 1239
Ghosh P: 333
Ghraf R: 1295
Giannessi D: 1296
Giardina G: 1297
Gibb W: 1298
Gibbons WA: 193
Gibbs C: 1126
Giberti C: 1313
Gibey R: 656
Giddings HB: 1299
Gielen JE: 2110
Gierek T: 2166
Gijsbers AJ: 1300
Gil-Ad I: 1301
Gil Recasens ME: 1302
Gilbert AB: 3033
Gilbert H: 1303
Gilbert HR: 2669
Gilbert JC: 1304
Gilbert MA: 2729
Giles MB: 965
Gileva EA: 538
Gill DL: 1305
Gill DP: 4238
Gill JR: 954
Gill SK: 1450
Gillenwater JY: 1306
Gilles-Baillien M: 1307
Gillespie JJ: 1308
Gillet JY: 656
Gilli G: 2556
Gillies PJ: 273
Gillin JC: 1666
Gillioz P: 2894
Gillis RA: 1570–1571
Gilman AG: 518
Gilmore CE: 4282
Gindhart TD: 3548
Ginn HE: 2008
Ginos JZ: 4208
Ginsburg H: 1495
Ginther OJ: 301, 1247
Giovanelli E: 2783
Girard F: 315
Girard JR: 3312
Girard M: 428
Giraud P: 2894
Gispen W: 481
Gist DH: 1309
Gittes RF: 887
Giudicelli Y: 1310–1311
Giugliano D: 1312
Giuliani L: 1313
Gizatulin ZIa: 3766, 4120
Gjerris A: 1314
Glans C: 2513
Glänzer K: 4183
Glanzmann C: 1865
Glass AR: 1315
Glass MR: 950
Glassman AH: 3027
Gláz E: 2395
Gleeson MJ: 2946
Glenn EM: 3552
Glennon JA: 569
Glezerman M: 1316
Glidewell O: 1144
Glöckner R: 802
Glonek T: 1317
Gloor E: 1318
Glorieux FH: 1319, 3967
Gluck FB: 1320
Gluckman E: 1321
Gluckman PD: 1322
Glueck CJ: 4046
Glusman S: 1462
Glynn P: 1323
Gmur DJ: 4155
Göbel P: 4202
Goberna R: 3750
Goddon R: 2972
Gödel E: 1027
Godfrey S: 772, 1324
Godin M: 1325
Godkin JD: 1326
Godwin CW: 885
Goebel FD: 4480
Goebel R: 1327–1328
Goebelsmann U: 2156
Goedel-Meinen L: 1481
Goedemans JH: 4153
Goel VK: 1329
Goerz G: 3395
Goff AK: 2297
Goffart M: 1330
Goffinet D: 278
Gogin EE: 1331
Goglidze RI: 1332
Goischke HK: 1333
Gökmen E: 3247
Golanov EV: 1334
Golbey RB: 628
Gold EW: 1335
Goldammer D: 2098
Goldberg ME: 1528
Goldberg NJ: 561
Goldberg VM: 3358
Goldblatt PJ: 4337
Golde DW: 1343
Goldenberg DM: 1336, 2967, 4149
Goldenberg HJ: 1528
Goldin AR: 1745
Goldin B: 2361
Goldman AI: 1973
Goldman B: 2865
Goldman JK: 1337
Goldman RA: 363
Goldschmidt J: 1895
Goldschneider I: 234
Goldsmith L: 4288
Goldsmith RE: 2542
Goldson H: 4418
Goldstein A: 1338
Goldstein AM: 1069
Goldstein DA: 45
Goldstein HM: 4081
Goldstein M: 1650
Goldzieher JW: 1339
Goligorskii MS: 1340
Golikov AP: 1341
Gollapudi MG: 1717
Golofeevskii VIu: 1342
Golomb HM: 1343
Golstein J: 2317
Golstein P: 2423
Goltzené F: 1344
Golub MS: 3982
Golvin C: 2260
Gomba S: 2143
Gombe S: 3472
Gomez F: 1345
Gomez GA: 1346
Gomez J: 2291
Gómez M: 540
Gomez MR: 914
Gómez-Capilla JA: 554
Gomez-Pan A: 3744
Gómez-Pérez FJ: 2673
Gomez-Sanchez C: 2602
Gomot L: 1347
Gonçalves V: 3749
Gonce M: 843, 1776
Goncharenko VM: 2093
Gondex MK: 2920
Gondo S: 1348
Gondos B: 3662
Gong H Jr: 1349
Gonvers JJ: 1350
Gonzales J: 451
Gonzáles-Vegas JA: 1351
Gonzalez A: 1352, 1462

Gonzalez FM: 2590
Gonzalez J: 2302
González Molina M: 3434
Goodfriend TL: 3794
Goodgame JT Jr: 2378
Gooding M: 2846
Goodkin F: 1353
Goodman DB: 821
Goodman HM: 3550
Goodman I: 1611
Goodman JC: 2509
Goodrich C: 1354
Goodwin D: 2919
Goodwin FK: 2723
Goos HJ: 3039
Gorbach SL: 2361
Gorbacheva LN: 1355
Gordeladze DT: 3096
Gordeladze JO: 1356
Gordillo-Paniagua G: 2660
Gordin A: 1357, 2188
Gordon DB: 1358
Gordon E: 2549
Gordon GG: 4197
Gordon I: 395
Gordon JL: 1359, 2417
Gordon R: 1360
Gordts S: 468
Gore MB: 4232
Gorelick DA: 1361
Gorman HM: 1008
Górowski T: 1821
Gorray KC: 1362
Gorski RA: 1521–1522, 4432
Gosden AF: 1363
Gosden RG: 1364
Gosselin P: 320
Goswami AK: 1080
Goswami S: 2445
Gotelli GR: 1365
Goto A: 1936, 2434
Goto K: 2037
Gott VL: 363
Gottesfeld Z: 1366
Gottesmann T: 1367
Goubran GF: 471
Gould CM: 935
Gould MI: 228
Gould MN: 675, 1368
Gould VE: 1829
Goulet Y: 3579
Goumy P: 1369
Goutte-Coussieu C: 26
Gove CD: 2402
Govoni S: 1244
Goy RW: 1955
Goya N: 1939
Gozariu L: 773
Graban W: 1800, 3203
Gräbling B: 106
Grabner W: 2775
Grabowska-Bochenek R: 1586
Grabowski H: 779
Grabstein KH: 2625
Grace HJ: 1370
Grace M: 2266
Gradwell E: 1371
Grady RR: 1372
Graef V: 1221
Graeff RM: 531
Graevskii EIa: 1732
Graf K: 1573
Gráf L: 184
Graham AN: 1373
Graham JR: 1374
Graham SE: 1375
Grahame-Smith DG: 1376
Granberg JP: 192
Granner DK: 3615
Granot J: 1377
Granström E: 1378–1379
Grant AM: 1380
Grant DB: 3464
Grant JA: 1381
Grätz R: 2125
Graves DJ: 1382
Graves JM: 3828
Gravina E: 2661–2662
Gray AC: 3829
Gray DH: 1383
Gray P: 1384
Gray TK: 2293, 2367
Greaves D: 1252
Greaves MW: 1385
Greco MA: 3183
Greeley GH Jr: 1386
Green AR: 726, 830, 1376, 1387
Green B: 462
Green D: 1388
Green IC: 1389
Green JC: 1069
Green JP: 1390
Gréen K: 1391–1392
Greenberg S: 4290
Greenblatt RB: 48, 142
Greene LA: 2410
Greene SA: 1393
Greene WA: 1394
Greengard P: 233, 3658
Greentree LB: 1395
Greenwald AS: 2761
Greenwald GS: 1396, 3976
Greenwald RA: 2696
Greenway FL: 1397
Greep RO: 1398
Greger R: 1399, 2204
Gregerman RI: 1923
Gregoraszczuk E: 1400
Gregorová I: 3801
Gregory PJ: 2236
Greig WR: 2422
Greiner JV: 1401
Greiner JW: 1402
Grejs J: 1403
Grekin R: 3281
Grennert L: 1404
Gresik E: 1405
Gretillat A: 3701
Greul G: 3075
Grevert P: 1338
Grieninger G: 1406
Griffin EE: 3436
Griffin JE: 1407
Griffin TW: 3992
Griffith OR: 1408
Grigorescu R: 1409
Grigor'ev AI: 2847
Grigor'ian GA: 1410
Grim CE: 1411
Grimelius L: 1412
Grimes DA: 587
Grimm DJ: 1413
Grimm-Jørgensen Y: 1414
Griscelli C: 1415
Grisham DW: 3989
Gröbner W: 4480
Groer PG: 2491
Grokhovskiĭ LP: 1416
Groncy CC: 1231
Grönniger J: 968
Gropp C: 1417
Gros C: 1418
Gross DM: 1118, 1139
Gross F: 2063
Gross J: 3432
Gross S: 1926
Grosser V: 1419
Grossman MI: 578
Grosso P: 2452
Groszmann RJ: 1420
Grota LJ: 493
Grotjan HE: 3326
Grotjan HE Jr: 1421
Grove S: 2706
Grover PK: 1422
Grubbauer HM: 3834
Grube KE: 1423
Grubenmann W: 1424
Gruber M: 892
Gruen E: 4381
Grumbach MM: 523, 705, 1322
Grünberger W: 1425
Grundy SM: 288
Grunwald C: 1426
Grussendorf M: 1712
Gruszczyńska M: 3682
Gruzelier JH: 1427
Gryboś M: 662
Gryglewska T: 1430
Gryglewski R: 1428
Gryglewski RJ: 236, 1429–1430, 3893
Grzegorowski M: 3748
Gschwendt M: 1431
Guall GE: 3228
Guarneri M: 219
Guderian AM: 4040
Gudkova AV: 2594
Gudmundsen TE: 1432
Guédon J: 1433
Gueho A: 2972
Guéris J: 195
Guerrant JL: 1434
Guerriero V Jr: 1435
Guerry D 4th: 1436
Guest RJ: 3310
Guffanti A: 1437
Guggenheim SJ: 2089
Gugler R: 1438
Guha SR: 2635
Guibaud P: 2972
Guidotti A: 198
Guilbault NG: 157
Guillemant S: 1439
Guillemin R: 1440
Guillin MC: 1441
Guinée PA: 4303
Guinet P: 1442
Guła-Fietkiewicz E: 779
Güldner FH: 1443–1444
Guman L: 3406
Gumpel JM: 1445
Gundersen HJ: 2938, 4279
Gun'kov VS: 3591
Gunnarsson PO: 1151
Günther B: 1446
Günther F: 3049
Gupta D: 3199
Gupta GS: 1447
Gupta RC: 1448
Gupta T: 1449
Guraya SS: 1450–1451
Gurdon JB: 1271
Gur'eva IG: 1452
Gurevich LM: 340
Guroff G: 4439
Gurpide E: 1453, 4049
Gurr JA: 1454
Gurtoo HL: 1291
Gusak LV: 2323
Gusberg SB: 4049
Gusev NB: 902
Gustafson A: 37
Gustafsson JA: 120, 1224–1225
Guthrie HD: 1455
Guthrie SC: 4332
Gutman A: 1456
Guyda H: 2325
Guyon A: 2448
Guyton AC: 2976
Guz I: 4370
Güzelsu N: 1457
Gwaltney JM Jr: 1575
Gwazdauskas FC: 1423
Gwee MC: 1458
Gwynn CM: 3734
Gylfe E: 1583
György W: 1459
Gyula K: 1459

H

Haagensen DE Jr: 4294
Haagsma-Schouten WA: 2785
Haahtela T: 1460
Haak A: 1023
Haas HG: 3539
Haas HL: 1461
Haas J: 2036
Haase HB: 1632
Habener JF: 640
Haber B: 1462
Haber E: 1513
Haberland GL: 1463
Habib R: 2312
Habura-Flüh O: 4103
Hachiya T: 2861
Hackenberg K: 1464
Hackenberg P: 2206
Hackett PH: 202

Hadd HE: 3444
Haddad JG Jr: 4322
Haddow AD: 918
Hadler NM: 2019
Hadley ME: 3567
Hadlich J: 2342
Haeusler G: 3996
Haferkamp O: 1295
Hafermann M: 1529
Haga T: 1465
Hagemann J: 383
Hagemann P: 1466
Hagen I: 2399
Hagen TC: 3286
Hägg E: 1467
Haggag HF: 1468
Haggard MP: 1469
Hague RV: 1470
Hahn H: 702
Hahn JA: 1471
Hahn TJ: 1472
Hähnel R: 505
Hai-Nan: 2222
Haigler HJ: 1473–1474
Hajdu SI: 597
Haka-Ikse K: 1475
Hakim TS: 1413
Hakola HP: 1476
Halaris AE: 858
Halawa B: 1477
Halberg F: 2168
Haldar J: 203
Hale PT: 1645
Halevy S: 1478
Halgren E: 1479
Halikowski B: 1480
Halimi S: 3318
Hall AW: 2668
Hall D: 1481
Hall ED: 1482
Hall GM: 1483
Hall JG: 1484
Hall PE: 1485
Hall R: 3744
Hall TJ: 2668
Haller WS: 4158
Halmi NS: 3615
Halpert J: 1486
Halse J: 1356
Halsema I: 892
Halstead LR: 1472
Halvorsen S: 1830
Hamada I: 2134
Hamada N: 1487
Hamada Y: 464, 4240
Hamberg M: 1391–1392
Hamblin T: 1488
Hambrick CS: 1981
Hamburger JI: 1489
Hames BD: 430
Hamet P: 1490–1491
Hamill RW: 3173
Hamilton AM: 582
Hamilton IR: 1492
Hamilton JC: 3742
Hamilton ME: 1493
Hamilton R: 2243
Hamilton TC: 677
Hamlin H: 4466
Hamlyn JM: 1494
Hammarström L: 3333
Hammarström LE: 1541
Hammel I: 1495
Hammer A: 1179
Hammerman KJ: 1496
Hammers R: 750
Hammond CB: 46, 1497
Hammond JE: 304
Hammond NV: 1427
Hampel A: 2644
Hampel MR: 1498
Hampl R: 1499, 3801
Hamprecht B: 4131
Hampton M: 1890
Hamstra A: 2908
Hamstra AH: 2756
Hamstra AJ: 637
Hanahan D: 2276
Hande K: 595
Handler AH: 1555
Handler AM: 3124
Haneda A: 1500, 3910
Haney AF: 1497, 1501
Hanid MA: 1502
Hanifin JM: 3305
Hanker JP: 1503
Hankin JH: 1504
Hanko JH: 1505
Hanna CJ: 1506–1507
Hanngren A: 2808
Hannigan A: 2196
Hannoun L: 1262
Hano JE: 204
Hanoune J: 2249
Hansen AP: 440, 650
Hansen G: 1508
Hansen JM: 260, 1831–1832
Hansen NE: 1509
Hanski E: 3287
Hanson RW: 1772
Hansz J: 1510
Haour F: 613
Hara I: 1511
Harada E: 1512
Harada T: 2844
Harasawa M: 2006
Harbison JW: 520
Hardebo JE: 982, 1505
Harden TK: 3865, 4367
Hardie AR: 3330
Hardin JA: 1513
Hardin JW: 667
Hardman JG: 1491, 2244
Hardoff R: 1731
Hardomg HR: 3130
Hardwidge EA: 1514
Hardy J: 1515
Hardy JG: 1516
Hardy MA: 870, 4273
Harell A: 4286
Haresign W: 18
Hargis GK: 1525, 4336
Hargreave TB: 1517
Häring HU: 1518
Häring R: 2866
Harker LA: 1519
Härkönen P: 1520
Harlan RE: 1521–1522
Harlay A: 1523
Harlin B: 3648
Harman RR: 524
Harmanci MC: 1524
Harmon SJ: 3535
Harney AN: 1525
Harper JS: 2403
Harper MJ: 114
Harper RM: 3653–3654
Harri MN: 1526
Härringer M: 1527
Harrington DM: 3278
Harris CE: 3615
Harris DN: 1528
Harris EJ: 4442
Harris JJ: 751–752
Harris WH: 2459
Harrison DT: 1529
Harrison FA: 1530
Harrison GN: 1011
Harrison RG: 3028
Harrison TS: 174
Harrow JA: 1531
Hart DS: 2390
Hart MG: 1551
Hart SM: 1532
Hart T: 1533
Hartenbower DL: 2892
Hartikainen AL: 158
Hartl J: 1534
Hartl PW: 1280
Hartmann L: 2895
Hartmann R: 3816
Hartsock RJ: 1054
Harvey HA: 2243
Harvey I: 388
Harvey JP Jr: 3955
Harvey S: 1535–1536
Harvey WP: 3556
Haschke F: 1537
Hasegawa K: 1538
Hasegawa R: 1553
Hashiguchi S: 4409
Hashimoto H: 7
Hashimoto T: 2688
Hashimura F: 3419
Haskins NJ: 405
Haslam RJ: 1539
Hasler MJ: 1540
Hasselgren G: 1541
Hassun TM: 3
Hata K: 2867
Hata M: 1542
Hata T: 2144, 2869
Hataji K: 2678
Hatakeyama S: 3925
Hatch KD: 1543
Hathaway DR: 24
Hattner RS: 1927
Hatton GI: 132
Hattori M: 1544, 1886
Haug E: 1545
Haugen HN: 1356
Hauptmann G: 1546
Haus E: 2168
Hauschild A: 3199
Hauschka PV: 1547
Hauss J: 1548
Hauss WH: 2579
Haussler MR: 3609
Haustein UF: 2358
Hautecouverture M: 453, 1549
Havard CW: 1751
Havemann K: 1417
Havran RT: 2937
Hawiger J: 1550
Hawker CD: 3833
Hawkey CM: 1551
Hawkins J: 1236
Hawkins RA: 1993, 3306
Hawkins Carranza F: 889
Hay JB: 1552
Hay MF: 2931
Hayashi C: 3948
Hayashi E: 1553
Hayashi K: 3907
Hayashi S: 1554
Haycraft D: 2831
Hayden DW: 1555
Hayduk K: 326
Hayek A: 1556
Hayes RL: 1557
Hayes TM: 2315
Hayles AB: 567
Haynes JB: 3993
Hayward JL: 2173, 3306
Haywood JK: 388
Hazen D: 3679
Head GL: 955
Head KW: 482
Heaney TP: 536
Heap RB: 1530
Heard CR: 1558
Hearn PR: 1559
Heath DA: 1088
Heath M: 3744
Hebestreit P: 419
Hedin CA: 1560
Hedlin A: 1561
Hedner P: 37
Hedqvist PO: 1562
Hehrmann R: 1600, 2393–2394
Heidt H: 3832
Heim J: 1563
Heimburger RF: 1564
Heincz MC: 1565
Heindel JJ: 1421, 1566, 3813
Heinrichs HJ: 104
Heintz R: 3086
Heki N: 1567–1568, 1693
Held E: 2207
Helenon C: 615
Helgebostad A: 1569
Helke CJ: 1570–1571
Heller W: 963
Hellman B: 1583
Hellstern P: 1572
Helm D: 2406
Hempel E: 1573
Hemphill JL: 885
Hemrick SK: 1216
Hems DA: 2402

Henderson IS: 388
Henderson SK: 1574
Henderson WJ: 4336
Hendley JO: 1575
Hendrick JC: 3263
Henkart MP: 1576
Henn FA: 1577
Hennen G: 1578
Hennessy JF: 2860
Henney CS: 1579
Hennig K: 2571
Henning H: 2205
Henning HV: 1202
Henning K: 2070
Henning SJ: 1580
Henrich WL: 310
Henricks DM: 1581
Henriksen OA: 1582
Henriksson C: 1583
Henry DP: 3141
Henry HL: 2892
Henry JC: 656
Henry JL: 599, 4393
Henry JP: 1584
Henry PY: 1585
Henry WL: 2868
Hensby CN: 1385
Hensel H: 200
Henson PM: 3605
Hepa J: 1586
Hepp KD: 1518, 1587
Heran CL: 1528
Herberman RB: 1588
Herbert J: 1589
Herchuelz A: 1590, 3570
Herman JP: 1082
Herman R: 1823
Herman RH: 3617
Hermann B: 1591
Hermansen K: 1592
Hermier C: 1046
Hernandez C: 72
Hernández-Jáuregui P: 56
Hernández-Ortíz J: 3209
Hernando L: 2922
Herndon DN: 1593
Herrenkohl LR: 1594
Herrera E: 4125
Herrera MR: 3343
Herrmann AA: 3830
Herrmann J: 3382
Herrmann JM: 656
Herschman HR: 1595
Hershfield MS: 1596
Hershman JM: 561
Hertz R: 1597
Hertzberg KM: 1406
Hervás F: 2980
Hervás JP: 2183
Herveg JP: 4369
Hervonen A: 1598, 1887
Hervonen H: 1887
Herz A: 1655
Herz KC: 1599
Herzmann J: 1686
Hesch RD: 1600, 1636, 1858, 2045, 2393–2394
Hesketh TR: 287
Hess J: 1601
Hess R: 768
Hesse B: 1602
Hester RK: 1603
Hetherington NW: 3322
Hethey B: 3095
Hettiarrachchi J: 2336
Heuer LJ: 1604
Heuser L: 1194
Heuwinkel R: 1605
Hews EA: 1606
Heybach JP: 1607
Heyderman E: 1608
Heymann MA: 679
Heynen G: 3394
Heyns W: 4143
Heyraud J: 1486
Heywood L: 1609
Hiasa Y: 1610
Hiatt RB: 1611
Hibi I: 2526
Hicks BR: 2630–2631
Hicks JJ: 1302
Hidalgo L: 50
Hier DB: 1612
Hierholzer K: 1613
Higashiyama S: 1614
Higgins CB: 1615
Higgins EA: 3322
Higgins GA: 1616
High JP: 1528
Highman B: 1617
Higuchi T: 1618
Hikasa N: 3461
Hikasa Y: 2740
Hilderson HJ: 877–878
Hildwein G: 1330
Hilgers TW: 1619
Hilgertová J: 3762
Hill AP: 1620
Hill B: 3610
Hill BT: 3148
Hill FL: 3964
Hill G: 3078
Hill HR: 1642
Hill JT: 1621
Hill LL: 4023
Hillier K: 1622
Hillier SG: 3360
Hills JR: 1779
Himuro K: 2503–2504, 2504
Hinks L: 2767
Hinshaw LB: 681, 1623, 4314
Hintz HF: 936, 3886
Hintz M: 3813
Hinzen S: 2102
Hippéli R: 3492
Hippius H: 16
Hirabayashi K: 3605
Hirano H: 2904
Hirasawa M: 4409
Hirata S: 140
Hirobe T: 1624
Hirose Y: 3910
Hiroshige T: 1669–1670
Hiroshige Y: 128
Hirsch PJ: 1625
Hirschman GH: 604
Hirshfield AN: 1626–1627
Hisa Y: 89
Hisada K: 2053–2054
Hissa R: 3182
Hitchcock M: 1628
Hite GJ: 2247
Hitzig WH: 2131
Hiura K: 1938
Hiwatari M: 1629
Hjälmås K: 912
Ho BT: 40
Ho H: 1232
Ho IK: 4084
Ho P: 689
Ho WK: 4297
Hoak JC: 2831
Hobrecker M: 3095
Hobson D: 527
Hochereau-de Reviers MT: 1630
Hochman J: 4288
Hockwin O: 2074
Hocman G: 1631
Hodara MA: 1632
Hodgen GD: 4340
Hodgins MB: 1552
Hodsman GP: 2951
Hoebel BG: 1633, 2420
Hoefke W: 4290
Hoefnagels W: 291
Hoek GT: 1964
Hoenninger J: 1927
Hoerni B: 988
Hoerni-Simon G: 988
Hoevels J: 1634
Hofbauer KG: 2063
Hofer E: 1635
Hoff KM: 185
Hoffenberg R: 2935
Höffken B: 1636
Hoffman PL: 1637
Hoffman WE: 1638
Hoffmann B: 1639, 3319, 3396
Hoffmann JA: 1344
Hoffmann K: 1640
Hoffmann-Ostenhof O: 3081
Hofmann K: 1641
Hofmann KD: 439
Hofmann M: 2145
Hofmann N: 3816
Hofmann S: 1605
Hofstetter JR: 1350
Hofteig JH: 1102
Hogan NA: 1642
Hogan TF: 1643
Hogarth C: 1644
Högberg B: 120
Hoh JF: 1645
Hohenauer L: 1537
Hohls FW: 1646
Hohmeister R: 1647
Höhn KG: 1648
Hokama Y: 1649
Hökfelt T: 1224, 1650, 3527
Holdcroft A: 1483
Holder G: 390
Holdsworth SR: 1651
Hole P: 3835
Holland D: 3666
Holland JF: 1144, 1652
Hollenbeck JI: 1653
Hollenberg MD: 2533
Holliday RL: 3950
Hollifield JW: 1654
Höllt V: 1655
Holly CM: 4047
Holm AC: 1225
Holmberg I: 1656
Holmberg L: 1657
Holmes RS: 1658
Holmes SD: 1659
Holmes WN: 607, 1660
Holmgren J: 1661
Holscher MA: 1662
Holst JJ: 1807
Holstein AF: 1663
Holtz W: 1664
Holtz WJ: 341
Holub D: 3019
Homo F: 3065
Honda T: 1665, 2646
Honda Y: 3883
Hong J: 890, 4418
Hong JS: 1666
Hong KC: 1667
Honikel KO: 1668
Honjo H: 4404
Honma KI: 1669–1670
Honma S: 3875
Honma Y: 4426
Honn KV: 620
Honoré LH: 1671
Honour JW: 1672
Hood RL: 2784
Hook JB: 2828, 2928
Hooper G: 167
Hoover EA: 3337
Hoover R: 3248
Hope J: 3666
Hope NJ: 525
Hopkin DA: 1673
Hoppe J: 1674–1675
Horák J: 773
Hori T: 2544
Horii D: 1676
Horikoshi H: 1677
Horino M: 2811
Horita A: 1678–1679
Horiuchi N: 1680, 1930, 2522
Horn V: 4206
Horning EC: 3053
Hornstein OP: 1681
Hornykiewicz O: 1682
Horoszko B: 3040
Horowitz AM: 820
Horowitz C: 1683
Horrobin DF: 1684–1685
Horský J: 1686
Horst W: 11–12
Horth CE: 4002
Horton DJ: 785
Horton R: 1471, 1687
Horvath E: 2088
Horwitz KB: 1688, 2411
Hosain F: 4253
Hosain P: 4253

Hosaka M: 2815
Hoshi T: 1689
Hosier K: 1927
Hoskinson J: 3511
Hosoda S: 1690, 2150
Hosogi H: 1691
Hosoi K: 1692
Hosojima H: 1693
Hosokawa S: 1934
Hosokawa T: 3419
Hosoya N: 2824
Hosoya T: 1760, 1909
Hossfeld DK: 105
Hotta Y: 4264
Hotujac L: 1694
Houcken KH: 3153
Houdent C: 4366
Houghten R: 2318
Houghton JB: 1695
Hoult JR: 2667
Hountondji A: 3848
Hourtoule P: 361
Houslay MD: 287, 1696
Houston CS: 1697
Hovatta O: 2079
Hove K: 1698–1699
Howard AN: 1380
Howards SS: 4079
Howell DS: 3077
Howell SL: 1389
Howells GR: 1388
Howieson J: 3123
Howlett AC: 518
Howlett CR: 64
Hoyos MD: 1700
Hoyt RF Jr: 3767
Hoyumpa AM Jr: 1701
Hradil E: 1702
Hromadová M: 2414
Hrubesch M: 1548
Hruby VJ: 379
Hsie AW: 2902
Hsü CY: 1703–1704
Hsü LH: 1703
Hsueh AJ: 666
Hsueh CL: 1705
Hu JW: 1706
Hu MS: 2117
Huang JT: 40
Huang SM: 1795
Huang WY: 3576
Huard M: 1707
Huaux JP: 837
Hubáčková J: 347
Hubbard JE: 3087
Hubbard SP: 4433
Hubbard VS: 1708
Huber P: 3807
Huber PR: 1709
Huber SA: 1710
Hübner S: 4354
Huddart H: 1711
Hudson S: 2187
Hudspith BN: 2605
Huff K: 2344
Hüfner M: 1712
Hughes BP: 1713
Hughes ER: 1219
Hughes GR: 1647
Hughes LE: 2463
Hughes RA: 1714
Hughes RG: 2668
Hughes WA: 868, 1715
Hugi K: 1127
Hugues JN: 453
Hui G: 3009
Hull AR: 2008
Hull EM: 1169
Hülshoff T: 3571
Hülsmann WC: 1716
Hultquist DE: 814
Hulugalle RS: 1717
Hum VG: 2679
Hume DA: 1718–1719
Humhal J: 2944
Hummer L: 440, 1786, 2333
Humphries H: 2716
Hung W: 605
Hunt AE: 677
Hunt WE: 1720
Hunter BE: 1721
Hunter RH: 706
Hunziker W: 1424
Hurley JF: 407
Hurst DL: 4163
Hurtajová L: 2034
Hurukawa Y: 3416, 3753
Hurwic M: 3027
Husain A: 828, 1722–1723
Husami N: 1724
Hušková M: 3017
Husslein P: 1725
Hustin J: 1726
Huston JP: 1727
Huszno B: 3899
Hutchins CJ: 1728
Hutchins GM: 2138
Hutton JC: 3570
Huxtable CR: 64
Hyman G: 866
Hyne RV: 1729
Hyyppä MT: 1730

I

Iacobelli S: 3403
Iaina A: 995, 1060–1061
Iakobson GS: 4120
Iakovleva EB: 4118
Iancu TC: 1731
Ianushevskaia MI: 1732
Iaroshevskiĭ IuA: 3643
Iba K: 1538
Ibadov IIu: 1733
Ibels LS: 59
Ichihara A: 3933
Ichikizaki K: 1734
Icli F: 1735
Idahl LA: 1229
Ide G: 2751
Ide N: 3928
Idelman S: 317
Idler DR: 1736
Ido T: 3409
Idriss W: 1724
Ieiri T: 3630
Igarashi M: 1737
Igawa T: 3419
Igić R: 1694
Iglesias FC: 1806
Iglesias J: 1738
Iida K: 1739
Iino S: 4408
Iivanainen M: 1476
Ijichi H: 2615
Ikeda F: 2062
Ikeda H: 1740, 3753
Ikeda I: 1741
Ikeda K: 1742
Ikegami S: 1676
Ikehara C: 3632
Ikehara M: 4094
Ikuta J: 3628
Il'iasov ShSh: 4071
Il'in EA: 1269
Illingworth DV: 1131
Ilsemann K: 2579
Imai S: 1743
Imamura N: 1930
Imanishi S: 1744
Imano M: 2815
Imlah P: 482
Imler M: 3488
Immelman EJ: 1745
Imms FJ: 1101
Impicciatore M: 578
Imrie CW: 1746
Imura H: 1544, 2750, 3921
In der Maur GA: 1747
Inada M: 2813
Inagami T: 2520
Inelmen EM: 221
Inesi G: 4172
Ing TS: 204
Ingemarsson I: 2563
Ingerman CM: 3733
Ingham S: 831
Inokuchi K: 2927
Inoue K: 2637, 3639, 3926
Inoue T: 1538, 2684, 4408
Inoue Y: 1734
Intrator L: 2184
Inui T: 4427
Inui Y: 3909
Inukai T: 4412
Ionkov I: 4058–4059
Irani F: 3027
Irie Y: 3419
Iriki M: 2738
Irisawa H: 1748
Iritani A: 3460
Irokawa N: 1764
Irvin GL 3d: 1749
Irvin JL: 1819
Irvine WJ: 4012
Irwin RS: 1750
Isaacs AJ: 1751, 2291
Isaev IG: 182
Isaia GC: 2653
Isarangkura M: 1752
Ischebeck W: 1944
Ishibashi O: 1742
Ishibashi T: 3460
Ishida K: 2803
Ishida T: 1936
Ishiguro K: 2514
Ishihara Y: 2006, 2886
Ishii T: 1753, 3628, 3632
Ishikawa K: 1754
Ishikawa M: 1755
Ishikawa N: 3587
Ishimaru K: 3879
Ishimura K: 1756
Ishizaki T: 1757
Ishizawa M: 1758, 2639
Ismail AH: 4434
Isotalo A: 1520
Israel Y: 1759, 2921
Israeli R: 3126
István F: 2597
Isupov IuI: 3158
Itagaki E: 1760
Ito A: 1761
Ito H: 2752
Ito J: 1762–1763
Ito K: 1487, 1734, 2146
Ito M: 3883
Ito N: 1610
Ito S: 2903
Ito T: 3882
Itoh T: 1764, 2522
Iukhlova NA: 55
Iurchenko OP: 3076
Ivanof L: 173
Ivanov EV: 1765
Ivanov IuI: 2083
Ivanova EA: 1766
Ivanova LN: 2106
Ivarie RD: 3550
Ivchenko IuB: 1767
Ivemark B: 2808
Iversen J: 1592
Iversen LL: 356, 1768, 3189, 3262
Ivey JL: 1769, 3609
Ivić M: 1770
Ivkov NN: 2961
Ivleva VI: 1341
Iwamatsu T: 1771
Iwasaki T: 4056
Iwata C: 1610
Iwata H: 171
Iynedjian PB: 1772
Izaki S: 1773
Izquierdo JA: 1774
Izumi H: 1775
Izumi K: 1776, 2886

J

Jach J: 1777
Jackanicz TM: 2763
Jackowski MM: 1778
Jackson DV: 2728
Jackson IM: 1779
Jackson MA: 2577
Jackson S: 3151
Jackson SA: 1780
Jacob I: 3521

Jacobelli S: 1781
Jacobi GH: 1782
Jacobi JM: 1783
Jacobowitz DM: 1366
Jacobs DM: 3703
Jacobs MM: 1784–1785
Jacobs S: 595
Jacobse-Geels HE: 4141
Jacobsen BB: 1786–1787
Jacobsen HH: 1788
Jacobson B: 790
Jacobson G: 1789
Jacobsson K: 1790
Jacobsson L: 1790
Jacques C: 3488
Jacquet YF: 1791
Jaeger P: 1792
Jaffe BM: 1793
Jaffe D: 1893–1894
Jaffe EA: 4293
Jaffee RB: 1794
Jafri AM: 1795
Jahodová J: 3516
Jährig K: 1796
Jain HC: 900
Jain R: 1797
Jain SK: 1798
Jakesz R: 2118
Jakob L: 855
Jakubowski J: 1799
Jakubowski W: 1800, 3203
Jallageas M: 153
James DG: 1801, 3862
James NT: 264
Jamieson JD: 1232
Janakidevi K: 3990
Janakiraman K: 4114
Janczewski Z: 1802
Janiak M: 3896
Janić-Sibalić V: 3050
Janiszewski L: 1803
Jänne O: 1804
Janota I: 1502
Janowitz HD: 2584
Jans H: 31
Jansen WH: 4303
Janski AM: 1382
Janson R: 1805
Janssens KY: 3206
Jao W: 1829
Jaques S Jr: 551
Jaramillo CJ: 1806
Jarasch ED: 484
Järhult J: 1807
Jaroszewicz A: 3758
Jarratt M: 3308
Jarvik R: 4277
Järvinen PA: 1812
Jastorff B: 2519
Jaubert M: 2546
Javadpour N: 954
Jayle MF: 26
Jayson MI: 2807
Jean C: 1808
Jean HH: 654
Jean-Faucher C: 1808
Jeffcoate IA: 1809
Jeffcoate SL: 1810
Jeffcoate WJ: 3860
Jeffery WR: 1811
Jehanno C: 941
Jeleniewska A: 406
Jelinek J: 1812
Jelínková M: 1812
Jeljaszewicz J: 3896
Jelliffe DB: 1813
Jelliffe EF: 1813
Jellins J: 765
Jenkin G: 2425
Jenkin HM: 4415
Jenkins DM: 1814
Jenkins DP: 4185
Jenkins JJ 3d: 911
Jenkins JS: 2943
Jenkins ME: 1815
Jenner P: 1816
Jenner RE: 1502
Jennings RB: 2376
Jensen H: 1048
Jensen JN: 504
Jensen RA: 735
Jensen SE: 2235
Jepsen LV: 1817
Jequier AM: 1517, 1818, 1971
Jéquier E: 1792
Jernigan HM Jr: 1819
Jeronen E: 3182
Jerve F: 1820
Jeske W: 209–210, 781, 1821–1822
Jessat J: 1796
Jessell TM: 3262
Jessen CR: 747
Jesser WA: 3285
Jeune M: 812
Jeuring HJ: 2727
Jewelewicz R: 1724
Ježová-Repčeková D: 2210
Jiang NS: 3351
Jiannopoulos A: 3543
Jick H: 1823
Jiménez-Alonso J: 1824
Jimerson DC: 2401
Jirásek JE: 1825
Jirkalová V: 2049
Jitsukawa S: 1542
Job JC: 1826–1827
Jöbsis AC: 2069, 2483
Jochimsen PR: 1828
Joglekar S: 610
Johannessen JV: 1829
Johansen JG: 1830
Johansen K: 1831–1832
Johansson ED: 2810
Johansson H: 1412
Johansson L: 568
Johansson S: 1833
Johansson SA: 1151
Johnsen SG: 1834
Johnson BL: 1835
Johnson BM: 1643
Johnson DG: 934
Johnson DK: 4340
Johnson EF: 2838
Johnson GS: 1836
Johnson HK: 443
Johnson HM: 3798
Johnson IR: 1723
Johnson JC: 3772
Johnson JD: 3529
Johnson JR: 473, 885
Johnson KM: 1837
Johnson LY: 369
Johnson PA: 1525
Johnson PM: 1838
Johnson RE: 553
Johnson RL: 2701
Johnson SA: 256
Johnson TO: 13
Johnson WE: 1047
Johnston CC Jr: 1968
Johnston CI: 3172
Johnston H: 373
Johnston JM: 3538
Johnstone EC: 730
Jokinen MA: 1839
Joller P: 2131
Joly J: 1840–1841
Jonas H: 3771
Jonas HS: 1073–1074
Jonen HG: 1863
Jones A: 608, 853, 3860
Jones AF: 1161–1162
Jones B: 911
Jones CW: 828, 1722
Jones GS: 2230, 3357
Jones HW Jr: 1842
Jones JH: 341
Jones JT: 1658, 1843
Jones LA: 1941
Jones M: 1844, 4167
Jones N: 3956
Jones PH: 3599
Jones R: 715
Jones RG: 821
Jones RJ: 1845
Jones TC: 2403
Jonsson G: 1225
Joos T: 1846
Joosten HW: 3814
Joplin GF: 1953
Jordan L: 4424
Jordan N: 2364
Jordan VC: 899
Josefsberg Z: 1847
Joseph LM: 480
Joshi BC: 1329
Josso N: 1848, 3066
Jost A: 1849
Jowett TP: 1850
Jowsey J: 3300
Joyce BG: 1851
Joyce TH 3d: 2795
Jóźwik M: 1852
Juárez Fernández C: 3434
Jubiz W: 1118
Juchmès J: 1330
Juhász A: 2589
Juhl B: 3835
Julius S: 1853
Jullienne A: 1854
Jumawan J: 1683
Junaid TA: 1855
Juneja RK: 1230, 1856
Jung M: 2548
Jung WE: 3092
Jungblut PW: 1857
Jungers P: 4475
Jüngst D: 2383
Junker A: 994
Jüppner H: 1600, 1858, 2393–2394
Jurani M: 4073
Jurkowlaniec E: 780
Jurkowski M: 3791
Juskevich JC: 1859
Just-Viera JO: 1352
Justel E: 1774
Justrabo E: 1860
Jutisz M: 296, 1970

K

Kabasawa T: 2059
Kabat EA: 2002
Kabler TA: 1861
Kabouche M: 2248, 4110
Kabra PM: 1365
Kacew S: 2759
Kachadorian WA: 1524
Kacz D: 3790
Kadis B: 1862
Kadyrova DA: 4071
Kagan AR: 1303
Kagawa K: 2812
Kågedal B: 1874, 1906
Kahana L: 438
Kahl GF: 1863
Kahl R: 1863
Kahn DJ: 3825
Kai H: 3632
Kai O: 1864
Kai T: 2044
Kaiser C: 1865
Kaiser G: 1866
Kaiserman D: 1867
Kajita Y: 2861
Kakati S: 1868
Kakita K: 2811
Kako K: 3455
Kaku A: 1919
Kalant H: 1759, 2921
Kalashnikov VM: 3161
Kalashnikova NA: 1869
Kalbacher H: 4202
Kalbitzer S: 3362
Kalemba J: 2553
Kalici N: 71
Kalifa LG: 2113
Kalina I: 181
Kalinin AP: 1870–1871
Kalinskiĭ MI: 2160
Kaliuzhnyĭ LV: 1334
Kalkhoff RK: 2494
Kalkwarf KL: 1872
Kalla NR: 1873
Kallikorm AP: 4072
Kallner G: 1874
Kallos J: 1875
Kallweit E: 1857
Kalsner S: 1876

Kamadana MR: 204
Kamaldeep K: 1900
Kamarusus Zaman SK: 1911
Kamburoff PL: 338
Kameya T: 38
Kamin H: 3588
Kaminski DL: 1877
Kaminsky LS: 1067
Kammer H: 1878
Kamo N: 1879
Kamogawa A: 3635
Kamphuisen HA: 1880
Kamyab S: 1881
Kanayama T: 1676
Kanbour AI: 1882
Kanda K: 2827
Kandalaft N: 1184
Kandaswami C: 1883
Kandeel FR: 1884
Kandzari S: 911
Kaneko M: 3569
Kaneko Y: 1885–1886
Kanellopoulos A: 602
Kanerva L: 1598, 1887
Kanerva PA: 1888
Kangasaho M: 1889
Kaniewski M: 209, 781
Kanis JA: 3394
Kannan MS: 1257
Kanno T: 38, 1754
Kano K: 2037
Kant R: 1151
Kantor HS: 1890
Kanyicska B: 1082
Kaouk M: 3437
Kapke GF: 1891
Kaplan EL: 3610
Kaplan G: 4193
Kaplan M: 455
Kaplan MA: 1892–1894
Kaplan MM: 2857
Kaplan PE: 1895
Kaplan SL: 523, 1322
Kaplan WD: 1896
Kaplay SS: 1897
Kapoor CL: 1898
Kapoor CP: 1899
Kaporina NV: 3591
Kapp BS: 1235
Kapp S: 1605
Kapsha JM: 3583
Kapur B: 2921
Kapur K: 1900
Kapur S: 1016
Kapur SP: 4185
Kar A: 2445
Karakawa T: 2640
Karasek M: 1901
Karat AB: 1178
Kardaszewicz E: 1902
Kardinal CG: 925
Karel I: 1903
Kareva MA: 2072
Karg H: 1904
Karim A: 1905
Karimova ShF: 4072
Karjalainen O: 158
Karkishchenko NN: 2899
Karlberg BE: 1906
Karle H: 1509
Karlsson Y: 1907
Karmali RA: 1684
Karmazyn M: 1684–1685
Karnicka-Młodkowska H: 2038
Karnozov VL: 2072
Karpouzas A: 704
Karstaedt N: 1908
Kartub MG: 373
Kasafirek E: 1086
Kasagi Y: 1742
Kasai K: 3630
Kasai N: 1909
Kasai Y: 2751
Kasakov L: 1106
Kasatkin IuN: 4065
Kashio N: 1910
Kashiwagura T: 1879
Kasirajan N: 1911
Kassirer M: 1779
Kasson CW: 3756
Kastin AJ: 460, 1912, 3240
Kastrup KW: 1913
Kasumova SIu: 1914
Kaswin R: 941
Kasza L: 1915
Katainen P: 2192
Katano Y: 1743
Katayama H: 1916
Kate SL: 2710
Katerenchuk IP: 1917
Kather H: 3671
Katiyar VN: 1918
Kato A: 3948
Kato H: 3909
Kato R: 1919
Kato Y: 5, 1920, 2851, 3629
Katori M: 1921
Katz FH: 310
Katz JM: 1383
Katz M: 438
Katz ME: 1116, 1922
Katz MS: 1923
Katz S: 1924
Katz SP: 1925
Katznelson D: 1926, 3404–3405
Kaufman H: 2198
Kaufman L: 1927
Kaufman R: 3816
Kaufman S: 630
Kaufmann J: 4417
Kauker ML: 3338
Kaul A: 1928
Kauli R: 1929
Kavaler F: 636
Kawade Y: 4056
Kawaguchi Y: 1930–1931
Kawahara H: 138
Kawahara K: 1932
Kawakami M: 1933
Kawamura J: 1934
Kawamura K: 1936
Kawamura M: 1935, 2639
Kawanishi K: 1936
Kawano N: 1937–1938
Kawano S: 1939
Kawashima K: 1940
Kawashima S: 1941
Kawazu S: 3570
Kay E: 1080
Kaye M: 2328, 3761
Kayes T: 1942
Kazachenko VN: 3174
Kazakov VM: 1943
Kaznacheev VP: 2142
Kazumi T: 4428
Keane PE: 2770
Kearney PJ: 3887
Keating RJ: 3957
Keating WJ: 1981
Kebabian JW: 729
Keck E: 1944
Keczkes K: 1945
Kędzia H: 1946
Keen P: 943
Keenan TW: 3454
Keesey RE: 1955
Keffer JG: 1947
Kehlet H: 440, 2333
Kehr JR: 1013
Keifer DW: 410
Keightley DD: 1948
Keil LC: 3583–3584, 3584
Keim HJ: 4239
Keiner F: 1949
Keitt AS: 2135
Kelemen J: 3341
Keleti T: 2945
Kellar KJ: 1570–1571
Kellaway IW: 2495
Kelleher RT: 2247
Kellen JA: 1100, 2451
Keller AW Jr: 217
Keller HE: 1572
Kelley DS: 1950
Kelley ST: 2403
Kellner BM: 1951
Kellokumpu-Lehtinen PL: 1952
Kelly DF: 1126
Kelly JP: 155
Kelly P: 2698
Kelly PA: 2012
Kelly PJ: 1121
Kelly RS: 84
Kelly TM: 1923
Kelly WF: 1953
Kel'manson AIu: 3966
Kember NF: 1954
Kemmler W: 1518
Kemnitz JW: 1955
Kemp RG: 2570
Kemple K: 2779
Kenanoglu A: 1956
Kendall B: 1799
Kendall DA: 1957
Kenessey A: 184
Kenis Y: 1958
Kennedy AC: 388, 740
Kennedy BJ: 1973
Kennedy JP: 3947
Kennedy JS: 2422
Kennedy TG: 1044, 2297
Kennett FF: 1959
Kennon S: 1960
Kent C: 734
Kenyon CJ: 1559
Keough EM: 1961
Kerchner G: 1186
Kercret H: 1962
Kerebel B: 784
Kerebel LM: 784
Kern M: 1963
Kern R: 1070
Kernes SM: 827
Kerr EJ: 2676
Kerr JH: 849
Kerr LP: 3245
Kersten W: 1964
Kerwin R: 743
Kesala BA: 3684
Kessler E: 968
Kessler MJ: 178
Ketelslegers JM: 3263
Ketenjian AY: 1795
Ketonen L: 1965
Ketterl W: 1966
Kettlewell MG: 4042
Keutmann HT: 1967
Khairi MR: 1968
Khan A: 147
Khan MA: 4282
Khan SA: 1969
Khan TR: 3238
Khar A: 1970
Khattab TY: 1971
Khodakova TD: 4008
Khodr G: 1972
Khristenko LA: 3023
Khrustaleva GF: 207
Khudoian EA: 985
Khzardzhian VG: 1870
Kiandarian GG: 981
Kiang DT: 1973
Kiarner IuK: 1974
Kibukamusoke JW: 2599
Kicovic PM: 1164
Kidd GS: 1315
Kieffer JD: 640
Kienia AI: 1975
Kierszenbaum F: 1925
Kiessling KH: 1976
Kigoshi S: 1977
Kikawada R: 140
Kikuchi R: 1978
Kilgore T: 3586
Kilker RD: 3275
Killian GJ: 3299
Kilpatrick D: 2253
Kilpper RW: 1143
Kim A: 1742
Kim DN: 1979
Kim JC: 1980
Kim JJ: 1641
Kim JK: 930
Kim KH: 2287
Kim MH: 1981, 2645
Kim RS: 2177
Kim TH: 1982
Kim YS: 1983–1984
Kimball FA: 1985
Kimberg DV: 1986

Kimbrough RL: 2277
Kime DE: 1606
Kimemiah SG: 2569
Kimihira A: 2815
Kimura H: 2637
Kimura M: 3879
Kimura Y: 1930
Kin M: 2501
Kincade PW: 1987
Kinch R: 1988
Kindahl H: 1379
Kindel GH: 4208
Kinemuchi H: 1978
King CR: 1989–1991
King CT: 4334
King LE Jr: 1992
King LW: 378
King MG: 2863
King RJ: 1625, 1993, 3306
Kingsbury EW: 4033
Kingston EJ: 1133, 3314
Kingston PJ: 1994
Kingstone D: 4232
Kinne R: 1995
Kinoshita F: 1996
Kinoshita Y: 1209
Kinouchi T: 1997
Kinsman RA: 785
Kint J: 2189
Kipping D: 2358
Kirby KL: 2497
Kirchner KA: 1998
Kirdani RY: 3451, 4405–4407
Kir'ianov GI: 3725
Kiricuta I: 1999
Kirillov VA: 2061
Kirk J: 3536
Kirkegaard BC: 1049
Kirkegaard C: 2000, 2237
Kirks DR: 2470–2471
Kirpatovskii ID: 2072
Kirsch T: 3845
Kirschenbaum MA: 2001
Kirschner PA: 77
Kirshner N: 2253
Kisailus EC: 2002
Kisfaludy L: 2733
Kishikawa H: 2047
Kishimoto S: 4400
Kishimoto T: 2872
Kishimoto Y: 2885
Kishitani M: 4107
Kisliuk SM: 162
Kiss R: 2395
Kiss T: 2003
Kistler A: 2004
Kita R: 2099
Kita T: 2005
Kitabgi P: 572
Kitagawa M: 3948
Kitamura S: 2006, 2718
Kitamura Y: 2007
Kitay JI: 1372
Kitsunai Y: 2867
Kiyono Y: 3632
Kjellman BF: 1906
Kjellstrand CM: 2008
Klaassen CD: 2085
Klahr S: 2009, 3712
Klantsa NA: 2010
Klase P: 3585
Klase PA: 3583–3584, 3584
Klass DJ: 2011
Kledzik GS: 2012
Klee CB: 24
Klee WA: 1791
Kleeberg U: 802
Kleefeld G: 3526
Kleeman CR: 2001, 2259–2260
Klein KL: 2013
Klein L: 627
Kleiner HS: 69
Kleinkauf A: 3153
Kleinman LH: 2376
Kleinmann D: 2014
Kleinsorge H: 419
Kleitke B: 2015
Klemi PJ: 2016–2018
Klemm C: 1280
Klemmer PJ: 2019
Klempa I: 2020
Kletzky OA: 3515
Kley HK: 2021–2022
Klimeš I: 2210
Klimova NF: 2023
Klimpel G: 1579
Klingbeil G: 2191
Klinger G: 4205
Klinger W: 802, 2024
Klingler W: 4202
Klint K: 701
Klintworth GK: 2859
Klisić L: 1770
Kliueva NN: 4009
Kloppenborg P: 291
Klopper A: 2025
Kloś J: 209–210
Klöss S: 4099
Klotz HP: 2026–2027, 2576
Klussmann R: 2028
Knapp HR: 2029
Knapp MS: 739, 1861, 2030
Knappwost A: 2031
Knepper PA: 2032
Knepshield JH: 1273
Knight AF: 227
Knight DE: 187
Knoll E: 2033
Knopp J: 2034–2035
Knospe WH: 27
Knoth M: 2765
Knowland J: 4308
Knowler JT: 170
Knox FG: 2036
Kobashi Y: 2813
Kobatake Y: 1879
Kobayashi K: 128
Kobayashi M: 3630, 3922, 4409
Kobayashi S: 734, 1208, 1692, 2037, 3875
Kobegawa A: 3418
Kobierska A: 2038
Kobylińska-Scieszkowa M: 3682
Koch G: 383, 2039
Koch KM: 2020
Kochetov GP: 2040
Kochubei BI: 2041
Kocián J: 2042–2043
Koda A: 2677
Kodaira R: 3456, 4254
Kodama M: 2044
Ködding R: 1636, 2045
Kodis M: 1337
Koehler B: 2046
Koerper MA: 679
Koffler A: 1189
Kofler C: 3807
Kofman O: 474
Kofman S: 2707
Koga Y: 4412
Kogan SJ: 2306
Kogure K: 2047
Kohen F: 3809
Kohler D: 2706
Kohler PO: 3669
Kohn CW: 2048
Kohner EM: 582
Kohoutek F: 2049
Kohoutek M: 2049–2050
Kohri H: 3419
Köhrle J: 1636
Kohrman AF: 2051
Koide H: 2052
Koide SS: 526
Koivusalo F: 2289, 2461
Koizumi K: 2053–2054
Koizumi N: 3963
Kojima T: 2637, 4408
Kok SH: 3022
Kokot F: 3069
Kokunin VA: 2084
Kolarić K: 3363
Kolata GB: 2055
Kolattukudy PE: 1983
Koldovsky O: 1683
Kolena J: 3549
Kolesnikova LI: 2142
Kolesov DV: 2056
Kolff WJ: 4277
Kollárová A: 3852–3853
Kolodkin A: 2196
Kołodziej-Maciejewska H: 4473
Kołodziejski L: 3899
Kolosovskii VM: 3051
Komarnicka R: 4260
Komissarenko IV: 3716
Kommerell B: 3671–3672, 3672
Komolov IS: 1077
Komolova GS: 2443
Komorek T: 1822
Komorowska A: 2057
Kondo H: 2058, 2827
Kondo K: 2059
Kondo T: 928, 2060
Kondratiuk TP: 2160
Konev SV: 1109, 2061, 4209
Konijn TM: 2519
Koniukhov BV: 503
Konno M: 1212
Konnov BA: 4097
Kono M: 842
Kono T: 2062
Konoshenko GI: 3891
Konrad K: 3010
Konrads A: 2063
Konstantinov P: 2064
Konstantinova TK: 2065
Kontinen E: 3016
Kontula K: 1804, 2066
Konturek SJ: 2067
Konvolinka CW: 2703
Koo SI: 2068
Koob P: 439
Kooguchi J: 4092
Koopman-Kool E: 4132
Koos B: 3487
Kopeć P: 4066
Kopecký A: 4196
Kopečný J: 2049
Koppe G: 2069
Koppe JG: 2483
Koppikar S: 2555
Kopriwa BM: 2955
Kopsa H: 2070
Korc M: 4339
Korcek L: 3901
Korchagin VP: 2071
Kordon C: 1034
Koreeda M: 3963
Korenman SG: 2100
Korkina MV: 2072
Kornev BM: 3227
Koroleva TR: 2092
Koroliuk IP: 2073
Korostovtsev DS: 2092
Korovin KF: 3239
Korshin J: 440
Korte I: 2074
Korzon M: 2075
Korzon T: 2075
Kosaka K: 2006
Kose WH: 1981
Kosek J: 4195
Kosel K: 2397
Kosenko AF: 2076
Koshikawa S: 2077
Koshimizu T: 2078
Koski K: 2730
Koskimies AI: 2079
Kosowicz J: 1276, 2080–2081
Kostakopoulos A: 3543
Kostetskii EIa: 2082
Kostiuk PG: 922
Kosuba RB: 2083
Kotchen TA: 1998
Kotoh K: 4057
Kotoulas K: 4200
Kotsiuruba AV: 2084
Kotsonis FN: 2085
Kotwas J: 2086
Kotwica J: 2132
Kountz SL: 4418
Koutras DA: 3291
Kouvonen I: 2374
Kovács GL: 393
Kovacs K: 306, 1100, 2087–2088
Kovalchik MT: 2089
Kovalenko TM: 1943
Kovalev NM: 2913
Kövesi G: 99
Kowal DM: 1163

Kowalski M: 1902, 4371
Kowalski MA: 3858
Kowalski WJ: 2090
Kowanko I: 2030
Kowarski AA: 1002
Koyama M: 2522
Koyama T: 2091
Kozák I: 1499
Kozak W: 800
Kozhemiakin LA: 2092, 3431
Kozlova LP: 2093
Kozlowski K: 2094, 3788
Koźniewska H: 2095
Kraama R: 2289
Krachmer JH: 2096
Kraemer DC: 1339
Kraevskiĭ NA: 2097
Krafft W: 2098
Kraft B: 3521
Kraft G: 2518
Kragelund E: 967
Kraiem Z: 2865, 3405
Krajewska B: 2038
Krakowiak R: 2099
Krall JF: 2100
Kramer HJ: 2101–2102
Kramer L: 3777
Kramer P: 1202, 3521
Kramer RE: 1402, 3386
Kramsch DM: 2103
Krantz D: 278
Krantz SB: 256
Kranz D: 2104
Krapez J: 2105
Krasnokuki D: 4304
Krasnova AI: 4060
Krass PM: 2106
Kratochvíl O: 3762
Krauchi K: 4359
Kraus H: 3863
Krause W: 2107–2108
Krawczyński J: 382
Krebs EG: 1089
Kredich D: 4220
Kreines K: 121
Kreis H: 2109
Kremer G: 1866
Kremers P: 2110
Krempien B: 2111, 3297
Krepkaia VK: 2112
Kressel HY: 2113
Kretova NE: 2114
Kretsinger RH: 518
Kreusser W: 2115, 2556
Kreusser WJ: 2159
Kreuzer H: 4290
Krey LC: 2116, 3700
Krikorian JG: 2117
Krisch K: 2118
Krishna G: 1898
Krishna KV: 2119
Kristensen O: 3493
Krivenkova EM: 2120
Krivit W: 3510
Krivitsky A: 2121
Krivitzky A: 2122
Križanová O: 2123
Krizsa F: 4157
Krnjević K: 2124
Krodich NM: 1596
Kröger H: 2125
Krokhina EM: 3760
Kronauer RE: 2126
Krook PM: 66
Krueger WA: 2127
Kruglikov RI: 2128
Kruglova GV: 3647
Kruip TA: 325
Krulich L: 2129, 4186
Krupińska-Sanecka I: 3699
Krupp PP: 1197
Kruse H: 2130
Kruse K: 2131
Krüskemper HL: 2021, 3382
Krzymowski T: 2132
Ksander GA: 2133, 4195
Kubek M: 639
Kubota K: 2134, 2824
Kucharczyk J: 2647
Kücükcakirlar T: 3247
Kudriavtseva NN: 3113
Kuehl FA Jr: 341
Kuehnle JC: 2575
Kuenn JW: 2135
Kuettner KE: 3408
Kugai N: 2136–2137
Kuhajda FJ: 2138
Kuhn H: 419
Kuhn O: 2139
Kühndel K: 3381
Kühne W: 2140
Kuklina AA: 1767
Kukreja SC: 1525, 4336
Kuksis A: 1561
Kulay L Jr: 4191
Kulcsár A: 2143
Kuliev AKh: 2141
Kulikov VIu: 2142
Kulka RG: 123
Kulkarni VS: 3596
Kulscár-Gergely J: 2143
Kuma K: 3926
Kumagai A: 3417, 4395
Kumagai I: 4054
Kumagaya M: 644, 2525, 4055
Kumahara Y: 2144, 2869
Kumakura K: 2145
Kumano M: 2146
Kumar R: 2445
Kumar SA: 2147
Kumari GL: 2148
Kumasaka T: 2091
Kume T: 2149, 4020
Kumegawa M: 2150
Kun I: 773
Kundu N: 2151
Küng W: 1709
Kuni H: 3153
Kunimi H: 2886
Kuno K: 44
Kunovská V: 3399
Kuntziger H: 2152
Kunze D: 2094
Künzig HJ: 3530
Kupfer D: 509
Kupferman A: 2277
Kurachi K: 2640
Kuraishi Y: 2153
Kuramoto A: 3923
Kurata S: 2813
Kurbatov VS: 2773
Kurdybaĭlo FV: 2154
Kurihara K: 1879
Kuriowa Y: 2718
Kurland LT: 110
Kurlander RJ: 2357
Kurlov T: 2155
Kurman RJ: 2156–2157, 3951
Kuro M: 2885
Kuroda M: 2158
Kurokawa H: 4412
Kurokawa K: 2013, 2159
Kuroyanagi M: 2903
Kurskiĭ MD: 2160
Kurtz DT: 1081
Kurtz RC: 597
Kurtz SM: 2606
Kurtzman NA: 2161–2162
Kurultay N: 4067
Kurup PA: 3058
Kurz C: 2163
Kurz W: 2164
Kurzon RM: 2165
Kusaka K: 2524
Kusaka T: 1764
Kusano E: 140
Kushi Y: 3635
Kushnerova NF: 2082
Kushnir VE: 2076
Kuska J: 3069
Kusmik WF: 3279
Kuśnierczyk W: 2166
Kusyk C: 1176
Kutsuzawa T: 3937
Kutt H: 4077
Kuttenn F: 2167, 2540
Kutti J: 1833
Kuwamura T: 1940
Kuzel M: 2168
Kuzin AM: 3720
Kuznetsova LA: 3563
Kuznetsova LV: 2169
Kvesitadze GI: 2170
Kvetny J: 2171–2172
Kwa HG: 2173, 3945
Kwak HM: 3400
Kyner JL: 4225
Kyong CU: 2174
Kyrein HJ: 3319

L

La Brooy SJ: 853
La Vorgna KA: 1232
Laakmann G: 2175
LaBan MM: 2176
Labat ML: 2604
LaBella FS: 2177
Labhart A: 2178
Labrie F: 956–957, 2012, 2179
Lach I: 2046
Lacombe B: 3849
Lacombe M: 2109
Lacour B: 3505
Lacroix E: 2180–2181
Lacy PE: 4270
Ladefoged J: 2433
Ladehoff P: 2182
Lafarga M: 2183
Laffan RJ: 1528
Laffargue P: 285
Laffi G: 1281
Lagacé L: 2179
Lagasse LD: 3496
Laghi A: 4039
Lagier R: 242
Lagrou A: 877
Lagrou AR: 878
Lagrue G: 2184
Lagueux M: 1344
Lahlou B: 3118
Lähteenmäki P: 2809, 4015
Lai H: 1678
Lai JC: 3450
Lakomik Z: 2166
Lakowski R: 2185
Lakshmanan J: 2186, 4439
Lamarque JL: 2760
Lambe R: 2187
Lamberg BA: 2188
Lambert M: 2439
Lambert PW: 3283
Lambeth JD: 3588
Lambie AT: 1304
Lambrey G: 1154
Lameire N: 2189
Lamers CB: 2190
Lamid S: 2191
Lamke B: 790
Lammens M: 3301
Lamming GE: 18, 512
Lammintausta R: 2192–2193
Lämmle B: 3539
Lamon JM: 2194
Lamour Y: 2124
Lampa E: 559
Lampert RP: 2195
Lamster I: 2196
Lance JW: 2197
Lancranjan I: 854
Land H: 1635
Landau B: 2198
Landau H: 2199
Landau RL: 2200
Landfield PW: 2201
Landon EJ: 2725
Landon J: 608
Lands WE: 2202, 4137
Lane SM: 2203
Lanes R: 1002
Lang F: 1399, 2204
Lang M: 1193
Lange AP: 2221
Lange D: 2205
Lange E: 2206
Lange HH: 2207
Lange S: 1661
Langeland N: 2208
Langer GA: 2209

Langer P: 2210
Langley PE: 521
Langone JJ: 2211
Långvik VA: 1730
Lanham PR: 2212
Lankin VS: 2213
Lansac J: 2234
Lanthier A: 2991
Lapierre YD: 3229–3230
Lapin V: 2214
Lapis K: 3894
Lapp WS: 3553
Lapushinskiĭ DP: 2536
Laragh JH: 581, 2215–2216, 4239, 4275
Larbig W: 2217
Larbre F: 2972
Larengood RW: 2218
Larke D: 2761
Laron Z: 1929
Laros GS: 2577
Larranaga A: 2623
Larrauri OM: 2219
Larraza O: 1057
Larroque P: 1486
Larsen J: 2220
Larsen S: 2221
Larsen WJ: 2222
Larson BA: 4138
Larsson A: 1560, 2223, 3333
Larsson B: 2224
Larsson L: 2225
Larsson LI: 2226
Lasch E: 2199
Lasfargues EY: 4116
Laskavaia AI: 2292
Lasne Y: 3443
Lasneret J: 2227
Laspia MF: 4337
Lasson U: 2131, 2228
Lassus A: 2229
Lata GF: 4063
Latarjet R: 4448
LaTegola M: 1896
Latham WC: 1992
Latte B: 3288
Lau HC: 1683
Lau HL: 2230
Lau IF: 3423–3424, 3424
Lau Cam C: 225
Laufer J: 2231
Laughlin WC: 1514
Laughren TP: 2232
Laugier C: 2233
Laumen G: 434
Laumosne J: 2234
Laurberg P: 2235, 4278
Laurence BR: 2272
Laurence KM: 2236
Laurence L: 2995
Lauridsen UB: 2237
Lauritzen C: 2238–2239
LaVail MM: 2240
Lavigne ME: 4333
Lavoie JC: 1298
Lavrushko IL: 2241
Lawaczeck R: 1674
Lawler SD: 2242
Lawler W: 923
Lawley PD: 1182
Lawrence B: 2243
Lawrence CC: 1794
Lawrence KW: 2230
Laws ER Jr: 110, 914
Lawson DE: 2203
Lax ER: 1295
Laxén F: 3391
Laychock SG: 1512, 2244
Lázár G: 2245
Lazareva LV: 2246
Lazarov E: 4161
Lazarova MB: 3790
Lazer ES: 2247
Le Chevallier PL: 860
Le Fur G: 2248–2249, 4110
Le Van F: 1266
Lea MA: 1875
Lea TJ: 145–146
Leake RE: 1993
Leaming AB: 2516
Leatherland JF: 3735
Leavitt WW: 2250
Lebech P: 1913
Lebech PE: 2251
Lebenthal E: 3352
Leblanc W: 226
LeBoeuf A: 2252
Leboulleux P: 1046
Lebret M: 3254
Lec MH: 2311
Lecander I: 1657
Lechner JJ: 3092
Leckie BJ: 2614
Lecomte P: 2540
Lecot F: 2300
Ledbetter FH: 2253
Lederman E: 2254
Lederman RP: 2254
Ledet T: 2255
Ledger WJ: 2256
Ledingham JG: 2695, 3988
Ledoux-Lebard G: 400
Lee A: 159
Lee AG: 2257
Lee C: 2258
Lee DB: 2259–2260
Lee EG: 4042
Lee G: 1987
Lee HM: 3987
Lee HS: 2261
Lee JK: 2262
Lee K: 1927
Lee KH: 2287
Lee KT: 1979
Lee MR: 3029
Lee PA: 1002, 2263, 3357, 4104
Lee PW: 2264
Lee TF: 743
Lee TG: 2265
Leeman SE: 572
Lees AW: 2266
Lees WR: 2267
Leeson M: 1516
Lefaivre J: 223–224
Lefcoe MS: 3212
Lefcoe NM: 3212
Lefebvre G: 3187
Lefebvre J: 835
Lefer AM: 2268, 3731
Lefkowitz RJ: 2269
Leger FA: 245
Legerstee WC: 190
Legge M: 289, 3407
Legname AR: 2270
Legros JJ: 2271
Legum C: 852
Lehane MJ: 2272
Lehman RA: 2273
Lehmann F: 2274
Lehmann V: 2275
Lehmann WD: 2238
Lehninger AL: 58
Lehotay DC: 4179
Lehrach H: 2276
Leiba S: 2198
Leibowitz HM: 2277
Leicht E: 2278
Leichter SB: 2279
Leiderman S: 3380
Leidl W: 294
Leistner L: 1668
Lejeune LP: 1184
Lejonc JL: 2280
Lema M: 2850
Lemaire I: 2282
Lemaire S: 2281–2282
LeMaire WJ: 4038
Lemarchand-Béraud T: 2283
Leme CE: 4231
Lemkes HH: 2284
Lemmon WB: 2285
Lenaerts F: 3328
Lendoyro A: 759
Leng L: 183
Lenko HL: 2731
Leńko J: 2286
Lennard-Jones JE: 3136
Lenoir G: 3765
Lent BA: 2287
Lenys D: 372
Lenz F: 3503
Leodolter S: 1425
Leon A: 4011
Leonard NJ: 3501
Leonardi RG: 2288
Leong AS: 4064
Leong P: 4040
Leoty P: 855
Leppäluoto J: 2289, 2461
Lerario AC: 2290
Lerner RL: 4273
Leroux JL: 1154
Leroy G: 426
Lesage J: 157
Lesbordes JL: 1486
LeShon SL: 2100
Leski M: 530
Leslie GA: 2090
Leslie RD: 2291
Lesnykh LD: 2292
Lestage J: 4145
Lester GE: 2293
Lester PD: 2294
Lester R: 4152
Letcher RL: 2216
Letellier MA: 2295
Leung BS: 2296
Leung PC: 2297
Leunissen WJ: 2298
Leuschen MP: 2681
Levchenko LI: 3160
Leveille GA: 3342
Leven M: 3470
Leventhal H: 336
Lever JD: 3445
Lévesque HP: 2299
Lévesque R: 1184
Levey GS: 4179–4181
Levi J: 1060
Leviel V: 599
Levilliers J: 2300
Levin S: 1316
Levin V: 2837
Levine GA: 561
Levine GD: 2301
Levine JH: 2302
Levine L: 2303
Levine LS: 2304
Levine RA: 2305
Levitt RG: 1908
Levitt SB: 2306
Levitzki A: 2307, 3287
Levrier M: 2308
Levy B: 2309
Levy CL: 2310
Lévy D: 195
Lévy JP: 2311
Levy M: 2312
Levy SB: 2313
Lewelt W: 2095
Lewicki JA: 2314
Lewis BM: 2315
Lewis D: 1780
Lewis L: 3019
Lewis LA: 2450
Lewis MB: 2316
Lewis MJ: 2480
Lewis PR: 3589
Ley CW: 4293
L'Hermite M: 2317
Li CH: 523, 588, 1361, 2318, 4050
Li CK: 2319
Li JJ: 2320
Li S: 2446
Li SA: 2320
Li Vecchi M: 891, 2321
Li Volsi V: 2355
Liang CS: 2322
Liang HM: 1703–1704
Liashuk PM: 2323
Licht P: 1236
Lichtenstein LM: 2488
Lichtsteiner M: 4359
Lickrish GM: 2451
Lidbrink E: 4227
Liebau G: 326
Lieberherr M: 1241
Lieberman A: 3214
Lieberman ME: 2324
Lieberman PH: 2985
Liebermann H: 200

Liebhardt E: 4041
Lieblich JM: 2325, 4033
Liedholm H: 2563
Liedholm P: 2326
Liedtke MP: 3559–3560, 3560
Lief PD: 2327
Liegler D: 1867
Lien J: 2328
Lien KW: 2329
Liendo-Ch P: 608
Ligabue A: 4481
Liggins GC: 1322
Light A: 455
Liira J: 1730
Liljeqvist L: 2830
Lilley JJ: 2313
Lim H: 311
Lim P: 4419
Lima JA: 2330
Limbird LE: 2269
Lin HN: 654
Lin MC: 2331
Lin MT: 2332
Lin PY: 3342
Lincoln DW: 4136
Lincoln GA: 1630
Lindenauer SM: 4276
Linder J: 3191
Lindgreen P: 3226
Lindgren J: 158
Lindgren U: 2334–2335
Lindholm J: 1314, 2333
Lindholm TS: 2334–2335
Lindner HR: 2324, 2618
Lindqvist M: 562
Lindsay R: 1093, 2336
Lindsey AM: 2337
Lindstedt G: 1790
Lindsten J: 2586
Lindström C: 1702
Lindstrom RR: 703
Linehan JH: 1413
Linehan WM: 2338, 4294
Lineweaver JA: 1423
Lingappa VR: 2339
Linkins SE: 2230
Linkola J: 2340
Linnabary RL: 1662
Linquette M: 835, 2341
Lins LE: 2808
Lins PE: 984
Linse R: 2342
Lintern-Moore S: 2343
Linzbach P: 2601
Lippman D: 776
Lippman M: 688, 2344
Lipset JS: 3794
Lipshultz LI: 1566, 2345
Lipton A: 2243
Lipton S: 2346
Lis M: 3483
Lisbona R: 2347
Lise M: 906
Lisk DJ: 4436
Liss M: 626
Lissitzky S: 3914–3915
Lissner GS: 2348
Lister DB: 1838
Litmanovitch YI: 2164
Little BA: 3913
Little RA: 2349
Litvinova LA: 507
Litwin SD: 593
Liu KM: 4333
Liu SK: 2985
Liu-Barnett M: 1478
Livesey JH: 3541
Livingston A: 4265
Livshits IB: 2350
Livshits RE: 1765
Ljunggren B: 2351
Ljunggren JG: 1874
Lloyd HM: 1783
Lloyd KG: 2352
Lloyd RD: 2353
Lo GC: 1492
Lo SC: 2354
Lo Gerfo P: 2355
Lo Presti T: 721
Locatelli V: 1301
Lodge J: 2252
Loeb JM: 3548
Loew GH: 2356
Löfström A: 1224
Logue GL: 2357
Logvinenko NS: 2106
Loh HH: 4050
Lohman TG: 3713, 4358
Lohmar P: 4014
Löhr H: 4203
Lohrisch I: 2358
Loizzi RF: 2359
Lojek RM: 4441
Lombardi L: 2360
Lombardi P: 2361
Lombroso GC: 766
London DR: 1884
Londos C: 2362
Long A: 295
Long RG: 2363
Longin F: 3492
Lönnroth I: 1661
Lonsdale HK: 188
Loo JC: 2364
Lopatin RN: 2365
Lopes Cardozo E: 2785
López JM: 3324
Lopez R: 1352
López-Luque A: 1824
López-Novoa JM: 2922
Lorber D: 3191
Lorcy Y: 65
Lord GD: 2197
Lord L: 2424
Loré F: 2366
Lorenc RS: 2293, 2367
Lorens SA: 2368, 4208
Lorenz V: 1927
Lorenzen JR: 2369
Lorenzin A: 2508
Lorenzo ND: 2370
Lorez HP: 805
Lössl HJ: 4211
Loten EG: 4373
Lough J: 1988
Louis S: 4077
Louis WJ: 2428
Loup P: 1350
Louvet JP: 2455
Lovaco F: 298
Lovejoy FH Jr: 2371
Loveless MO: 1878
Loven DP: 3828
Loveridge N: 2372
Lövgren T: 2373–2374
Lovrien EW: 1991
Löw O: 2375
Lowe JE: 2376
Lowell FC: 2377
Lower R: 3987
Lowry PJ: 3666
Lowry SF: 2378
Loza D: 51
Lozada F: 2379
Lu HY: 652
Lubbe WF: 2906–2907
Luben RA: 2380
Lubs HA: 4173
Lubsanova SD: 3113
Lucas A: 2381, 2632
Lucas ZJ: 1710
Lucchesi JC: 2382
Luchitskiĭ EV: 3716
Luciano AA: 3279
Lucie NP: 3829
Lucsko M: 1433
Lucy JA: 3190
Lüderitz B: 2383
Ludwig E: 4458
Ludwig H: 2384–2385
Luft FC: 3142
Luft R: 2386
Lui KF: 4419
Lui VK: 1982
Lukács G: 189
Lukács J: 2387
Lukasewycz OA: 949
Luke RG: 1998
Lukešová S: 1499
Lukina NA: 2388
Lumb G: 2389
Lumholtz IB: 2000
Lun S: 2390
Lund B: 2237
Lundak TC: 1231
Lundbaek K: 650, 2938
Lundberg B: 2373
Lundberg JM: 3527
Lunde O: 2391
Lundkvist O: 2735
Lundqvist H: 1412
Lunell NO: 564, 2392
Lunenfeld B: 2864–2865, 3404–3405
Lupini A: 2564
Luqman W: 3503
Luria M: 1227
Lustbader IJ: 452
Lustenberger N: 2393–2394
Lustyik G: 2395–2396
Lutfi AM: 2397
Lutman ME: 576
Lutold B: 890
Luton JP: 1549, 1840
Luukkainen T: 2398, 2809, 4015
Ly B: 2399
Lyakas RI: 3759
Lymangrover JR: 2400
Lynch G: 481, 2201
Lynch HJ: 2401, 4344
Lynch SS: 1884
Lynch VD: 225
Lynn AG: 472
Lynskey CP: 3407
Lyons CD: 3850–3851
Lyons KP: 478
Lyttle CR: 3557

M

Ma GY: 2402
Ma L: 4297
Ma NS: 2403
Maas AH: 3383
Maayani S: 1390
Mabuchi Y: 4264
McAdoo DJ: 719
McAfee DA: 433–434
McAlister WH: 2294, 3657
McAllister RG Jr: 1744
McAnalley BH: 1254
McArdell LB: 237
Macaulay WL: 570
McBride JH: 2404
McCann DS: 2254
McCann SM: 2129, 2776, 2881, 3344, 4186–4187
McCarty JR: 3308
McCauley R: 3610
McClain CJ: 4152
McClellan JR: 3556
McClennan BL: 2262
McClintock MK: 2405
Macco RA: 3554
McColl I: 2946
McCool C: 3503
McCord S: 3601
McCormack SA: 667
McCrary JA 3d: 3669
McCready J: 2406
McCulloch GA: 4064
McCulloch J: 982
McDaniel ML: 4270
Macdonald HN: 3063
MacDonald JF: 2124
McDonald JJ: 97
McDonald JR: 1079
McDonald LJ: 3656
MacDonald P: 2602
MacDonald PC: 3538
McDonald WJ: 3129
Macera C: 2407
McFall E: 1565
McFarland SS: 2353
McFarlane J: 3078
McGeorge AP: 1120
McGhee G: 934
McGiff JC: 2764, 4377
McGilveray IJ: 2364
McGinnis JF: 2408
McGrath CM: 4413

McGrath PA: 1645
Macgregor GA: 3369
MacGregor IL: 4333
McGregor WH: 2409
McGuire JC: 2410
McGuire JL: 2986
McGuire WL: 1688, 2411
Machado RD: 2893
MacHenry JC: 2412
Machida S: 1936
Machín-Santamaría C: 2413
Macho L: 2414
McHugh PR: 1140
Maciejewska J: 3452
McInnes RR: 3967
McIntosh C: 1202
McIntosh GH: 2415
MacIntosh PK: 2416
MacIntyre DE: 2417
McIntyre OR: 1144
Mack TM: 2418
McKay AJ: 1746
MacKay SA: 2419
McKay Hart D: 1093
McKenna RW: 693
MacKenzie ET: 1120
MacKenzie RG: 2420, 3208
Mackenzie RL: 1502
Mackerer CR: 2421
Mackie CR: 2668
McKillop JH: 2422
Mackinlay AG: 255
McKinstry DN: 581
McKnight GS: 3491
McLaughlin P: 2450
McLean JG: 3743
MacLennan IC: 2423
MacLennan WJ: 3742
Macleod SC: 2424
Macleod VH: 710
McManany JL: 1306
McMann BJ: 2666
McMillan MJ: 4152
McMillen IC: 2425
McMorris FA: 2426
McNamara JO: 2427
McNamara TC: 443
McNeil JJ: 2428
McNeil RW: 3210
McNeill JR: 2963
McNeilly A: 608
McNeilly AS: 694, 2429
McNulty WP: 2450
McPartland RP: 898
McQuillen MP: 2430
Macrae DJ: 3595
McShane M: 1096
McTaggart HS: 482
McVie JC: 482
Madarnas P: 1184
Maddrey WC: 2431
Madroñero R: 700
Madsen CM: 1085
Madsen S: 2432–2433
Madsen SN: 440
Maeda T: 1553, 2827
Maeder MC: 3772
Maejima K: 3636
Maekawa A: 1996
Mäenpää PH: 1888
Maesaka H: 2434
Magalhães MC: 2435
Magalhães MM: 2435
Magenis E: 1989–1990
Maggiano JM: 2787
Maggiore G: 3070
Mägiste M: 10
Magnan J: 2281–2282
Magnati G: 3844
Magnusson MR: 4479
Magnusson T: 1250
Magolda RL: 2798
Magrini F: 2792
Magrini U: 3070
Maguire ME: 358
Magyar DM: 2436
Mahara F: 1742
Maharajan G: 2437
Maher MM: 2378
Mahesh VB: 142, 1386
Mahoney PG: 2030
Mai JK: 2438
Maier P: 750
Maillard C: 2439
Maillet R: 656
Mainoya JR: 2440
Mains RE: 998
Mair HJ: 4343
Maire I: 2972
Maiskiĭ AI: 4165
Majde JA: 1623
Majewski S: 4363
Majumdar SK: 2441
Makarova LV: 2246
Makarski JS: 2805
Makasewicz J: 19
Makatsaria AD: 2442
Makeeva VF: 2443
Makheja AN: 492
Makhlouf GM: 387
Maki Y: 44
Mäkinen PL: 3196
Makman MH: 4233
Makoui T: 980
Malaisse WJ: 1590, 3570
Malaiyandi M: 2444
Malan J: 463
Malanowska S: 1105
Malaponte E: 3468
Malasanos LJ: 3697
Malaspina HC: 3254
Malaviya AN: 2445
Malbon CC: 2446
Malecka-Tendera E: 2046
Malekzadeh MH: 2447
Malfroy B: 1418, 2448
Malhotra KC: 2710
Malhotra KK: 2445
Malhotra N: 91
Malik KU: 4377
Malinak LR: 3053
Malinkovich VD: 2449, 3715
Malinovská M: 3399
Malinow MR: 2450
Malishevskaia VA: 458
Malkin A: 2451
Malkinson M: 2090
Mal'kovich VK: 4162
Malley BW: 3512
Mallick NP: 923
Malloci A: 3945
Mallon JP: 407
Malluche HH: 3297
Małofiejew M: 3321
Maloof F: 640, 2771
Malpuech G: 1369
Maltier JP: 590
Malvano R: 1296, 2452
Malven PV: 3490, 3675
Mamiya N: 2815
Mamyrbaev AA: 3603
Man NK: 4475
Manassakorn J: 116
Manberg P: 362
Manconi PE: 3108
Mandai N: 3935
Mandai T: 2869
Mandák M: 3852–3853
Mandel F: 3873
Mandel LR: 2453
Mandel P: 3364
Mandelbaum J: 2540
Mandell AJ: 1292
Mandio D: 3366
Mandrik KA: 354
Manelfe C: 2454–2455
Manganiello VC: 4044
Mangat HK: 2456
Mangiapane ML: 3677
Mangos JA: 2457–2458
Manian AA: 3027
Manini P: 428
Mankin HJ: 2459, 2839
Manku MS: 1684
Mann T: 2460
Manning AC: 1177
Manning M: 203
Männistö PT: 2461
Mannley N: 84
Manoli RS: 2462
Mansel RE: 2463
Manson JI: 3021
Mansour TE: 2841–2842
Månsson B: 2464
Manthorpe R: 2465
Manuilova IA: 2466, 3169
Manyon AT: 4405
Maouia H: 3849
Mar MH: 980
Maraček I: 2467–2468
Maraffi M: 3316
Maraini G: 435
Marakowski J: 3223
Maranzana A: 2469
Maraud R: 3836
Maravilla AM: 2470–2471
Maravilla KR: 2470–2471
Marbach P: 854
Marberger M: 3049
March CM: 2472–2473
Marchand JP: 3848
Marche P: 2474
Marchelidon J: 2475
Marchenko NI: 3766
Marcialis MA: 3108
Marciniak M: 3699
Marcopoulos-Duriez M: 3543
Marcoux A: 3849
Marcus AJ: 2476
Marczyńska A: 2477
Marder SR: 4146
Margolese MS: 2478
Margolis MG: 4162
Margolius HS: 3219
Margotat A: 2479
Margules DL: 2480
Mariani G: 275, 851
Marich M: 2508
Marie P: 1319, 4475
Marigliano V: 2722
Marinchenko GV: 2481
Maringoni RL: 156
Marinković-Ilsen A: 2069, 2483
Marinova G: 2484
Marion D: 1306
Markandu ND: 3369
Markey SP: 2723
Markiewicz K: 2485
Markov KhM: 2773
Markova LG: 1226
Markovic M: 2486
Marks GS: 3819
Marks P: 2487
Marmo E: 559
Marone G: 2488
Marongiu ME: 3108
Maroteaux P: 558
Marotta SF: 1317, 3696–3697
Marriott C: 2495
Marrone BL: 1075
Maršál K: 3036
Marsden CA: 22, 2489
Marsden CD: 1816
Marsh FP: 4134
Marsh JM: 4038
Marshall DH: 760, 2490
Marshall DM: 1844
Marshall I: 1408
Marshall JH: 2491
Marshall JR: 2436
Marshall JS: 2492
Marshall L: 1303
Marshall NJ: 1305
Marshall S: 2493
Marshall WH: 1063
Marshall WP: 2494
Martens M: 944, 3807
Martial JA: 3550
Martin DC: 2306
Martin GP: 2495
Martin IL: 710
Martin JB: 3977
Martin L: 2496
Martin N: 3187
Martin R: 2400, 4274
Martin RP: 2296
Martin SL: 3337
Martin SW: 2497
Martin TJ: 1470, 1659
Martinet L: 63

Martinet M: 2498
Martinez Campos A: 1057
Martínez González JL: 3434
Martínez González JM: 3434
Martinez-Maldonado M: 556
Martini L: 2506
Martino I: 3316
Martinón JM: 3106
Martins AN: 3876
Marton J: 2499
Marton LJ: 1365
Martorana G: 1313
Martucci C: 1119
Martyniuk AD: 1331
Marumo F: 140
Marusic ET: 3324
Maruszczak A: 2182
Maruta T: 3351
Marutzky R: 1675
Maruyama A: 2869
Marx JL: 2500
Marx SJ: 3781
Marynick SP: 2194
Marz L: 178
Mas M: 72
Mas Garcia M: 2506
Masaoka A: 2501
Masel J: 2094
Masera G: 220
Mashak SV: 2502
Mashburn H: 4417
Mashchok SK: 354
Mashiach S: 2864
Mashiko H: 2748
Mashito T: 2503–2504, 2504
Maslar IA: 3279
Mason AD Jr: 1593
Mason JI: 2505
Mason NR: 1214
Mason WF: 547
Massa R: 2506
Massara F: 2507, 2653
Massarotti M: 2508
Massé S: 1184
Massey EW: 2509
Massicotte J: 2179
Masson JP: 2510
Masson WK: 745
Massry SG: 45, 1189, 2159, 2511–2512, 3297
Masters P: 3078
Masterson BJ: 1073
Masuda T: 3909
Masuda Y: 4396
Masui H: 2513
Masuyama T: 2514
Mataradze GD: 633
Matějková J: 3399
Matesha EI: 2515
Mathar R: 1817
Mathews A: 566
Mathias MM: 2580
Mathieu M: 3443
Mathur RN: 3619
Mathur RS: 2516–2517
Mathur S: 2517
Matia JC: 3120
Matilla A: 2825
Matlib MA: 2518
Mato JM: 2519
Matoba T: 2520
Matoušková O: 3284
Matovinovic J: 2482, 2521
Matsaniotis N: 704
Matsenbaugh S: 2263
Matsiuk IaR: 4074
Matsubara K: 3455
Matsubara T: 2522
Matsubayashi T: 140
Matsuda M: 1761, 3879
Matsuda T: 171
Matsui I: 2523
Matsuka G: 3909
Matsukura S: 1544
Matsumoto K: 2007, 2524, 2640, 2678, 3909
Matsumoto N: 128
Matsumura S: 2811
Matsumura Y: 1205, 2687
Matsuo N: 644, 2525, 4055
Matsuoka K: 2615
Matsuoka N: 3417, 4395
Matsushita Y: 1538, 2684
Matsuura M: 2526
Matsuura N: 6, 1212, 1910
Matsuzuka F: 3926
Matta CS: 3943
Mattar E: 4231
Mattei A: 1164, 2527, 3368
Mattenberger M: 2801
Matter A: 1709
Matthaei D: 1202, 2385
Mattheij JA: 2528
Mattheus A: 2529
Matthews JL: 2530
Matthews MJ: 2531
Matthys H: 793
Mattner PE: 3194
Mattos CE: 736–737
Mattox S: 159
Mattsson W: 2532
Maturo JM 3d: 2533
Matussek N: 16, 2534–2535
Matuszewski DS: 407
Matveev AA: 2536
Mauborgne A: 3012
Mauchamp J: 2479, 3914–3915
Mauray F: 679
Maurer HJ: 2537
Mauri M: 413
Mauriello A: 2330
Mauvais-Jarvis P: 2167, 2538–2540
Mauzerall DC: 3067
Max SR: 2541
Maxon HR: 2542
May B: 3095
May CD: 2543
Mayama K: 3918
Mayanagi Y: 2544
Mayar MQ: 2545
Mayer B: 2546
Mayer CJ: 4379
Mayer D: 4357
Mayer S: 1546
Mayeri E: 442
Mayfield MA: 2129
Maynard DE: 3156
Maynard PV: 1993
Mays CW: 2353, 2547
Mazess RB: 637
Mazières B: 2548
Mazis M: 2549
Mazumdar S: 2651
Mazur M: 3895
Mazur Y: 975
Mazurek W: 1477
Mazzaferri EL: 3694, 3772
Mazzari S: 4011
Mazzocchi G: 2855
Meade CJ: 2550
Měcháček J: 2551
Meco G: 2552
Medline A: 2921
Mędraś M: 2553
Medvedev VN: 4106
Meecham J: 1178
Meek ES: 3828
Meema HE: 2554, 4167
Meema S: 2554
Meerschaert JR: 2176
Meffert O: 4483
Mégevand R: 1198
Meguid MM: 159
Mehal ZD: 4297
Mehandru S: 3114
Meherji PK: 2555
Mehls O: 2556
Mehrotra PK: 3787
Mehta SP: 3684
Meili HU: 2557
Meindok H: 4167
Meinel K: 2558
Meinertz T: 2559
Meiniel A: 2560
Meirelles RS: 3667
Meiri U: 348
Meissner B: 1188
Meissner HP: 1229
Meissner K: 1725
Meister W: 2561
Meistrich ML: 3433
Meites J: 489, 2493, 2562
Melander A: 2563
Melella A: 2564
Melichar V: 2565
Mellado Sánchez C: 2620
Mellersh H: 1559
Mellerup ET: 3198
Mellgren SI: 3710
Melliere D: 2566
Mellies MJ: 4046
Mellins RB: 3794
Mello NK: 2575
Mellon PJ: 1502
Mellow MH: 798
Mellström B: 319
Mel'nichenko GA: 3803
Mel'nik LA: 2076
Mel'nikov AP: 2442
Melson GL: 1908
Meltzer HY: 2567–2568, 2568
Meme JS: 2569
Menache D: 1441
Menahan LA: 2570
Ménard J: 3093
Mende T: 2571
Mendel VE: 276
Mendeleev IM: 2572
Mendelsohn G: 2573
Mendelson BC: 2574
Mendelson JH: 2575
Mendez G: 3987
Mengato L: 130
Mennes P: 3712
Mennini T: 61
Menon KM: 168–169
Menser MS: 2126
Mérand Y: 957–958
Merceron RE: 2576
Mercier-Pageyral B: 3084
Mercurio T: 2243
Meredith SC: 2577
Merétey K: 2499
Merino G: 720
Merkushev GN: 1765
Merot ML: 580
Mertin J: 2550
Mertz PM: 969
Meshcheriakova Iula: 3649
Messer J: 2578
Messner KH: 1014
Metcalf G: 472
Metcalfe J: 3129
Metcalfe JC: 287
Metsä-Ketelä T: 1889, 2971
Mey J: 2579
Meydani SN: 2580
Meyer E: 2581
Meyer JS: 2582
Meyer P: 876
Meyer RU: 2031
Meyer WJ 3d: 4105
Meyer-Bahlburh HF: 2583
Meyers S: 2584
Meyerson BA: 2585
Miale T: 2586
Michael SD: 3232
Michailov R: 2587
Michajlovskij N: 2210
Michalak M: 3453
Michalik J: 2942
Michalko J: 2210
Michel F: 600
Michelacci S: 3651
Michelakis A: 1405
Michell AR: 2588
Michiels R: 1860
Michiels Y: 4031
Michurina SV: 3766
Mickal A: 927
Miczák A: 2589
Midgett RJ: 2590
Midgley AR Jr: 1626–1627
Migeon CJ: 1002, 3357, 4104
Migone M: 2591
Mihailova OP: 1226
Mihu V: 1409
Mika LA: 1575
Mikaelian DO: 2330
Mikami H: 2144, 2869, 2915
Mikami S: 2592
Mikhail G: 1131

Mikhaĭlenko OT: 2593
Mikhailets LP: 3720
Mikhaĭlov EP: 1943
Mikhaĭlov IuM: 2594
Mikhaĭlova LN: 2595
Mikkelsen E: 2596
Miklós B: 2597
Mikolajkow AT: 2598
Mikolajkow IA: 2599
Milazzo SC: 2600
Milbradt R: 2601
Miles PR: 1064
Milewich L: 2602, 3538
Milewicz A: 2553, 2603
Milgrom E: 4216
Milhaud G: 1854, 2604
Milholland RJ: 898
Millan VG: 1058
Millar JA: 1300
Millar JL: 2605
Millard MM: 3068
Miller A: 69, 1013
Miller AD: 3366
Miller B: 2581
Miller BG: 3838
Miller CA: 1720
Miller DA: 3676
Miller DD: 2929
Miller J: 4014
Miller JC: 3825
Miller JW: 3589
Miller LH: 1912
Miller R: 2606
Miller RJ: 2607
Miller ST: 2970
Miller T: 2608
Milliez P: 3093
Milligan MP: 2665
Milligan SR: 2609
Millis RR: 3306
Millonig G: 2610
Mills IH: 1380
Mills J: 1216
Mills JL: 2611
Mills KB: 3989
Mills KT: 1941
Mills SC: 2784
Milmore JE: 2612
Milstein V: 1564
Milton AS: 2613
Mimran A: 2614
Mimura A: 4396
Mimura T: 1487, 3909
Minář J: 3284
Mineo R: 721
Mineo T: 2615
Minette A: 2616
Minkina NA: 625
Minns RJ: 2617
Minsker DH: 341
Mintz Y: 92, 2618
Mir MA: 2619
Miralles García JM: 2620
Mircheff AK: 4242
Mirre C: 2621
Mirzoian SA: 2622
Mischler TW: 2623
Mishell BB: 2625
Mishell DR Jr: 2624
Mishell RI: 2625
Misiak SA: 2897
Misiewicz JJ: 853
Misina Y: 2615
Miskowiak J: 2626
Mitani H: 1932, 2627, 2688
Mitani M: 2628
Mitchell GW Jr: 1058
Mitchell JR: 2714
Mitchell MD: 2629–2632, 2630–2634
Mitchell MV: 3149
Mitchelson F: 2319
Mitra C: 2635
Mitrani N: 4110
Mitro A: 771
Mitsui S: 2503–2504, 2504
Mitsui T: 2718
Mitsuma T: 2636
Mittelstaedt L: 1234
Miwa S: 128
Miyagawa H: 1677
Miyai K: 89
Miyamoto H: 3460
Miyamoto M: 2637, 4408
Miyamoto Y: 2638
Miyao M: 1937
Miyatake T: 127
Miyauchi Y: 2688
Miyazaki E: 1758, 2639
Miyazaki M: 2640
Miyazaki S: 1764
Miyazaki T: 2641–2642, 2861
Miyazawa K: 2643
Mizukami T: 3910
Mizuno Y: 38
Mlot C: 2644
Moawad AH: 2645
Mochizuki M: 2646
Mockridge PB: 1219
Módis L: 1963
Moeschlin S: 1367
Moffat J: 2364
Moffat WM: 772
Mogensen CE: 2979
Mogenson GJ: 2647
Mogilevskiĭ IuT: 32
Moguilevsky J: 3380
Moguilevsky JA: 2648
Moguilevsky L: 2648
Mohamed NC: 2649
Mohanty S: 2650–2651
Mohler LR: 1096
Moiseeva EN: 4177
Moisset B: 2480
Moisy M: 2184
Molchanova LV: 2142
Molinari AJ: 3223
Molinari M: 221
Molinari PF: 2652
Molinatti GM: 2507, 2653
Molinoff PB: 4367
Mollard P: 2546
Möllby R: 3896
Möller H: 1702
Mollerach FE: 841
Molloy BR: 1214
Momose S: 2927
Moncada S: 964, 2654–2655, 4320, 4380
Moncrief JW: 2656
Moncrieff MW: 2657
Mondain-Monval M: 401
Monden Y: 2658
Monder C: 1062
Mondino BJ: 2659
Mondzelewski JP: 2659
Monet JD: 175
Moni L: 731
Monnet P: 1135
Monta-Hernandez F: 2660
Montambault P: 1184
Montemagno U: 2661–2662
Montgomery M: 1320
Montgomery PC: 815–816
Montie JE: 3413
Moo Young AJ: 2762
Mookherjee S: 2663
Moor BC: 2664
Moor RM: 4062
Moore B: 1165
Moore D: 1564
Moore DM: 2665
Moore ES: 2666
Moore GW: 2138
Moore JG: 3496
Moore JH: 2821
Moore MA: 1987
Moore PK: 2667
Moore RY: 1533
Moore TM: 3955
Moore-Ede MC: 2126
Moorhead JF: 1066
Moossa AR: 2668
Mora B: 3744
Morales E: 56
Moran D: 3940
Moran MJ: 2669
Morano E: 2610
Moratinos J: 2670
Mordes JP: 2671
Morel G: 2672
Moreland FM: 4282
Moreno Berthier J: 2673
Moretti G: 2674
Morey ER: 1769
Morgan BA: 472
Morgan DR: 388
Morgan EJ: 2675
Morgan MR: 2676
Morgan RO: 1684
Morgat JL: 3302
Mori H: 89, 1932, 2100, 2627, 2677–2678, 3879
Mori K: 3620
Mori KF: 2679
Mori M: 1676, 2680, 3875
Mori T: 1209
Mori Y: 4111
Moriarty CM: 2681
Morigi EM: 2683
Morii H: 1538, 2684–2685
Morikawa H: 2646
Morimoto I: 2686
Morimoto S: 2687, 4107
Morin JF: 62
Morini PL: 893
Moriniere M: 271
Morisawa S: 2523
Morishita H: 2688
Morita C: 4264
Morita I: 127, 2689
Moritz H: 2697
Moriuchi S: 2824
Morkin E: 2690
Morley J: 2691
Mormède P: 2692
Mormont C: 2271
Mornex R: 1155
Moroz BB: 327
Morr M: 2519
Morris BJ: 2693
Morris CD: 2694
Morris HP: 1635
Morris HR: 1032
Morris JA: 3550
Morris L: 2094
Morris LA: 2549
Morris PJ: 2695
Morris R: 1018
Morris SA: 1306
Morris SJ: 2696
Morrison AR: 2697
Morrone G: 3255
Morrow JD: 849
Morton A: 2185
Morton JJ: 2698, 2951
Morway A: 701
Moscarello MA: 684
Moser F: 530
Moskowitz RW: 3358
Mosovich L: 3352
Moss BW: 2699
Moss IR: 2700
Moss J: 4164
Moss RL: 1146
Moszyński K: 2095
Motamedi H: 1881
Motohiro K: 3935
Motoyama T: 3929
Motoyoshi S: 2643
Mott MG: 3887
Motte M: 206
Moudgal NR: 3213, 3606
Moudgil V: 4014
Moufarège A: 2167
Moukhtar MS: 1854
Moul DJ: 417
Mountain IM: 97
Mouratides DI: 1231
Mouriño A: 2701
Moussaoui D: 2702
Mowad JJ: 2703
Mowry RW: 2704
Mowszowicz I: 2540, 4124
Moylan JA: 3478
Mozzi R: 2916
Mraz W: 3540
Mroueh A: 2705
Mróz J: 2099
Mróz-Wasilewska Z: 3001
Mruk J: 3893
Mruk K: 3899
Muccitelli RM: 509

Muechler EK: 1131, 2706
Muehrcke RC: 2707
Mueller CC: 1727
Mueller D: 2708
Mueller GC: 2354
Mugglestone CJ: 1945, 4301
Mühlenstedt D: 1503
Muir CF: 3815
Muir CS: 2709
Muir WW: 2048
Muiruri KL: 3342
Mukhankin AI: 2961
Mukherjee BN: 2710
Mukherjee TK: 2711
Mukhtar H: 2712
Mukku VR: 1836
Mulcahy RT: 675
Mulder E: 2713
Mulder JL: 2997
Mulier JC: 944
Muller CA: 2906
Müller D: 802
Müller EE: 1301
Müller FO: 463
Müller HO: 3095
Müller M: 4131
Müller T: 2140
Müller W: 1863
Müller-Brand J: 3807
Muller-Eberhard U: 2838
Mulley G: 2714
Mulrow PJ: 3931
Munakata H: 1029
Munck A: 657
Mundt-Britto C: 1632
Mundy CF: 3722
Mundy GR: 2715, 2920, 3858
Munoz-Arizpe R: 2660
Munro DS: 1659, 2716
Munro HN: 2717
Munro MB: 2993
Munshi SR: 2555
Munteanu S: 1999
Murai M: 1542
Murakami K: 2520
Murakami M: 2752
Murakami S: 2718
Murakami T: 3879
Murata Y: 1610
Muratorio A: 275
Murawska A: 2080
Mureşan I: 173
Murgaš K: 771
Murota S: 127, 2719
Murota SI: 2689
Murphy C: 1360
Murphy DL: 722–724, 2720
Murphy GP: 3451
Murphy J: 355
Murphy JA: 2969
Murphy RA: 3679
Murphy WH: 949
Murray BL: 2721
Murray TM: 1158
Murthy SK: 331
Musacchio JM: 755
Musca A: 2722
Muscettola G: 2723
Muschel R: 377
Muschenheim F: 2724
Mushlin PS: 2725
Musiał J: 3893
Musiatowicz B: 3452
Muskiet FA: 2726–2727
Muss HB: 2728
Mussche M: 2189
Mutalik GS: 2710
Myatt L: 1009
Myers DR: 2729
Myers K: 3735
Myers LW: 1019
Myers RD: 3675
Mylecharane EJ: 2197
Myllärniemi S: 2730–2731

N

Nabarro JD: 1168
Nabbut NH: 2732
Nabedryk-Viala E: 698, 2733
Naber SP: 4270
Naccarato R: 906
Nachman RL: 2734
Nadezhdina EA: 2773
Nadkarni VB: 335
Naeslund G: 2735
Naess O: 1545
Naeye RL: 2736
Naftolin F: 2737
Nagahara S: 1931
Nagai H: 2677
Nagai M: 2738
Nagai T: 2525, 2739
Nagao S: 1940
Nagaoka K: 3921
Nagase M: 2740
Nagasubramanian S: 2741
Nagata N: 2742
Nagataki S: 1487, 3926
Nagatani Y: 2844
Nagato T: 4020
Nagel GT: 2726–2727
Nagler P: 323
Nagpal BL: 2743
Nahir M: 2581
Nahmod VE: 2744
Nahum A: 508
Naik DR: 2745
Naik PM: 2746
Naito H: 2747
Naito HK: 2450
Najima K: 4429
Nakae S: 1742
Nakagawa H: 4411
Nakago K: 2688
Nakahata N: 2748
Nakai T: 2749
Nakai Y: 2750
Nakajima H: 3414, 4100
Nakajima K: 1211, 4111
Nakajin S: 3635
Nakamaru M: 2869
Nakamoto Y: 139
Nakamura C: 2771
Nakamura F: 3918
Nakamura H: 38, 1542
Nakamura K: 1211
Nakamura M: 2615
Nakamura N: 2751
Nakamura S: 1643
Nakamura T: 3630
Nakamura W: 2753
Nakamura Y: 3918
Nakanishi H: 4090
Nakanishi M: 2150
Nakao J: 2752
Nakao K: 2750
Nakashima K: 2884
Nakauchi M: 3418
Nakaura S: 1940
Nakaya H: 1757
Nakayama T: 2753
Nakazawa M: 1743
Nakazawa T: 3875
Nalbandov AV: 1540
Nalbanski B: 3163
Nałęcz A: 3699
Nambara T: 2754
Nancarrow CD: 3193–3194
Nance DM: 4432
Nandi S: 1918, 2755
Nanov Z: 4058–4059
Naot Y: 1495
Napoli J: 1138
Napoli JL: 2756
Nappi C: 2661–2662
Naqvi RH: 3597
Narabayashi K: 2146
Narasimhulu S: 2757
Narasinga Rao MS: 3412
Narayana K: 1957
Narayanareddy K: 2758
Narbaitz R: 2759
Narboni G: 2760
Narten NC: 2761
Naryzhniuk ND: 1870
Nash HA: 2762–2763
Nasjletti A: 2764
Nasmyth PA: 1408
Nasu N: 1920
Nasveld PE: 575
Natarajan S: 387
Natarov VV: 4470
Nathan D: 2907
Nathan E: 2765
Nathanson JA: 2766
Nathenson G: 1129
Nattrass M: 2767
Nauman J: 4259
Naumczyk-Zaremba J: 4467
Naumenko EV: 2213
Naumov AS: 4065
Navarrete C: 131
Navón S: 2768
Navratil H: 2614
Navrotskii VV: 340
Nawar T: 1184
Nazian SJ: 2769
Ndiaye B: 3848
Ndoye R: 2994–2995
Neal H: 2770
Neal PA: 744
Neal RA: 2264, 4424–4425
Neary JT: 2771
Neaves WB: 2772
Nebert DW: 402
Nebol'sina LI: 2773
Nechkina MA: 2065
Neck K: 1865
Nectoux J: 2709
Nedvídková J: 1086, 2774
Neeb S: 2775
Needleman P: 2697
Negri E: 130
Negro-Vilar A: 2776
Neidhardt FC: 4254
Neiman PE: 1529
Neiss ES: 2623
Nekachalov VV: 4005
Nekrasova AA: 2777, 3778
Nekrasova IV: 1732
Nelham RL: 3290
Nelson GH: 2778
Nelson HS: 3122
Nelson JH 3d: 2779
Nelson PK: 1118, 1139
Nelson RF: 2780
Nelson RP: 931
Nelson W: 2168
Němec J: 3723
Nemecek GM: 2781
Nemeroff CB: 362
Németh S: 2782
Nemiro EA: 3375
Nemoto T: 3875
Neretto G: 2783
Neri G: 130, 2855
Neri LL: 2652
Ness SJ: 1828
Nesse R: 776
Nestel PJ: 2784
Netelenbos JC: 2785
Netsky MG: 1662
Nett TM: 3991
Netter KJ: 1863
Netz H: 2786
Neuman MR: 783
Neuman RW: 2787
Neumann F: 3571
Neumark A: 2788
Nevalainen TJ: 2016, 2018
Neveur CA: 860
Neville AM: 1608
Neville WE: 653
Nevin NC: 2412
Newberne P: 2389
Newcomer WS: 152
Newlands ES: 2789
Newman HA: 4361
Newman JD: 2790
Newman P: 1234
Newman SM: 4077
Newsom-Davis JM: 1714
Newsome HH Jr: 2791
Newson B: 35
Newton PE: 3830
Newton RM: 1063
Newton TH: 2836–2837
Ng AS: 4047

Ng P: 1258
Ng YH: 4297
N'Guyen TM: 1040, 1241
Nhuan TQ: 26
Niarchos AP: 2792
Nichoga VD: 2793
Nichols DH: 2794
Nicholson CJ: 2795
Nicholson RL: 2796
Nickerson PA: 480
Nickols GA: 2797
Nicolaou KC: 2798
Nicolas F: 229
Nicoll RA: 1768
Nicolle A: 960
Niedner K: 2098
Nieforth KA: 2247
Niehaus N: 980
Nielsen H: 1085
Nielsen NC: 736–737
Nielsen RL: 3609
Nies AS: 1284, 4236
Nieschlag E: 2799
Nieto A: 3110
Nieuw Amerongen AV: 2800
Niewiadomska A: 209–210, 2949
Niewiadomska E: 1586
Niggli V: 2801–2802
Niimura S: 2803
Nijkamp FP: 845
Nikitina AI: 3267
Nikkanen V: 2804
Nikkilä EA: 3015
Niklasson B: 2563
Nikolics K: 3240
Niles RM: 2805
Nillius SJ: 2806
Nilsen KH: 2807
Nilsson BO: 2765
Nilsson BS: 2808
Nilsson CG: 2398, 2809
Nilsson G: 1650
Nilsson H: 37
Nilsson S: 2810
Ninio M: 1584
Nishida S: 2811–2812
Nishikawa M: 2813
Nishikaze O: 1221
Nishiki K: 2814
Nishimoto A: 2883
Nishimura R: 2815
Nishimura T: 1209
Nishimura Y: 2903
Nishina Y: 1936
Nishitani H: 2816
Nishiyama Y: 4399
Nissen NI: 1144
Nissenson R: 2136
Nisticò G: 559, 2817
Nisticò GM: 2817
Nistri A: 2124
Nisula BC: 2818
Niswender GD: 3249
Nittner K: 2819
Nivelon JL: 4031
Niżankowski R: 3893
Niżnikiewicza J: 4260
Njus D: 2820
Noble RC: 2821
Nobrega RE: 2905
Nochomovitz LE: 2822
Nocks BN: 2823
Noda S: 2824
Noel EP: 1063
Noel LH: 2109
Noer I: 2979
Noff D: 974–975, 2919
Noffz W: 1928
Nogales FFJr: 2825
Nogales-Ortiz: 2825
Nogi M: 2636
Nogtikova LT: 182
Noguchi A: 2826
Noguchi S: 1919
Nohara Y: 1212, 1910
Nohl M: 2228
Nokihara M: 1932
Nolan S: 800, 3503
Nolletti A: 2370
Nolph KD: 2656
Nomura Y: 2827
Noordewier B: 2828, 2928
Noordhoek J: 4132
Norback DH: 4171
Norby LH: 2829
Nordhus O: 2830
Nordin BE: 760, 1844, 2490
Nordmann R: 1311
Nordmark L: 912
Nordøy A: 2831
Nordstoga K: 1569
Nordström CH: 542–543
Nordstrom JL: 3347
Norelli HC: 2420
Norenberg DD: 2832
Norfleet RG: 2833
Nørgaard T: 1048
Nørgaard-Pedersen B: 3525
Norman A: 2834
Norman AW: 2701, 2835, 3181
Norman D: 2836–2837
Norman RL: 2838
Normand M: 3032
Normann T: 3467
Norris C: 3777
Norris HJ: 2157
Norris JS: 2345
Norris SH: 2839
Northcutt RG: 2973
Northover AM: 2840
Northrup TE: 2936
Northup JK: 2841–2842
Northway JD: 3517
Nortman DF: 2843
Norvell MJ: 1617
Norville RL: 1149
Nose O: 2844
Nose Y: 4399
Nosenko ND: 2845
Noske IG: 1080, 2846
Noskov VB: 2847
Nosova VF: 3966
Noujaim AA: 3975
Nousiainen R: 3016
Novak GR: 151
Novicki DE: 3413
Novikoff AB: 3774
Novikov BG: 2848
Novikova TE: 4109
Novo-Dominguez A: 2849
Nowack C: 1503
Nowak K: 3899
Nowowiejski I: 4271
Noya M: 2850
Nozaki Y: 2851, 3629
Nozawa R: 3456
Numano F: 2852
Numazawa M: 2754, 2853
Nunez EA: 2854
Nurnberg BI: 1845
Nussbaum H: 1303
Nussdorfer GG: 2855
Nusynowitz ML: 1320
Nutt JG: 2856
Nwosu UC: 2857
Nyberg G: 912
Nyberg-Hansen R: 1582
Nygren KG: 2810
Nyhus LM: 35
Nylander PP: 2858

O

Oaks WW: 3159
Oates JA: 1284, 2029
Oats JJ: 3073
Obanza EB: 1806
Obara K: 2904
Obeid A: 2663
Obenauf CD: 2859
Obenberger J: 3801
Ober KP: 2860
Oberleithner H: 1399, 2204
O'Byrne EM: 4288
O'Callaghan T: 3878
Ochi Y: 2861
Oda T: 1885
Odell WD: 1422, 2862, 2987
O'Donnell M: 882
O'Dorisio T: 3694
Oduori ML: 2569
Odya CE: 3794
Oei TP: 2863
Oelkers W: 3018
Oelsner G: 2864–2865
Oelz O: 2029
Offermann G: 2866
Oftebro R: 2713
Ofuji T: 1691, 1936
Ogata E: 2137
Ogawa K: 7
Ogawa S: 2867
Ogbuawa O: 2868
Ogden D: 2008
Ogihara T: 2144, 2869
Ogle CW: 2870
Ogletree ML: 3731
O'Gorman AM: 2908
O'Grady R: 2348
Ogren SO: 568, 1225
Ogura F: 2685
Ogura Y: 1930
Oh MS: 2871
Ohahian C: 3316
Ohara J: 2872
Ohata M: 2873
Ohkubo T: 2754
Ohkura T: 138, 2091, 2874
Ohlson L: 2875
Ohman R: 2876
Ohman S: 2225
Ohmori T: 1610
Ohnhaus EE: 2510
Ohno A: 3455
Ohno S: 2877
Ohno Y: 3928
Ohono Y: 3929
Ohshima M: 1610
Ohta S: 2878
Ohtahara S: 2883
Ohtaki S: 2879
Ohtsuka T: 3622
Ohuchi K: 2303
Oi S: 2880
Oishi M: 2813
Ojeda FG: 3406
Ojeda SR: 2776, 2881, 3344
Ojeda Casas VJ: 2882
Oka E: 2883
Oka M: 2884
Oka N: 2885
Okabe S: 2886
Okada H: 3928–3929, 4404
Okada R: 1996
Okamoto H: 1756
Okamoto S: 2007, 2684
Okamoto T: 1538
Okamura K: 2887, 3639, 3910
Okamura N: 2888
Okamura WH: 2701
Okano H: 4403
Okawa T: 4403
Okazaki H: 914
O'Kelly D: 2187
Okerlund M: 1927
Oki T: 4427
Okinaga S: 4403, 4423
Okonmah AD: 2889
Okorokov LA: 3891
Okrasa S: 2132
Oks MS: 3554
Okukura K: 1996
Okulicz G: 2890
Okun DB: 2891
Okuno A: 6
Oldcoyd JJ: 769
Oldham SB: 2892
Olgaard K: 2432–2433
Oli S: 2750
Oliphant G: 541
Oliveira MM: 2893
Oliveira-Filho RM: 4123
Oliver C: 2894
Oliver D: 2695
Oliver L: 2258
Ollier MP: 2895
Olney JW: 3149
Olsen T: 4278
Olsen UB: 2896

Ol'shanetskii AA: 2897
Olson DS: 949
Olson JL: 2573
Olsson K: 2224
Olsson LB: 1833
Olszewska E: 1803
Olverman HJ: 1359
Omae T: 3639
O'Malley BW: 606, 3347, 3537
Omdahl JL: 2898
Omel'chenko VP: 2899
Omini C: 318, 3773
Omodeo-Sale F: 2900
Omori Y: 1940
Omoto T: 3935
Onadeko BO: 2901
O'Neil J: 1746
O'Neill JP: 2902
Ong TS: 3095
Onishi H: 4263
Onishi S: 2903
Ono S: 2904
Ono Y: 44
Onofrio R: 1069
Onozuka: 3867
Oosterling RJ: 2905
Ooyama T: 2752
Opie LH: 2906–2907
Oppengeim BP: 2040
Oppenheimer JH: 733
Opstad PK: 1
O'Reagan S: 637
Orechovich VN: 53
O'Regan S: 2908
Oren ME: 2909
Oren VO: 2910
Orenstein NS: 2911
Orentreich N: 2912
Oreopoulos DG: 4167
Orestenko IuN: 2913
Orgogozo JM: 1585
Orimo H: 2752, 2914
Orita Y: 2915, 3911
Orlacchio A: 2916
Orlando P: 4011
Orlov VS: 2917
Orlova VG: 2918
Ornoy A: 2919
Orr MW: 422
Orr W: 2920
Orrego H: 1759, 2921
Orstavik KH: 2399
Ortega FJ: 2922
Ortez RA: 2923
Ortiz ME: 768
Ory HW: 1620
Oryńska I: 2925
Osa H: 2525, 4055
Osa T: 2926
Osada Y: 2927
Osawa Y: 2853, 3875, 4405–4407
Osborn JL: 2928
Osborne JW: 3828
Oscier D: 1488
Osei-Gyimah P: 2929
Oseko F: 2062
O'Shaughnessy PJ: 2930
O'Shea JD: 2931
Oshima I: 1937, 2932
Oshima K: 4404
Osipenko AA: 2160
Osis D: 3777
Osler M: 736–737, 2933
Osmani SR: 665
Osmond DH: 2934
Osnes S: 1830
Osore H: 1304
Osorio C: 554
Osotimehin B: 2935
Ossian V: 173
Osswald H: 2936
Oster G: 2937
Oster S: 2937
Osterby R: 2938
Osterman PO: 2939
Ostgaard K: 2713
Ostrea EM Jr: 418
Ostroumova MN: 2940–2941
Ostrowski K: 2942
O'Sullivan JP: 2943
O'Sullivan K: 1300
Oszacki J: 2477
Otake N: 2628
Otani S: 2523
Otero Raíces J: 1738
Otis S: 791
Otomo N: 1919
Otomo S: 1538, 3875
Otsubo K: 4404
Otsuki S: 3461
Otten U: 2541, 3986
Oufedník A: 2944
Ovádi J: 2945
Owczarczyk I: 2057
Owen CA Jr: 4082
Owen D: 3485
Owen HD: 1662
Owen WJ: 2946
Owman C: 982
Oxenkrug GF: 2947–2948
Oyama H: 2811
Oyama K: 2851, 3629
Oyama Y: 1757
Oyasu R: 2258
Oza S: 1295
Ozaki Y: 2401, 4344
Oziębło L: 2949
Ozoga JJ: 2295

P

Pace WG: 3694
Pace-Asciak CR: 2950
Pacheco H: 2498
Pacheco M: 1462
Pacovský V: 470, 3837, 4206
Padfield PL: 2698, 2951
Padh H: 2952
Padieu P: 271
Padma MC: 808
Padmanabhan V: 2953
Padonou N: 3437, 3441
Pahuja DN: 2954
Paiement JM: 2955
Paige CJ: 1987
Pairault J: 2300
Pajak TF: 1144
Pajewski M: 3502
Pak CY: 3222
Pakkanen J: 2461
Pal AK: 616
Palacios JM: 1461
Palát K: 1534
Palatsi R: 2956
Palińska-Weese Z: 2057
Palm D: 1866
Palma L: 2370
Palmer E: 2957
Palmer FJ: 3953
Palmer JM: 931
Palmer R: 2682, 2958
Palmer RF: 405, 4002
Palmer RW: 1696
Pan IH: 2959
Pan MM: 652
Panaretto BA: 2960
Panchenko LF: 2961
Pandey SD: 2962
Pandit MW: 3412
Panfilova GV: 3973
Pang IH: 2332
Pang LM: 3794
Pang cy: 2963
Pani A: 3108
Panin LE: 2964
Panini SR: 3695
Pan'ko IS: 2965
Panov AN: 2966
Pant HC: 3235
Pant KD: 2967
Pantarotto MF: 2968
Papapetrou PD: 1779
Paparo AA: 2969
Papathanassiou Z: 797
Papavasiliou PS: 2970
Papiernik E: 4328
Papini F: 893
Papkoff H: 1236
Paradisi F: 2360
Parantainen J: 2971
Paraskun VG: 2502
Parchoux B: 2972
Parent A: 2973
Parer JT: 1794
Pareti FI: 2974
Parfitt AM: 1160
Park CR: 4373
Parker CR Jr: 3117
Parker CW: 155, 2975
Parker JC: 2976
Parker RG: 3992
Parkinson CA: 3142
Parks DG: 2977
Parks LW: 3954
Parks NJ: 2978
Parks RP: 4204
Parmar C: 4022
Parmley TH: 3357
Parra-Carrillo JZ: 499
Parsons JA: 598
Partanen M: 1598, 1887
Partanen S: 1598
Parts A: 2288
Parving HH: 2979
Parvizi N: 1021
Paschen W: 2988
Pascual-Leone AM: 2980
Pashchenko AE: 507
Pasleau F: 2110
Pasquale SA: 2683
Pasqualini JR: 3872
Pasquini U: 2454
Passalaqua AM: 3183
Passovoy DS: 1595
Pastan I: 3497
Pastorková L: 3853
Pastuch C: 173
Paszko Z: 2981
Patel B: 1847
Patel JC: 600
Paterson AM: 2982
Patil TN: 2983
Patin SA: 2984
Patkina NA: 4485
Patnaik AK: 2985
Patrick JE: 2986
Patritti-Laborde N: 2987
Patrone P: 3665
Patscheke H: 2988
Patt CS: 273
Pattanachak C: 116
Patterson JS: 2989
Patterson T: 4169
Patterson WB: 2990
Patthy A: 184
Pattin AM: 782
Patwardhan VV: 2991
Paty J: 2992
Pauček M: 3852–3853
Paul IL: 2993
Paulin R: 2994–2995
Paulson GW: 2996
Paunier L: 3701
Pavel S: 3250
Pavez M: 767, 883
Pavlín V: 2997
Pavlov VV: 182
Pavlovsky S: 3406
Pawelec-Kęsiak L: 2998
Pawlicki M: 2999
Pawlikowski M: 3000–3001
Pawlikowski T: 3002
Pax R: 3003
Payne E: 238
Payne NS: 1128
Payne RB: 3063, 3611
Peachey RD: 524
Peacock EE Jr: 3004
Peake GT: 497
Pearlman DS: 3122
Pearlman MR: 1498
Pearlman WH: 1498
Pearson D: 3599
Pearson FA: 3290
Pearson JE: 2590
Pearson JR: 2296
Peart WS: 3005
Pecciarini-Snickars L: 1279
Peck EJ Jr: 666

Pecker J: 3006
Pecora JL: 3007
Pecquery R: 1310
Pedersen B: 3008
Pedersen H: 3805
Pedersen OL: 2596
Pederson J: 663
Pedrazzoli S: 906
Pedroza E: 3576, 4190
Peevy KJ: 1219
Pegg AE: 3009
Pehamberger H: 3010
Peiker G: 3011
Peillon F: 3012
Peiper HJ: 4483
Peitersen B: 1786–1787
Pekarskiĭ NI: 2073
Pekkala A: 3392
Pelardy G: 3013
Pelech L: 3014
Pelkonen O: 402
Pelkonen R: 3015–3016, 3016
Pellantová Z: 3017
Pelle-Day G: 2590
Pellerano S: 2674
Pelletier JL: 4031
Pelliccia O: 3459
Pellnitz W: 3018
Pellock JM: 3019
Peluso JJ: 3020
Pena J: 3106
Peña-Yáñez A: 1824
Pendleton E: 3008
Penfold JL: 3021
Peng CH: 3022
Peng LH: 1498
Pen'kov MA: 3023
Pennequin P: 3024, 3491
Pennisi AJ: 2447
Penny R: 3025
Pento JT: 3026
Penz G: 2088
Péquignot H: 4156
Peracchi M: 766
Percy-Robb IW: 4341
Pereiaslovets VN: 2897
Perel JM: 3027
Perelli Ercolini M: 3590
Pérez-Clavier R: 3028
Pérez-Infante V: 1806
Perheentupa J: 2730–2731
Peric-Golia P: 4407
Périès J: 2227
Perkin GD: 1714
Perkins CM: 3029
Perkins JP: 3865
Perlin I: 2424
Perloff LJ: 3030
Perot PL Jr: 3233
Perrault MA: 259
Perri G: 3031
Perrin D: 1389
Perrin F: 3032
Perry LA: 1814
Perry MM: 3033
Perryman EK: 3034
Persaud TV: 3035
Persianinov LS: 3169
Persigehl M: 3086
Persing R: 1186
Persson B: 564, 1657, 2392
Persson PH: 1404, 3036
Pert CB: 2480
Pertseva MN: 3037
Pertusa C: 50
Pertyński J: 3038
Peryshkova TA: 172
Pescatore D: 1313
Peshin Y: 4304
Peskar BA: 106
Peskar BM: 106
Peter JB: 1220
Peter JH: 3153
Peter RE: 3039
Peterek J: 3040
Peterlik M: 3041–3042
Peters EL: 4282
Peters J: 1658
Peters JR: 422
Peters MJ: 2713
Peters TJ: 241
Petersen EN: 3043
Petersen LP: 2151
Petersen PH: 1085
Petersen S: 3044
Peterson AJ: 238
Peterson BA: 693
Peterson HP: 3072
Peterson JA: 3045
Petith MM: 3046–3047
Petkov V: 3048
Petri E: 3049
Petrov AA: 2984
Petrov RV: 327
Petrović VM: 3050
Petrovich IuA: 3051
Petrovici A: 4160
Pettersson H: 1976
Pettersson K: 2374
Pettigrew KD: 723
Peveto R: 1145
Peyser MR: 852
Pezolet M: 3052
Pfaffenberger CD: 3053
Pfeffer RI: 3054
Pfeifer WD: 3055
Pfeifer Y: 2164
Pfleger H: 2028
Pflug B: 2779
Phaily S: 3056
Pharris BB: 3057
Pharriss BB: 4040
Phemister RD: 3249
Phernetton T: 2708
Philbin D: 4277
Philip B: 3058
Philipp T: 3059
Phillips C: 3060
Phillips GB: 3061
Phillips JF: 3062
Phillips L: 2447
Phillips MI: 1638
Phillips SD: 3063
Philpot RM: 2712
Phoenix CH: 504, 4474
Phornphutkul C: 3064
Piacsek BE: 2769
Piascik MT: 2929
Piątkowski J: 386
Picard F: 3065
Picard JY: 1848, 3066
Picciolini E: 1279
Piccioni RG: 3067
Pickard DW: 1158
Pickart L: 3068
Pickenhain R: 3381
Pickering LK: 1038
Pickering NA: 3998
Pickering TG: 2216
Pickett BW: 3991
Pierce JG: 2290
Pierce JM: 1714
Pieroni RR: 4231
Pietoń R: 3893
Pietrek J: 3069
Pietrogrande MC: 220
Pifarre R: 653
Pigeon-Gosselin M: 3052
Pignatti CB: 3070
Pihl E: 1176
Pike MC: 1620
Pikler G: 3776
Pilosof T: 3071
Pil'shchik EM: 1765
Pindyck J: 1406
Pinelis VG: 2773
Piñeyro MA: 1923
Pinkhas J: 3780
Pintado E: 3750
Pinto H: 4083
Piotrowska E: 2553
Piotrowski J: 2788
Piper EL: 3072
Piper LJ: 1067
Piper PJ: 1032, 3547
Pipkin FB: 3073, 3890
Piriz H: 3316
Pirke KM: 3074
Pirlich W: 3075
Piro MA: 1296
Pirola CJ: 2744
Piron-Bossuyt C: 4133
Pisanti N: 2817
Pisarek-Miedzińska D: 781
Pisarski T: 1946
Pishotta FT: 2645
Piskunova GM: 3076
Pita JC: 3077
Pitrone F: 134
Pitsin DG: 4008
Pitt D: 3078
Pittaway DE: 3079
Pittermann W: 838
Pittman QJ: 3080
Pittner F: 3081
Pitts JS: 3082
Plainfossé C: 3083
Plainfossé MC: 3084
Plakhuta-Plakutina GI: 3085
Plampin JN: 3223
Plante GE: 1184
Planz G: 3086
Planz R: 3086
Platt G: 3087
Platt GS: 237
Platt JE: 3088
Plattner H: 3524
Platzker A: 3274
Plaut M: 2488
Pletscher A: 3089
Pliška V: 3090
Plomp GJ: 3091
Plotka ED: 2295
Plotkin D: 3092
Plotnick L: 1002
Plotnikoff NP: 1912
Plouin PF: 3093
Ployet MJ: 426
Plummer NA: 1385
Pluzhnikova GN: 1077
Poddubnaia IV: 3647
Podesta EJ: 3094
Podolecki A: 3167
Podorazhnaia RP: 3051
Poffenbarger PL: 2279
Pogmore JR: 1818
Pohl JE: 4001
Pohle W: 3095
Poirier J: 946
Poirot P: 118
Poisson J: 1184
Pokempner M: 115
Pokrovskiĭ ABV: 3096
Polak JM: 3097
Poland BJ: 3098
Poland RE: 4032
Polansky SM: 3099
Polavarapu TD: 2711
Polcyn RE: 4171
Poley GE Jr: 3100
Polezhaev IuN: 2572
Polianichko MF: 3101
Poliarush NF: 2073
Politch JA: 1594
Pollack GH: 3102
Pollak EW: 3103
Pollard AB: 451
Pollard TD: 25
Pollini GP: 219
Pollow B: 3104–3105
Pollow K: 3104–3105
Poloczek W: 2046
Pombo M: 3106
Pomerantz SH: 3840
Pommier M: 3107
Pompei R: 3108
Pongthai S: 3109
Poniatowski L: 2367
Ponomareva TV: 1765
Ponsky JL: 3520
Ponstingl H: 3110
Ponticelli C: 437
Pontifex G: 4200
Ponzinibbio C: 3406
Ponzio F: 61
Ponzio NM: 3111
Pool RR: 2978
Poon P: 1200
Poortman J: 4150
Popescu MP: 3112

Popli S: 204
Popova M: 2155
Popova NK: 3113
Popovich RP: 2656
Popovtzer MM: 3114
Popp RA: 3115
Porcellati G: 2916
Poręba R: 1902
Portanova R: 3116
Porter JC: 3117, 3538
Porter KA: 1162
Porteus SE: 1985
Porthé-Nibelle J: 3118
Portlock CS: 1012
Portos JL: 2280
Portugalov VV: 1269, 3119
Portuondo JA: 3120–3121
Posey WC: 3122
Posner BI: 1847
Posner JB: 3123
Pospíšil M: 4112
Post D: 2426
Post RM: 2401
Postlethwait JH: 3124
Postnov IuV: 3125
Potashnik G: 3126
Potter DE: 3127–3128, 3128
Potter DM: 3129
Potter VR: 1454, 1950
Potter WZ: 2723
Potts GO: 3130, 3474
Poulson AM Jr: 3131
Poupon RE: 3132
Pourquier H: 3133
Pousette A: 120
Povia P: 4452
Powell E: 3134
Powell JG Jr: 3135
Powell-Tuck J: 3136
Powers JM: 2606
Powis G: 3137
Pownall R: 739, 1861, 2030
Poyser A: 2784
Poyser NL: 3138
Poyser RH: 677
Pozza D: 926
Prabhakar BR: 2743
Pradalier A: 938
Prader A: 3139–3140, 4444
Prager-Lewin R: 1929
Prahlad KV: 2644
Prange AJ Jr: 362
Pratt J: 1816
Pratt JH: 3141–3142
Pratt JJ: 3143
Pratt RM Jr: 4334
Preece PE: 2463
Prellwitz W: 1605
Prendergast FG: 3276
Prendergast RA: 1167
Preobradjensky SN: 3563
Prépin J: 1849
Presl J: 506, 3144–3145
Preslock JP: 3146
Preston C: 398
Preston CJ: 1559
Prevot C: 3220
Preziosi P: 2817
Přibyl T: 3516
Pribylova NN: 3147
Price BE: 3223
Price DC: 1927
Price LA: 3148
Price MT: 3149
Price WH: 3150
Priego JG: 585
Prier S: 843
Priest ND: 3151
Priestley GC: 3152
Prieto JC: 3750
Prieto L: 72
Prieur DJ: 4431
Přikryl P: 3399
Primus FJ: 1336
Prince B: 4418
Printz MP: 2314, 3605
Prinz H: 3153
Prior J: 3154–3155
Prior PF: 3156
Proença NG: 3157
Prokhorov AF: 3158
Promisloff R: 3159
Promyslov MSh: 3160
Proshin VV: 3161
Prosmanne J: 3489
Prosser PR: 3162
Protich M: 3163
Proye C: 3164
Prozialeck W: 314
Pruchová J: 3165
Prudente WJ: 1059
Pruitt BA Jr: 1593
Pruss RM: 1595
Pruszczyński W: 3166
Pruszyński B: 1105
Przewłocki R: 1655
Przheliaskovskiĭ GA: 212
Przybylowski J: 3167
Przybylska T: 3168
Pshenichnikova TIa: 2918, 3169
Psychoyos S: 3170
Publicover SJ: 3806
Pugnoli C: 3844
Pukhovskaia AD: 3171
Pullan PT: 3172, 4226
Pulsinelli WA: 3173
Punnonen R: 2374
Puppi A: 3174
Puri SK: 3175
Purnell DM: 3176
Purpora D: 3177
Purtill RA: 493
Puschett JB: 3178–3180, 4351
Putelat R: 1860
Putkey JA: 3181
Pykalisto OJ: 177
Pyörnilä A: 3182

Q

Qadri SM: 1038
Quagliarello JR: 3183
Quakernack K: 794
Quamme GA: 897, 3878
Quarrington B: 474
Quastel JH: 3184
Quay WB: 1362, 3185
Queener SF: 3186
Quellhorst E: 3521
Quennedey MC: 3187
Quereux C: 855
Quijada S: 3188
Quik M: 3189
Quinn JL: 3684
Quinones JD: 3768
Quintana N: 3774
Quintás CF: 1738
Quinteros E: 883
Quirk SJ: 3190

R

Rabczyński J: 2553
Rabiller G: 1774
Rabin A: 487
Rabinovich S: 4167
Rabinowitz D: 295, 3191
Rabson AS: 4033
Raby J: 3078
Racadot A: 835
Racagni G: 318
Radda GK: 496, 2820
Radeva V: 3192
Radford HM: 3193–3194
Radhakrishnamurty R: 2983
Radichevich I: 499
Radin EL: 2993
Radoslavov V: 2064
Radwanska E: 304, 3195
Raekallio J: 3196
Raeside DE: 3197
Raeside JI: 3555
Rafaelsen OJ: 3198
Rafii MR: 85
Ragab AH: 1982
Rager K: 3199
Raghavan KS: 826
Raghunath TK: 653
Rahamimoff H: 348
Rahemtulla F: 2464
Rahman SS: 3327
Raikar RS: 872
Rajfer J: 3200–3202
Rajszys R: 1105
Raker J: 630
Rakoczy A: 3203
Rakut' VS: 2515
Ralambofiringa A: 3204
Rálliš Z: 3205
Rall HJ: 3206
Ramachandran C: 536
Ramaley JA: 548–549, 3207, 3653
Ramanadham M: 1897
Ramanan SV: 1797
Ramasarma T: 3695
Rambar AC: 3208
Ramírez BM: 850
Ramírez G: 759
Ramos A: 2046
Ramos RM: 131
Ramos RR: 879
Ramos-Niembro F: 3209
Ramp WK: 3210
Rampini E: 2674
Ramsay DJ: 3211
Ramsay LE: 2336, 4002
Ramwell P: 2829
Ramzy I: 3212
Rancurel G: 502
Rand W: 3940
Ranelletti F: 1781
Rani CS: 3213
Rankin JG: 2921
Rankin JH: 2708, 4280
Ransohoff J: 3214
Ranta T: 2079, 2461
Rao A: 1303
Rao AM: 331
Rao BR: 2582
Rao CV: 3215
Rao GH: 3216
Rao GU: 151
Rao SR: 3217
Rao SS: 4117
Rapado A: 884
Rapola J: 158
Rapoport A: 4167
Rapoport B: 3218
Rapp JP: 3219
Rapp K: 838
Rappaport R: 3220
Rappaport SC: 4197
Rappay G: 3221
Rashedi M: 942
Raskin P: 3222
Rasmussen CR: 3223
Rasmussen H: 821
Rasmussen JE: 3224
Rasmusson B: 3225–3226
Rass TI: 3227
Rassin DK: 3228
Rastogi RB: 3229–3230
Rasulov KI: 4482
Rasweiler JJ 4th: 3231
Ratcliffe JG: 740
Ratcliffe WA: 740
Rathé J: 4139
Rathmayer M: 1136
Ratter SJ: 3860
Rattner BA: 3232
Rätz KH: 2529
Rau M: 3695
Rauchenberger B: 2039
Rauh JL: 3486
Raulais D: 1854
Raval G: 3187
Ravin CE: 3099
Rawe SE: 3233
Rawlings NC: 3234–3235
Rawlings V: 1504
Ray A: 2650
Rayford PL: 3964
Raymond JP: 2576, 3236
Raymond V: 2179
Raynaud JP: 3237
Raziuddin M: 3238
Razumov SA: 3239
Read GF: 1851

Reagan TJ: 914
Reaman GH: 955
Reardan J: 2325
Rebel FC: 2033
Rebière A: 788
Recant L: 1616
Recant WM: 4223
Rechardt L: 1887
Reches A: 92
Reckard CR: 3523
Redburn DA: 674
Redding TW: 3240
Redfield ES: 3795
Redick JA: 1891
Reding R: 267
Redman CW: 2630
Redmond O: 3241
Redshaw MR: 67
Reemtsma K: 870, 4273
Rees RW: 715
Reese TS: 1576
Reeve TS: 197, 3242
Reeves JD: 2273
Reeves JJ: 2545
Refsum H: 3243
Regnier C: 2455
Regnier FE: 3494
Regoli D: 2281–2282
Regoli DC: 1040
Rehm RA: 2779
Rehncrona S: 3244
Reich E: 4346
Reichert LE Jr: 14, 806
Reichman JH: 3245
Reid J: 670
Reid LM: 2513
Reid ML: 1547
Reidy MA: 3246
Reilly KB: 353
Reimann F: 3247
Reimer KA: 2376
Reimer RR: 3248
Reimers TJ: 3249
Reineck HJ: 3812
Reiner JM: 1979, 3990
Reinhard EJ: 3841
Reinhardt V: 3472
Reinharz AC: 3250
Reinwein D: 3251
Reischle K: 4357
Reiss E: 1892–1894
Reiter RJ: 369–370, 4295
Reitsma PH: 2284
Reizenstein P: 2586
Rementeria AM: 3120
Remfry J: 3252
Renaud B: 3457
Renaud H: 1135
Renaud LP: 3080
Renckens BA: 3253
Renda F: 2564
Renda V: 3284
Rendu F: 3254
Rengel MA: 2922
Rengo F: 3255
Renjannet S: 3483
Renner R: 1518
Rennert OM: 2195
Renshaw DC: 3256
Reny A: 3257
Renyi AL: 568
Répássy G: 3894
Repo RU: 1111
Requena J: 3258–3259
Reschini E: 766
Resnick MI: 3859
Reterski Z: 4473
Rether B: 3260
Reti LL: 3261
Reubi JC: 3262
Reuse J: 1142
Reuter AM: 3263
Rexroad CE: 3264
Rexroad CE Jr: 1455, 3265
Reyes FI: 4356
Reyes HM: 3266
Reynafarje B: 58
Reynaud J: 426
Reynolds BE: 3223
Reynolds EH: 1816
Reynolds JW: 2826
Reynolds TB: 555
Reznik BIa: 3267
Reznikov AG: 2845
Rhinelander FW: 3268
Rhodes J: 3826–3827
Rhyne L: 2728
Riad-Fahmy R: 1851
Ribon M: 428
Ribustini G: 3269
Riccardi V: 4039
Ricchiuti NV: 3634
Ricciardelli B: 3255
Richards F 2d: 2728
Richards JF: 3270
Richards JG: 805, 3271
Richards JS: 3272
Richards KL: 3273
Richards L: 1895
Richards W: 3274
Richards WL: 3275
Richardson DL: 2531
Richardson SB: 432
Riché C: 62
Richelson E: 3276
Richie RE: 443
Richter S: 2375
Ricken D: 3277
Ricotta JJ: 3278
Riddick DH: 3279
Rider WD: 1200
Riebman JB: 353
Rieche K: 4368
Rieke E: 1674
Riemann JF: 3280
Riemenschneider HW: 2779
Rieppi G: 3316
Rifai A: 3281
Rifka SM: 3282
Rigaud M: 3505
Riggan LJ: 1035
Riggs BL: 3283
Rigon G: 221
Riha J: 3284
Riishede J: 1314, 2333
Rijke AM: 3285
Rijken Y: 2069
Riker WF Jr: 1482
Rikihisa T: 1919
Rikitake T: 3409
Riley AL: 3286
Riley JN: 1721
Rimon G: 3287
Rimsten A: 20
Rin H: 654
Rinaldi A: 3288
Ring F: 3664
Ring J: 3289
Ring ND: 3290
Ring-Larsen H: 1602
Ringertz N: 3467
Ringoir S: 2189
Rinieris P: 3291
Rinne UK: 3292
Ripa R: 3293–3294
Ripamonti L: 3070
Ripe E: 2808
Rising TJ: 3295
Ritchie GA: 2820
Ritchie TL: 1462
Ritchie WP Jr: 635
Ritsu K: 1764
Rittenhouse-Simmons S: 3296
Ritter D: 1202
Ritter R: 1865
Ritz E: 2111, 2115, 2556, 3297
Ritzmann RF: 1637
Rivera F: 413
Rivier JL: 4075
Rizk M: 3298
Rizzoli R: 1127
Rjosk HK: 1327
Robb CH: 341
Robb GW: 3299
Robb JD: 2699
Robb RA: 3300
Robberecht P: 3301–3302, 4139
Roberge AG: 3303
Roberson GM: 3304
Robert H: 1040
Robert d'Eshougues J: 3650
Roberts JL: 3305
Roberts KD: 488
Roberts MM: 1150, 1993, 3306
Roberts RK: 1701
Robertson AL: 3307
Robertson D: 3309
Robertson DB: 3308
Robertson DM: 3309
Robertson DN: 883, 2762–2763
Robertson JS: 2089
Robertson RP: 3310
Robertson WR: 2372
Robin JC: 84
Robin NI: 3656
Robins D: 3491
Robins DM: 3024, 3311
Robinson AG: 3680
Robinson AM: 3312
Robinson B: 3876
Robinson BV: 3313
Robinson DS: 1859
Robinson GA: 521
Robinson JS: 1133, 2425, 2629, 2631, 3314, 3666
Robinson MJ: 352
Robinson RG: 3315
Robinson SM: 799, 801
Robinson WR: 390
Robuschi M: 338
Robyn C: 2317
Roca RA: 3316
Roccella P: 2508
Rocco A: 2552
Rocha e Silva M Jr: 3317
Roche J: 3318
Rochiccioli P: 2455
Rockel P: 3319
Röckert HO: 3320
Rocki W: 3321
Rockwell DA: 3322
Rodbard D: 3323
Rodbell M: 2362
Rodes J: 413
Rodgers BM: 1653
Rodgers GM: 1118
Rodríguez JA: 3324
Rodríguez MS: 3325
Rodriguez V: 539
Rodríguez Cuartero F: 907
Rodríguez Ortiz H: 1248
Rodriguez-Rigau L: 4287
Rodriguez-Rigau LJ: 3326, 4484
Rodriguez-Sargent C: 556
Rodway RG: 3327
Roelandts J: 3328
Roesdahl K: 3226
Roesel OF: 1091–1092
Roffi J: 3050, 3329
Roffler RE: 3330
Roger M: 3961
Roger S: 1546
Rogers JG: 4105
Rogers KJ: 3009
Rogers SR: 312
Roginsky MS: 1478, 4046
Rogowski P: 1049
Rohde JM: 4416
Rohen JW: 3331
Röhle G: 3332
Rohlin M: 3333
Röhrborn W: 3334
Rohrer H: 2541
Roine K: 3335–3336, 3336
Roitt IM: 201
Rojko JL: 3337
Rokach J: 2453
Rolland J: 62
Rolland MO: 812
Rolland PH: 2479
Rolland R: 4085
Rolleri E: 2452
Rolley RT: 3278
Roman RJ: 3338
Román-Franco AA: 3446
Romano T: 3339
Romanoff H: 2164
Romashko OO: 327
Rombouts-Lindemans C: 837
Rome RM Jr: 3261
Romeo Ulecia M: 3340

Romero JA: 4457
Romhányi I: 3341
Rompe G: 4354
Romshe CA: 1275
Romsos DR: 3342
Rónai AZ: 184
Roncoroni AJ: 3343
Ronnekleiv OK: 3344
Ronzoni Bernardi MG: 3345
Rooks JB: 3346
Rooney CS: 2453
Roop DR: 3347
Roos A: 410
Roos P: 1789
Roos RW: 3348
Rootman J: 501
Roques BP: 2448
Rosai J: 2301, 2822
Rosal VL: 2970
Roşca G: 135
Roşca S: 135
Rościszewska D: 4370
Rose DP: 663
Rose J: 917
Rose JC: 792
Rose JD: 3349
Rose RM: 2993
Roseblatt R: 2194
Rosebrock GL: 2302
Rosen F: 898
Rosen G: 840, 2168
Rosen JF: 1129
Rosen N: 377, 3350
Rosen O: 377
Rosen OM: 3350
Rosen PJ: 3092
Rosen SE: 2325
Rosen SW: 4033
Rosenbaum AH: 3351
Rosenbaum R: 3712
Rosenberg M: 3343
Rosenberg SA: 1012
Rosenblatt LS: 3322
Rosenblatt M: 3502
Rosenfeld GB: 3352
Rosenfield AT: 4245
Rosenfield RL: 3266
Rosenheck K: 1377
Rosenow EC 3d: 3353
Rosenquist JB: 3354
Rosenqvist U: 3355
Rosenshein NB: 115
Rosenthal J: 129
Rosenthal M: 3356
Rosenthal R: 3826
Rosenthal T: 1061
Rosenthall L: 2347
Rosenwaks Z: 3357
Rosin AJ: 2856
Rosner IA: 3358
Rosoff L Jr: 3359
Ross GT: 3360
Ross J: 2354
Ross PL: 1478
Ross SB: 568
Ross T: 1405
Rossan RN: 2403
Rossavik IK: 3361
Rossi B: 275
Rossi F: 559
Rossier A: 596
Rossignol AM: 118
Rössler R: 3362
Roth A: 3363
Roth JA: 1169
Roth SH: 1506
Roth-Schechter BF: 3364
Rothberg H: 3365
Rothe K: 3381
Rothman KJ: 1823
Rotiroti D: 2817
Rotkovská D: 4112
Rotrosen J: 3366
Rotsztejn WH: 3377
Rotte T: 3486
Röttger P: 2020
Roubinian JR: 3548
Roudebush CP: 3367
Roudier M: 962
Roukema PA: 2800
Rouleau D: 957
Roulier R: 1164, 2527, 3368
Roulston JE: 3369
Rouse P: 3370
Rouslin W: 2518
Roux F: 361
Roux JF: 1298
Rovere LE: 4180
Row A: 4158
Rowland GN: 1107
Rowland LP: 3019
Roy J: 193
Roy S: 3371–3372
Rożek M: 3373
Rożek-Lesiak K: 3682
Rozen VB: 633
Rozenbaum H: 3374, 4328
Rozenszajn LA: 1456
Rozental' RL: 3375
Rozovskii IS: 3411
Rózsa KS: 2003
Rubenfeld S: 3376
Rubens RD: 3306
Ruberg M: 1034, 3377
Rubin B: 1528
Rubin J: 2656
Rubin JJ: 433–434
Rubin RP: 1017, 1512
Rubin RT: 4032
Rubin W: 3378
Rubinstein K: 3379
Rubinstein L: 3380
Rucinska EJ: 4134
Ruckhäberle KE: 3381
Rudd BT: 1884
Rüdiger HW: 4362
Rudman D: 4230
Rudman DR: 1128
Rudnikova LT: 2082
Rudolph AM: 679
Rudolph RH: 1529
Rudolph W: 1481
Rudorff KH: 3382
Ruedas E: 2308
Ruedi B: 2283
Rüedi T: 68
Ruffie A: 2308
Ruigrok TJ: 3383
Ruiter T: 3384
Ruitton A: 3443
Ruiz G: 3750
Ruiz Velasco V: 3385
Rumbaugh RC: 3386
Rumeau-Rouquette C: 376
Rumrich G: 4099
Rundgren M: 3387–3388
Rundo J: 3389
Runeberg L: 3390–3391
Ruoslahti E: 3392
Rupova IM: 176
Rupprecht E: 303
Rush J: 1303
Rusin VIa: 3393
Rusina NF: 2515
Russell A: 2199
Russell JM: 410
Russell LM: 1719
Russell RC: 2267
Russell RG: 1559, 3394
Russell WM: 589
Russell-Smith N: 365
Russo A: 134
Rust JH: 2389
Rusu I: 516
Rutherford JH: 1045
Rutledge A: 115
Rutledge F: 1176
Ruwart MJ: 1877
Ruwe WD: 3675
Ruzicka T: 3395
Ryan JJ: 3396
Ryan KJ: 215, 557, 3487
Ryan MT: 3397
Ryan N: 2088
Ryan RJ: 1967
Rybakova LM: 4462
Rybkin AI: 3398
Rychkova MP: 2071
Rychter J: 3001
Ryder TA: 1265
Rygg I: 440
Ryle M: 390
Rymer R: 259
Rymkiewicz-Kluczyńska B: 3699
Ryšánek K: 3399
Ryu K: 3400
Rząsa J: 3401

S

Saad SF: 3402
Sabău M: 135
Sabur M: 4232
Sacca L: 3255
Sacco F: 3403
Sack J: 3404–3405
Sackmann-Muriel F: 3406
Sadler WA: 3407
Sadove AM: 3408
Saegusa K: 3409
Saez JM: 829, 3410
Safaralieva AR: 3411
Safo M: 75
Safta L: 773
Sagar AJ: 3412
Sagara H: 4107
Sage HL: 2253
Sagel J: 2302
Sagel SS: 1908, 2262
Saghafi D: 3114
Sago AL: 3413
Sahut d'Irzarn JJ: 400
Said S: 1650
Said SI: 387
Saida K: 3414
Saidapur SK: 3415
Saigot T: 1439
Sainani GS: 2710
Sainati SM: 2368
Saipov TD: 3425
Saito H: 2932, 3416
Saito K: 1764
Saito M: 842, 2091, 2867, 4429
Saito S: 1937, 2932
Saito Y: 3417–3418, 4395
Saitoh Y: 3419
Sakai A: 4418
Sakai CN: 613
Sakai S: 1930
Sakakibara K: 2718
Sakakura M: 3420
Sakamoto A: 1909
Sakamoto N: i38
Sakatoku J: 3421
Sakhno AN: 2897
Sakmar E: 1258
Sakoda R: 2884
Sakornrattanakul P: 3109
Saksela E: 3422
Saksena SK: 3423–3424, 3424
Sakurada N: 1500
Sakurai M: 1886, 2718
Sakurai Y: 1764
Sakurami T: 3921
Salakhova NS: 3425, 4072
Salama R: 4286
Salamanca F: 131
Saland LC: 3426
Salariya EM: 3427
Salazar H: 1882
Salcedo JR: 1016
Salerno C: 2945
Salesse R: 2475
Saller CF: 3428
Salmon D: 1165, 3257
Salmon JA: 365
Salomon Y: 92, 2618, 3429
Saloniemi H: 3335–3336, 3336
Salti I: 2705
Saltman S: 928
Salvatierra O: 3128
Salvatore M: 1098
Salwa W: 2998
Salway JG: 3063
Salzman EW: 2417, 3430
Samaan NA: 52, 832
Samaha JK: 3871
Samanin R: 1243
Samartsev MA: 2481

Sambhi MP: 3982
Sammelwitz P: 789
Samoilov VO: 3431
Sampson CE: 2833
Sampson J: 3432
Sams R: 2048
Samson WK: 4187
Samuelsson B: 1378, 1391–1392
San K: 2544
San RH: 4337
San Marco JL: 2994
Sanberg AA: 4407
Sanborn BM: 3433
Sánchez Casado E: 3434
Sánchez García J: 3340
Sánchez Villares E: 125
Sand T: 1
Sandberg AA: 1868, 4405–4406
Sandberg G: 1175
Sandberg K: 1856
Sanders EJ: 3975
Sanders-Bush E: 3822
Sandman CA: 1912
Sandor V: 773
Sandoval C: 2849
Sane SY: 3435
Sanfilippo J: 3215
Sanford CF: 3436
Sankalé M: 3437–3440, 3438–3441
Sann L: 3442–3443
Sano M: 2514
Sano Y: 4423
Sansom S: 4284
Santaniello E: 3444
Santen RJ: 2243
Santer RM: 3445
Santiago-Delpín EA: 1352, 3446
Santruček M: 3447
Santti R: 1520
Saper CB: 3448
Saphir R: 2220
Sapin R: 3488
Sar M: 1984
Sarapu AC: 1514
Sareen K: 91
Sarkany I: 1268
Sárkány J: 3449
Sarkar D: 1239
Sarkar DK: 1110
Sarna GS: 3450
Saroff J: 3451
Sarosiek J: 3452
Sarrazin A: 1439
Sarzala MG: 3453
Sasaki H: 6
Sasaki K: 2006
Sasaki M: 3454
Sasaki N: 3918
Sasaki T: 3455
Sasaki Y: 3456
Sasano N: 1211
Saslavsky J: 3406
Sassard J: 3457
Sassier P: 3458
Sastry BV: 2725
Sataline L: 3459
Sato A: 3879
Sato E: 3460
Sato M: 3461, 3933
Sato N: 4403
Sato S: 140
Sato T: 1212, 3414
Satoh M: 1030
Sattar A: 3817
Satter LD: 3330
Satterberg JA: 3815
Satterwhite GR: 2265
Sattler J: 3540
Saudek CD: 3462
Saumande J: 3985
Saunders A: 3977
Saur K: 3463
Sauter J: 2202
Sautiere P: 4383
Sauvan R: 361
Sauvegrain J: 558
Savage DC: 3887
Savage MO: 3464
Savchenko ON: 207
Savi M: 2591
Savic J: 2349
Savina EA: 3465
Savini C: 1774
Savitskii GA: 3466
Savoie JC: 245
Savoie R: 3052
Savoini G: 4011
Sawa H: 19
El-Sawaf SA: 3
Sawrey JM: 477
Sawyer JR: 701
Sawyer WH: 203
Sawyers TM: 3953
Saxén E: 3467
Saxena BB: 613, 825
Sayre JW: 3857
Scacchi P: 2648
Scadding SR: 213
Scanabissi FS: 4036
Scanes CG: 1535–1536
Scanlon MF: 3744
Scarabin JM: 3006
Scarpa F: 3468
Scarsi MR: 3665
Scattolini G: 2566
Schaaf M: 2325
Schacht CJ: 3469
Schacht U: 3470
Schade DS: 3471
Schaefer H: 2086
Schaefer K: 2835
Schaefer ML: 1232
Schaeffer A: 2280
Schäfer W: 419
Schaff HV: 3278
Schaffner CP: 3688
Schafmayer A: 3964
Schaison G: 421
Schalekamp MA: 180
Schallenberger E: 3472
Schally AV: 748, 847, 1806, 1912, 3240, 3576, 3959–3960, 4190
Schams D: 3472
Schanbacher BD: 3473
Schane HP: 3130, 3474
Schaner EG: 954
Scharf J: 2581
Scharf T: 4173
Scharff M: 377
Schatte CL: 2580
Schauer K: 3475
Schearer SB: 3476
Schechter RJ: 3477
Schedl HP: 3046–3047
Scheele K: 4357
Scheinberg P: 2047
Scheler F: 1202, 2385
Schelling P: 1638
Schemmer RJ: 4102
Schenck B: 3571
Schenk WG Jr: 1090
Schenk WG 3d: 3478
Schenker JG: 3479
Schenker S: 1701
Scherer B: 2207
Scherer GE: 3480
Scherft JP: 3481
Scherholz KP: 3482
Schernthaner G: 2384
Scherrer H: 3483
Scherstén B: 2563
Scheuner G: 3381
Scheve LG: 3484
Scheving LE: 2168
Schiavi RC: 3485
Schieve JB: 3768
Schiff BE: 3486
Schiff GM: 3486
Schiff I: 3487
Schiffer HP: 794
Schiffer LM: 445
Schilienger JL: 3488
Schiller PW: 3489
Schillo KK: 3490
Schimke RT: 3024, 3311, 3491
Schimpf K: 2537
Schindler G: 3492
Schindler H: 750
Schindler R: 3540
Schiødt AV: 3493
Schirren C: 2205
Schlabach TD: 3494
Schlatterer B: 3495
Schlechte J: 3615
Schlegel C: 3381
Schlegel W: 2362
Schlenker RA: 2491
Schlesinger RE: 3496
Schlessinger J: 3497
Schlick W: 444
Schlievert PM: 3498
Schlondorff D: 3499
Schlör KH: 3832
Schmelck PH: 2249
Schmelzle B: 2559
Schmid P: 444
Schmid PG: 1638
Schmidt A: 803–804
Schmidt E: 1548
Schmidt H: 1234
Schmidt HS: 671
Schmidt JO: 3500
Schmidt M: 3783
Schmidt MJ: 3501
Schmidt P: 2070
Schmidt R: 3502
Schmidt U: 1668
Schmidt W: 1615
Schmiedt E: 1070
Schmitt O: 343
Schmitt T: 3503
Schneck J: 377, 3350
Schneider H: 886
Schneider HM: 1605
Schneider HP: 1503, 3504
Schneider L: 3505
Schneider PW: 87
Schneider W: 1431
Schnoes HK: 2756
Schnurmann D: 3506–3507
Schoenfield LJ: 3949
Scholes J: 2355
Schölkens BA: 3508
Scholler R: 3961
Scholz H: 2559
Schomberg DW: 46, 1501
Schöneshöfer M: 3018
Schönleben K: 1548
Schoot HC: 2597
Schorderet-Slatkine S: 3509
Schorer AE: 3510
Schorn D: 3511
Schrader WT: 3512, 3537
Schraibman IG: 3513
Schram JD: 3514
Schreiber AD: 661, 1436
Schreiber JR: 3515
Schreiber MH: 1145
Schreiber V: 3516
Schreiner GE: 1273
Schreiner RL: 3517
Schrey MP: 1017, 3518
Schriefers H: 1295
Schrier RW: 98, 310, 875
Schrijen JJ: 3253
Schrijver G: 3519
Schryver HF: 936, 3886
Schuchardt WA Jr: 3520
Schuck M: 1001
Schuenemann B: 3521
Schuetz AW: 3522
Schuier FJ: 1944
Schulak JA: 3523
Schuler G: 3524
Schulitz KP: 4354
Schulster D: 350, 2499
Schultz H: 3525
Schultz J: 3526
Schultz PN: 52
Schultz RE: 1108
Schultzberg M: 1650, 3527
Schulz G: 3528
Schulz JI: 3529
Schulz KD: 3530
Schulz W: 3531–3532
Schulze P: 3763
Schulze W: 3533, 3719
Schumm DE: 3534
Schünemann B: 1202
Schürer CC: 4362

Schuster CR: 2247
Schutyser J: 4140
Schuurs AH: 412
Schwabe C: 3535
Schwalm JW: 3536
Schwarcz R: 3658
Schwartz A: 1289, 2518, 3873, 4154
Schwartz HL: 733
Schwartz IL: 193
Schwartz JC: 1418, 1461, 2448
Schwartz N: 3223
Schwartz NB: 2369
Schwartz R: 647
Schwartz RJ: 3537
Schwartz-Kripner A: 3840
Schwartzel EH Jr: 2305
Schwarz BE: 3538
Schwarz H: 1865
Schwarz M: 1605
Schwarz U: 3539
Schwarzmann G: 3540
Schweiberer L: 3463
Schweinberger F: 1719
Scoggins BA: 1055
Scollo B: 3539
Scopes DI: 3501
Scornavachi JC: 841
Scott D: 1300
Scott DG: 3956
Scott J: 2424
Scott RS: 3541
Scott TW: 2784
Scott WC: 3542
Scouteris M: 3543
Scriba P: 3544
Scriver CR: 3967
Scully C: 3545
Seager SW: 4332
Seal US: 2295, 3546
Seale JP: 3547
Sealey JE: 581, 4239
Seaman I: 1142
Seaman WE: 3548
Season EH: 1981
Seaton JF: 174
Sebert JL: 3650
Seböková E: 3549
Sebor J: 4463
Secrest S: 3536
Seeburg PH: 3550
Seedat YK: 3551
Seeger JF: 3561
Seeley PJ: 2820
Seely RJ: 3552
Seemayer TA: 3553
Seene TP: 3554
Segal DH: 3555
Segal JP: 3556
Segal S: 312
Segal SJ: 3557–3558
Seggie J: 475
Seguchi H: 7
Séguin R: 2299
Sehr PA: 2820
Seidah NG: 3483
Seifert B: 3559–3560, 3560
Seigel RS: 3561
Seino M: 1764, 3562
Seino Y: 3631
Sekeris CE: 1635
Seki A: 1610
Sekiba K: 4423
Sekine T: 4093
Seldin DW: 1026
Seleznev UM: 3563
Selhorst JB: 520
Selianko AA: 3709
Seligson D: 3564
Seligson H: 3564
Sell A: 3525
Sells RA: 3565
Sellström A: 1577
Selman K: 3566
Semenchuk MM: 507
Semoff S: 3567
Sen PC: 2650
Sen S: 3568
Senac JP: 2760
Senda K: 3569
Sener A: 3570
Senft RA: 553
Senge T: 3571, 4069
Sengel RA: 3572
Senior B: 352
Senior J: 3056
Senterfitt VC: 3573
Seo T: 3935
Seppälä M: 158, 2079, 3392, 3574–3575
Seppet EK: 3554
Seprodi J: 3576
Serban I: 995
Serebrov VIu: 4089
Seress L: 3577
Serif GS: 3275
Serón-Ferre M: 1794
Serova LV: 1269
Serr D: 995
Serr DM: 2864–2865
Serrano M: 884
Serrano PA: 3578
Serri O: 3579
Servadio C: 2198
Servais J: 2271
Sessle BJ: 1706
Seth J: 4012
Sethi S: 3580
Setlow B: 3581
Setlow P: 3581
Seto F: 3582
Sevastikoglou JA: 2334–2335
Sevčík J: 3762
Severs WB: 3583–3584, 3584–3585
Sexton J: 3586
Seyama Y: 3587
Seybert DW: 3588
Seybold VS: 3589
Seyer-Hansen K: 2938
Seyfried H: 3692
Sforza M: 3590
Sgambato S: 1312
Shabanovaia SP: 3591
Shackelford GD: 3657
Shackelford WH: 2533
Shackleton CH: 3592–3595
Shackleton HL: 1672
Shafer B: 722
Shafrir E: 880
Shah DH: 2954, 3978
Shah DR: 1448
Shah JH: 4336
Shah MD: 3596
Shaikh AA: 584, 3597
Shaikh SA: 3597
Shain SA: 3598
Shalet SM: 3599
Shaltiel S: 1675
Shammas HF: 3943
Shamsuzzaman KM: 1736
Shanahan EA: 4226
Shand JH: 2821
Shands JW Jr: 3573
Shanfeld JL: 815–816
Shannon LM: 3484
Shapiro SS: 3600–3601
Sharkey RM: 1336
Sharma JN: 4378
Sharma VC: 3602
Sharman VL: 4134
Sharmanov TSh: 3603
Sharpe RM: 2429
Shattil SJ: 3604
Shaw DA: 4168
Shaw GK: 2441
Shaw HE: 2859
Shaw JO: 3605
Shaw RW: 950
Shaw SR: 4325
Shawker TH: 955
Shchedrina RN: 389
Shcheglov VV: 107
Shea B: 2711
Shechter Y: 3497
Sheela Rani CS: 3606
Sheffield JB: 4116
Shehata MM: 3402
Shekhtman MM: 3607
Sheline GE: 4255
Shellenberger TE: 1617
Shelley JH: 3608
Shelton JR: 4002
Shen FH: 3609
Shen JC: 1017
Shen K: 3610
Shennan CD: 496
Shepard R: 701
Shepherd JT: 913
Sheppe WM Jr: 978
Sheridan P: 3611
Sheridan PJ: 3612
Sherins RJ: 3282
Sherlock S: 3613
Sherman AD: 3614
Sherman B: 4390
Sherman BM: 1828, 3615
Sherman MR: 3616
Sherr HP: 3617
Sherrard DJ: 3609
Sherwin JR: 3731
Shetalova MV: 4071
Sheth AR: 872, 3618
Sheth JJ: 3619
Sheth KL: 3619
Sheth UK: 2746
Shetty SP: 1717
Shetye TA: 2555
Sheves M: 975
Shibasaki M: 1676
Shibasaki S: 3905
Shibata S: 3620
Shibolet S: 1061
Shibusawa H: 4423
Shibuya H: 2480
Shields D: 2339
Shields R: 3621
Shiga H: 1734
Shigemi F: 3622
Shih JC: 3623
Shiigi JM: 2625
Shiigi SM: 2625
Shiina H: 3630
Shikita M: 3963
Shiliaev RR: 3398
Shilov VN: 2065
Shim C: 3624
Shimada K: 3625
Shimamoto N: 1743
Shimamura T: 3626
Shimizu H: 2044
Shimizu K: 3627
Shimizu M: 3635
Shimizu S: 2851, 2878, 3628–3629
Shimizu T: 1029
Shimoda S: 3630
Shimotsuji T: 3631–3632, 3632
Shin SH: 3633
Shindian MA: 2141
Shine J: 3550
Shine KI: 3634
Shingleton HM: 1543
Shinoda M: 3635–3636
Shinohara K: 128
Shinsako J: 792
Shioji R: 3416
Shiojima Y: 4092
Shiokawa H: 2827
Shiomi H: 2153
Shiotani Y: 3637
Shirai D: 1739
Shirai K: 3417
Shiraishi K: 7
Shiraishi T: 2678
Shiraki M: 2752
Shire T: 4358
Shirley DG: 3638
Shiroozu A: 3639
Shirozawa K: 1931
Shishkina TV: 182
Shitomi K: 3416
Shively CA: 3100
Shizume K: 863–864, 3640
Shkhinek EK: 3641
Shkhvatsabaia IK: 3642, 3778
Shlimovich PB: 2154, 3643
Shmarov DA: 3431
Shmerling ZG: 3644
Shoaf HK: 2729
Shoda H: 3645
Shooter EM: 415
Shorin IuP: 4120
Shorina GN: 3766

Short CR: 3646
Short RV: 4228
Shosa D: 1927
Shramko AF: 3647
Shtin VP: 2595
Shukoliukov SA: 2071
Shulman S: 3648
Shupe JL: 544
Shvachkin IuP: 4109
Shvartsman AIa: 3649
Siame JL: 3650
Sibbald WJ: 3950
Sica G: 1781
Sicuteri F: 3651
Siddorn JA: 3652
Siebenschein R: 4183
Sieck GC: 3653–3654
Siedenburg F: 792
Siegel FP: 3655
Siegel L: 3656
Siegel MJ: 3657
Siegel PB: 290
Siegenthaler W: 4183
Sieghart W: 3658
Siemers PT: 1615
Sieradzki J: 3899
Sierbaek-Nielsen K: 2000
Sierralta W: 1857
Siersbaek-Nielsen K: 260, 1049
Siesjö BK: 3244
Siess EA: 3659
Siess W: 2207
Sigel MB: 4032
Signer ER: 4087
Signoret JP: 1050
Sigrist H: 3660–3661
Sigrist-Nelson K: 3661
Siiteri PK: 2602, 3662–3663
Silberbauer K: 3664, 3692–3693
Siler-Khodr TM: 1972
Silhan J: 2551
Siliato F: 3665
Silinková-Málková E: 4206
Silk DB: 1502
Silman RE: 3666
Silpisornkosol S: 3064
Silva de Sá MF: 3667
Silveira Filho B: 156
Silver MJ: 3668, 3733
Silverman AJ: 2116
Silverman MH: 2089
Silverman N: 3177
Silverman S Jr: 2379
Silverman VE: 3669
Silverstein AM: 1167
Silvestro JR: 3670
Sim MK: 1458
Simmons JR: 1180
Simmons MS: 3857
Simon B: 3671–3672, 3672
Simon BE: 3673
Simon J: 1222
Simon MA: 2577
Simon RM: 4433
Simon SR: 2993
Simon V: 3823
Simoni D: 219
Simonin R: 3674
Simonini N: 1296
Simonovic M: 2567–2568, 2568
Simpson AA: 2424
Simpson CW: 3675
Simpson DI: 237
Simpson ER: 3676
Simpson JB: 3677
Simpson JL: 3678
Sims SM: 1257
Simson JA: 3679
Simu G: 773
Sinding C: 3680
Singer TP: 3681
Singer Z: 3682
Singh A: 2437, 3683
Singh B: 1259, 1873, 2456
Singh BN: 3684
Singh I: 3602, 3685
Singh MM: 2665
Singh N: 4375
Singh PP: 3686
Singh SB: 3238
Singh SP: 3687
Singhal AK: 3688
Singhal RL: 3229–3230, 4045
Singleton G: 2868
Sinha AK: 3689
Sinha AP: 3690
Sinha YN: 3691
Siniscalco M: 3288
Sinnecker G: 3105
Sintermann R: 3074
Sinzinger H: 3664, 3692–3693
Sioch R: 3699
Sirang H: 100
Sirbasku DA: 971
Sirinek KR: 3694
Siris SG: 4146
Sirois P: 1032
Sitaramam V: 3695
Sithichoke N: 3696–3697
Sitkin MI: 3698
Sito A: 3699
Sivasomboon B: 83
Siverman AJ: 3700
Sivin I: 1071
Sivula A: 3016
Six P: 3539
Six R: 1222
Sixma JJ: 1287
Sizemore GW: 567
Sizonenko PC: 3701–3702
Sjöberg NO: 10, 2326, 2563
Sjöblom L: 2373
Sjöqvist F: 319
Sjöström R: 4326
Skafish PR: 3517
Skalko RG: 3703
Skalski M: 3899
Skarstein A: 3704
Skebel'skaia IuB: 2169
Skehan MW: 3705
Skeldon N: 3706
Skerfving S: 3707
Skett P: 1224–1225, 3708
Skinner J: 3638
Skoblina MN: 3644
Skoglund RR: 3800
Skok VI: 3709
Skoromets AA: 1943
Skovsted L: 260, 1831–1832
Skrabal F: 4461
Skre H: 3710
Skrinska VA: 3711
Skublicki S: 19
Sladký K: 3165
Slagsvold JE: 3710
Slama R: 259
Slaninová B: 4463
Slater JD: 1850
Slater NG: 4338
Slatopolsky E: 2009, 3712
Slaughter MH: 3713
Slavinski-Turley EA: 3714
Slavnov VN: 3715–3716
Slawson RG: 3717
Slepushkin VD: 3718
Slezák J: 3719
Sliwa P: 4371
Sloan E: 3826
Slotki IN: 923
Slotkoff L: 2829
Slozhenikina LV: 3720
Sluyser M: 3721
Smale LE: 3722
Smale ML: 3722
Small IF: 1564
Small JG: 1564
Small PA: 2090
Smart RA: 544
Smejkal V: 3723
Smejkalová E: 3723
Smigel M: 1391
Smiller RR: 3101
Smirnov AN: 3724
Smirnov VG: 3725
Smirnov VM: 21
Smirnov VN: 3563
Smirnova AP: 4109
Smirnova NA: 1452
Smith AJ: 3726
Smith BT: 3942
Smith CB: 1293
Smith CE: 1315
Smith CW: 193
Smith DM: 3727
Smith DR: 3728
Smith DW: 3729–3730
Smith E: 1850
Smith EF 3d: 3731
Smith FA: 1143
Smith GA: 287
Smith HC: 1306
Smith JB: 3668, 3732–3733
Smith JC: 2695
Smith JM: 3734
Smith JR: 3792
Smith KA: 1700
Smith KD: 3326, 4287, 4484
Smith MA: 722, 724
Smith MC: 3735
Smith MJ: 818
Smith PG: 1620
Smith R: 791, 2892, 3394
Smith RG: 3512
Smith RJ: 3736
Smith RL: 537, 3737
Smith SG: 822
Smith T: 2716
Smithcors JF: 3738
Smock T: 442
Smolin G: 3739
Smorshchok SA: 3740
Smuckler EA: 339
Smulyan H: 2663
Smyth DG: 1791
Smythe P: 2767
Snart RS: 3741
Snell AP: 3742
Sniderman S: 192
Snoddy HD: 1214–1215
Snoswell AM: 3743
Snow MH: 3744
Snyder AK: 3687
Snyder AM: 1169
Snyder D: 3745
Snyder M: 2864
Snyder RD: 3745
Snyder RJ: 1121
Soares JH Jr: 3746
Sobel A: 2184
Sobel EH: 895, 3747
Sober CL: 4361
Sober I: 3126
Sobhon P: 3941
Sobieszczyk S: 2081
Soboczyński A: 3748
Sobradillo B: 4444
Sobrinho-Simões MA: 3749
Sobrino F: 3750
Söderström KO: 1952
Soeda A: 3751
Soffer RL: 3752
Sohn H: 3753
Sohtome S: 3754
Soin JS: 2462
Sokolova NA: 633
Sokolova ZP: 3169
Sokolowski JH: 3755–3756
Solano AR: 3094
Solcia E: 3757
Solecki J: 3758
Soliman KF: 2889
Sollertinskaya TN: 3759
Solomon HS: 3871
Solov'ev VN: 3431
Solov'eva NA: 3760
Solum NO: 2399
Someren A: 1360
Somers G: 3570
Somers S: 1088
Somerville PJ: 3761
Somma M: 3579
Sonis S: 2196
Sonka J: 3762
Sonnenblick EH: 3752
Sönnichsen N: 1419, 3763
Soodak M: 2771
Soong SJ: 1543
Sörensen B: 1039
Sörensen R: 2866, 3764
Sørensen SF: 2465

Sørensen T: 2221
Sorez JP: 3765
Sorokin AS: 3766
Sorokin SP: 3767
Sorokina IB: 633
Sortwell RJ: 3043
Sostre S: 3768
Soto A: 832
Soto JM: 3769
Soto RJ: 3830
Soto Ferreira G: 3206
Sotos JF: 671, 1275, 4163
Soulairac A: 3770
Soulairac ML: 3770
Soumplis A: 797
Southren AL: 4197
Souvatzoglou A: 3291
Souza IT: 4231
Sovak M: 1615
Sow AM: 3437–3440, 3438–3441
Sowers JR: 3771
Soza X: 3188
Spaet RH: 681
Spagna VA: 3772
Spagnuolo C: 3773
Spano PF: 1244, 2145
Sparkes RS: 2310
Sparsø BH: 967
Spater HW: 3774
Spater SH: 3774
Spaziani E: 970
Speak K: 1383
Spealman RD: 2247
Speck G: 1240
Spector M: 191
Speeg KV Jr: 295
Speir WA Jr: 1011
Spellacy WN: 3775
Spelsberg TC: 3776
Spencer H: 3777
Spencer R: 476
Spencer RP: 4253
Spengler DM: 579
Speranskaia NV: 3778
Sperelakis N: 3779
Sperling O: 3780
Spicer SS: 3679
Spiegel AM: 3781
Spies F: 3383
Spies SM: 3684
Spijker HJ: 3782
Spilka L: 4463
Spincemaille J: 427
Spindel A: 438
Spira PJ: 2197
Spiteller G: 2385
Spitz IM: 2199
Spitz J: 3783
Spitzer RW: 4414
Spławiński JA: 3784
Spoljar M: 3785
Spona J: 1425
Sporn JR: 4367
Sprayregen S: 3786
Spring DD: 1474
Spryshkova NA: 3160
Spryshkova RA: 3160
Spurr CL: 2728
Spyker JM: 1372
Squires AE: 1472
Srivastava K: 2326, 3787
Srivastava KK: 3788
Srivastava RS: 1294
St Louis PJ: 3789
St Pierre S: 2282
St-Pierre SA: 1040
Staab R: 225
Stabellini G: 4035
Stacey PM: 1589
Stach R: 3790
Stachowiak M: 3791
Stachowicz W: 2942
Stachura J: 3899
Stadler HE: 3792
Stafford SS: 1232
Staffurth JS: 3842
Stahl A: 2621
Stähl S: 3793
Stalcup SA: 3794
Stambaugh JE Jr: 3795
Stan HJ: 1646
Stanbury SW: 3796
Stanchfield JE: 3797
Standen JR: 547
Stanford C: 282
Stanisic D: 2568
Stanislavov R: 3163
Stankovic A: 1280
Stanley JC: 4276
Stanley RJ: 1908, 2262
Stanley TH: 4277
Stanosek J: 1586
Stanton GJ: 3798
Stanton HC: 3799
Stapleton FB: 3800
Stapleton JF: 3556
Stapleton K: 1148
Stark E: 2499
Stark H: 722
Stárka L: 1499, 3801
Starke K: 3802, 4292
Starkova NT: 3803
Starr P: 3804
Starup J: 3805
Starzl TE: 1161–1162
Statham HE: 3806
Staub JJ: 3807
Staudt J: 3808
Stavy M: 3809
Stechel R: 3786
Steckel S: 4121
Steele L: 3706
Steele TH: 3810–3811
Stefaniak JE: 3286
Stefanini E: 1244
Stefanis C: 3291
Steffens C: 4354
Steger RW: 3020
Steier W: 4252
Steigerwald JC: 2089
Stein DG: 1533
Stein H: 2131
Stein JH: 3812
Stein L: 2409
Stein O: 1191
Stein Y: 1191
Steinau U: 2020
Steinberger A: 847, 3433, 3813, 3959–3960
Steinberger E: 1421, 1566, 3146, 3326, 3433, 4287, 4484
Steinbusch HW: 3814
Steiner B: 326
Steiner BW: 3815
Steiner G: 3827
Steiner R: 3816
Steinetz BG: 4288
Steinrauf LK: 3817
Stenke L: 2586
Štěpán J: 470
Stepanenko LI: 3715
Stephan T: 800, 3503
Stephen KW: 1093
Stephen R: 3818
Stephens JK: 3819
Stephens JL: 3820
Stephens SD: 576
Stephenson JB: 3821
Stępien H: 3001
Steppeler A: 4292
Steptoe PC: 1157
Steranka LR: 3822
Stěrbová E: 4463
Stérbová J: 3823
Sterling K: 3824
Stern J: 1071
Stern LZ: 1052
Stern PH: 2756, 3825
Sternberger LA: 2165
Sternby NH: 1753
Sterra G: 3106
Stevens E: 1964
Stevens EA: 2837
Stevens J: 3826–3827
Stevens RH: 3828
Stevens YW: 3826–3827
Stevenson MR: 3222
Stevenson RD: 3829
Stewart DA: 1475
Stewart HJ: 1150
Stewart PA: 3956
Stewart RD: 3830
Stewart RH: 2277
Stewart WB: 4385
Stiehl A: 3672
Stifel FB: 3617
Stites D: 3662
Stitt RW: 3831
Stiukhliaev VP: 2142
Stjernström NE: 568
Stock G: 3832
Stockert JC: 695
Stockigt JR: 4021
Stoehr B Jr: 2708
Stoeltzing W: 51
Stoewsand GS: 4436
Stoffer SS: 3833
Stögmann W: 3834
Stokes JW: 1163
Stokke DB: 3835
Stokłosowa S: 1400
Stolárik P: 2468
Stolecke H: 100
Stoll R: 3836
Stoll RW: 4298
Stoll W: 4205
Stoller RG: 595
Ston J: 3837
Stone GM: 3838
Stone GW: 2202
Stone RA: 2313
Stone SC: 3839
Stone SL: 613, 3840
Stoner HB: 2349
Stopińska U: 210
Storer EH: 1420
Stott AN: 3988
Stott GH: 3841
Stott RB: 3842
Stötzer H: 4290
Stover DE: 3624
Stowers DJ: 3176
Stragand JJ: 445
Stramentinoli G: 774
Strandhoy JW: 4299
Strange PG: 3843
Strange RC: 4341
Strata A: 3844
Straub H: 3095
Strauss J: 1008
Strauss JF 3d: 3845
Strbák V: 2414
Strel'chenok OA: 43
Stricker EM: 3428, 3846–3847
Strobel M: 3848
Strohmeyer G: 3382
Strolley PD: 115
Strominger DB: 1472
Stroobant A: 3849
Strope E: 22
Strott CA: 954, 3850–3851
Stroufová A: 1686
Stroupe SD: 4310
Struchak SV: 389
Struhár H: 3852
Struhár M: 3853
Strum JM: 3854–3856, 3855–3856
Strumilo SA: 354
Strumpf IJ: 3857
Strumpf M: 3858
Stuart JJ: 2728
Stubbs AJ: 3859
Stubbs WA: 853, 3860
Stüber P: 3808
Studd J: 3861
Studdy P: 3862
Studer A: 4183
Stumpf B: 3863
Stumpf WE: 1984
Sturman JA: 3228
Stüttgen G: 3864
Stutzman L: 1346
Su YF: 3865
Suárez A: 3446
Subbotin VM: 2502
Subbotin MIa: 3866
Suda T: 1930
Sudakov KV: 21
Sudár F: 770
Suddith RL: 1462
Suematsu H: 3926

Suetsugu N: 128
Sugaya E: 3867
Sugi H: 3868, 3881
Sugimoto I: 163
Sugiyama Y: 4399
Suhadolnik RJ: 4387
Suit HD: 630
Suki WN: 4284
Sulakhe PV: 3789
Sulik KM: 3869
Sullivan AC: 3870
Sullivan CA: 3088
Sullivan FM: 227
Sullivan JM: 3871
Sullivan K: 1529
Sullivan PA: 581
Sulman C: 320
Sulman FG: 2164
Sultanaliev TA: 3096
Sumida C: 3872
Sumida M: 3873
Sumikawa K: 2885
Summy-Long JY: 3583
Sun FF: 3874, 4377
Sunaga Y: 3875
Sunano S: 2639
Sundblad R: 2808
Sunder JH: 3503
Sundsfjord JA: 1582
Surawicz B: 1744
Surber MJ: 2725
Suri RK: 91
Surks MI: 1299
Surti U: 3898
Suryawanshi SA: 939
Susac JO: 3876
Suslina ZA: 3877
Sutton D: 4167
Sutton RA: 3878
Suvorov IM: 625
Suwa S: 2434, 3936, 4016
Suwanjinda P: 3109
Suzaki S: 3879
Suzue S: 1938
Suzuki A: 1209
Suzuki F: 1920
Suzuki H: 38, 3630
Suzuki K: 2503–2504, 2504, 3409
Suzuki M: 127, 1500, 3910, 3924
Suzuki N: 3880
Suzuki S: 3868, 3881
Suzuki T: 2748, 3882
Suzuki Y: 689, 2514, 2747, 3883
Svanidze RS: 2170
Svarch E: 3406
Svendsen PA: 2979
Svensson B: 2831
Svensson TH: 3884
Sviridov OV: 43
Swaab DF: 3885, 4147
Swales JD: 4001
Swami KS: 2758
Swannell AJ: 2030
Swanson LW: 3448
Swanson SA: 692
Swarts HG: 3253
Swarts JJ: 2528
Swartz BE: 4381
Swartzman JA: 3886
Swenson DH: 1182
Swerdel MR: 3746
Swerdloff AF: 3847
Swerdloff RS: 1397
Swerts JP: 1418, 2448
Swick HM: 2430
Swiderska K: 3452
Swift PG: 3887
Swinburn PD: 3888
Swindell R: 199
Swisher DA: 4040
Switzer BR: 980
Sybert VP: 3889
Sydnor CF: 2859
Sylk D: 3180
Sylvestre J: 2299
Symes E: 1393
Symonds EM: 3073, 3890
Sysuev VA: 3891
Szabó J: 2395–2396
Szabolcsi LM: 4350
Szadowska A: 3895
Szalczyński Z: 2998
Szányiová M: 183
Szarvas Z: 3892
Szathmáry I: 3894
Szczeklik A: 3893
Szechter R: 3485
Szekamova S: 3894
Székely JI: 184
Szemantsik T: 2387
Szepesi G: 3979
Szepesi T: 3979
Szmigielska H: 3895
Szmigielski S: 3896
Sznapka Z: 2477, 3899
Szobor A: 3894
Szramowski J: 3179
Szukalski B: 3897
Szulman AE: 3898
Szwarcfarb B: 2648
Szybiński Z: 3899
Szymendera J: 3900

T

Tabachnick M: 3901
Tabakoff B: 1637
Tabaste JL: 3505
Tabata K: 2886
Tabatabai M: 3902
Tabor HD: 2176
Tadano Y: 3903
Taddei C: 103
Taguchi T: 6
Tähkä KM: 3904
Taipale A: 2956
Taira K: 3905
Taira N: 1629
Tait RM: 3906
Tajima C: 3907
Takada I: 2514
Takagi H: 2153
Takagi K: 3908
Takahara J: 1691
Takahashi H: 3909, 3926
Takahashi K: 1500, 3910
Takahashi S: 2867
Takamitsu Y: 3911
Takamiya H: 3912
Takamizawa H: 3907
Takaoka Y: 3913
Takase T: 1920
Takashima Y: 2149, 4020
Takasu N: 3914–3915
Takatori T: 3916
Takayama S: 3917
Takayanagi M: 3918
Takayasu S: 2640
Takebayashi K: 6
Takebe K: 3420
Takeda F: 3919
Takeda R: 2749, 4107
Takeda S: 3920
Takeda Y: 2885
Takegami T: 3921
Takemura Y: 3630
Takenaka K: 2827
Taketa K: 3922
Taketomi Y: 3923
Takeuchi A: 3924
Takeuchi S: 3909
Takizawa T: 3925
Takuma T: 2150
Tal E: 2164
Talal N: 3548
Talalay P: 3963
Talbert JL: 1653
Talev JN: 2305
Täljedal IB: 1229
Tallada M: 50
Talmage RV: 2530
Taluppeth N: 3941
Talwar GP: 2148
Tam WH: 4051
Tamaela LA: 3788
Tamai H: 3926
Tamaki Y: 3907
Tamarit J: 848
Tamarit-Rodriguez J: 3927
Tamaya T: 3928–3929
Taminato T: 5
Tamura G: 117
Tamura Y: 3879
Tan EL: 3930
Tan SY: 3219, 3931
Tanae A: 2526, 3932
Tanaka I: 4057
Tanaka K: 3933
Tanaka KR: 2891
Tanaka M: 3622, 3934
Tanaka S: 1940, 3935, 4094
Tanaka T: 2754, 3926, 3936–3937
Taneja RL: 2445
Tang BY: 3938
Tangney CC: 3939
Tani Y: 2501
Tanimura H: 2740
Tanizaki M: 3935
Tanizawa O: 89
Tannenbaum SR: 3940
Tanphaichitr N: 3941
Tanswell AK: 3942
Tappin J: 1178
Tarakji MS: 3943
Taranenko AG: 2481
Tarascio P: 1279
Tarasiuk BA: 4449
Taraskevich PS: 3944
Tarasov IuA: 354
Tarazi RC: 2792
Tarnavsky GK: 2545
Tarquini A: 3945
Tasch EG: 1960
Tashjian AH Jr: 3946
Tashkin DP: 3857
Taskinen MR: 1357, 3015
Tassell R: 3947
Tateishi K: 3948
Tateishi R: 2522
Tateno Y: 3409
Tatsumi T: 1610
Taub M: 3949
Tavernier J: 942
Taves DR: 1143
Tawara K: 1757
Taylor AE: 2976
Taylor AN: 3653–3654
Taylor B: 3950
Taylor BA: 4345
Taylor BM: 3874
Taylor CR: 2156, 3951–3952
Taylor D: 40
Taylor DA: 3953
Taylor FR: 3954
Taylor KJ: 4245
Taylor MM: 3955
Taylor NF: 3593–3594
Taylor PJ: 717
Taylor RS: 2176
Taylor TA: 3956
Taylor WB: 609
Taylor-Papadimitriou J: 3045
Tazaki H: 1542
Tazhibaev ShS: 3603
Tcholakian RK: 847, 3957–3960
Tea NT: 3961
Teague LG: 3962
Teague PO: 2135
Teal HM: 3450
Teasdale P: 1945
Teboul-Faure L: 293
Teesalu SA: 1974
Tegos S: 2508
Teicher BA: 3963
Teichmann RK: 3964
Telfer N: 45
Teller WM: 3965
Temirova KV: 3966
Templeton J: 2177
Tenedieva VD: 3096
Tenenbaum D: 4031
Tenenhouse HS: 3967
Teng CS: 3968
Teng CT: 3968
Tenku A: 2811
Tenniswood MP: 3969
Tennstedt A: 3970
Teolato S: 4011
Tepperman HM: 1778, 3971

AUTHOR INDEX

Tepperman J: 1778, 3971
ter Haar MB: 3972
Teramoto S: 3620, 3935
Terayama H: 2888
Teredesai PR: 3180
Terekhova VA: 3891
Terenius L: 1650, 3527
Terent'eva LS: 3973
Terkel J: 3809
Terner C: 3974
Terner UK: 3975
Terragno NA: 3338
Terranova PF: 3976
Terry BE: 521
Terry LC: 3977
Terzani E: 893
Terzić-Kazić N: 945
Teschan PE: 443
Tesseraux I: 76
Texier L: 602
Teyssier P: 833
Tezuka U: 1932, 2627, 3879
Thakare UR: 3978
Thakur AN: 3618
Thaler H: 3979
Thaler MM: 3068
Thalmann I: 3980
Thalmann K: 3981
Thalmann R: 3980
Thanangkul O: 83
Thananopavarn C: 3982
Thaxton P: 3983
Thenen SW: 3984
Théoleyre M: 296
Thibier M: 3985
Thiery C: 2733
Thiery JM: 2733
Thijssen JH: 2298, 4150
Thliveris JA: 3035
Thody AJ: 4153
Thoenen H: 2541, 3986
Thom M: 3861
Thomas CC Jr: 84
Thomas ED: 545
Thomas F: 3987
Thomas GW: 3988
Thomas J: 3987, 3989
Thomas JM: 2791
Thomas M: 962, 2119
Thomas PS: 2412
Thomas WA: 1979, 3990
Thomasset M: 2474
Thommesen P: 1173
Thompson DL: 3991
Thompson GE: 2821
Thompson IL: 3992
Thompson JC: 3964
Thompson P Jr: 3993
Thompson RG: 1228
Thomsen E: 3994
Thomsen M: 3994
Thomson AD: 2441
Thomson AM: 3995
Thomson JA: 2422
Thomson KR: 2416
Thomson NM: 1300
Thorbecke GJ: 3111
Thorburn GD: 1133, 2425, 2629, 2631, 3314, 3666
Thorell J: 10
Thorens S: 3996
Thoresen TS: 3997
Thornburg KL: 349
Thorne J: 3741
Thorne MC: 1388
Thörner G: 1944
Thornfeldt CR: 3998
Thornfeldt RE: 3998
Thornton H: 1375
Thornton HL: 3999
Thorogood PB: 365
Thorpe CW: 4256
Thorpe DH: 1589
Thorup OA: 978
Thrall C: 3776
Thrasher AZ: 2459
Thurmond AS: 4000
Thurston H: 4001
Ticsa I: 773
Tidd MJ: 4002
Tidgren B: 2830
Tierney DF: 1349
Tikal K: 4003
Tikhonova NM: 1869
Tiktinskiĭ OL: 4004
Tiktinskiĭ VS: 458
Tiktinsky OL: 4005
Till R: 4076
Tiller R: 4096
Tillson SA: 4040
Timin EN: 1233
Timiras PS: 4006
Timoshenko LV: 4007
Tindall GT: 1128
Ting A: 2695
Tiptaft EM: 1101
Tirelli F: 3844
Tishenina RS: 1870
Titov VN: 4008
Titova GV: 4009
Tiukhai SV: 3973
Tiutiunova AM: 3101
Tkachuk AM: 2084
Toaff R: 852
Tobin MS: 4252
Tobin RB: 639
Tobler H: 2139
Tobon H: 1882
Toczołowski J: 4010
Toda N: 1554
Todd PG: 2767
Todorov S: 3048
Todortseva MS: 108
Toffano G: 4011
Toft AD: 4012–4013
Toft D: 4014
Toghill PJ: 1695
Toivonen I: 3391
Toivonen J: 4015
Tojo S: 2646
Tokado H: 2592
Toker C: 2649
Tokoš M: 2467
Tokuhiro E: 4016
Tolchinskiĭ VV: 3649
Tolentino P: 4017
Tolis G: 1196, 4018
Tollefson CM: 4258
Tollin C: 1467
Tolone C: 4019
Tolone G: 4019
Tomasula JJ: 550
Tominaga A: 2149, 4020
Tomita T: 1553
Tomita Y: 3933
Tomizawa S: 2812
Tomlinson S: 1559
Tonascia JA: 115
Tooley M: 1324
Toor HS: 1900
Topliss DJ: 4021
Topping DL: 240
Toppozada M: 4022
Torda T: 771
Torella R: 1312
Torelli V: 498
Torhorst J: 1709
Tori JA: 4023
Torigai S: 140
Torii S: 4024
Torková LP: 3852
Tormey DC: 4025
Torrence AK: 1581
Torres IJ: 1749
Torres J: 463
Toru M: 4026
Tosoni MJ: 4027
Toubeau G: 4028
Touchard J: 988
Touchstone JC: 4029
Touitou Y: 4030
Tounkara-Faye S: 3438, 3440
Touré YI: 3439
Touw J: 892
Touzery C: 4031
Továrek J: 3399
Tower BB: 4032
Towler CM: 15
Town C: 3432
Townsend JL: 2868
Toya S: 1734
Toyoda H: 1742
Trabucchi M: 1244, 2145
Tracey D: 1579
Trachewsky D: 3930
Tracy J: 715
Traficante LJ: 3366
Träger E: 4357
Tralka TS: 4033
Tran D: 1848, 3066
Tran MA: 4034
Traniello S: 4035
Tranter CJ: 535
Travers R: 1319
Travianko TD: 4007
Tredway DR: 933
Trejo R: 56
Tremblay RR: 3303
Trentini M: 4036
Treshchuk LI: 2120
Tret'iakova TA: 2964
Trewby PN: 1502
Triantaphyllidis H: 4037
Tribulová N: 3719
Triebwasser WF: 4038
Trimarco B: 3255
Trimble S: 3486
Trinchet JC: 962
Trinchieri F: 2722
Tripodi V: 4039
Triscovic D: 2486
Trmal T: 407
Trobaugh FE Jr: 27
Trobough G: 4040
Troehler U: 398
Trofimova NI: 2572
Tröger HD: 4041
Troitskaia EN: 2443
Trolle D: 2933
Trosko JE: 611
Trüber E: 3764
Truelove SC: 4042
Truex LL: 3501
Trugnan G: 3254
Truitt AJ: 1857
Trulson ME: 2420
Trunova MM: 4043
Tryong K: 2404
Tryselius M: 1874
Tsafriri A: 2324
Tsai MJ: 3347
Tsai P: 322
Tsai SC: 4044
Tsai SY: 3347
Tsairis P: 359
Tsang BK: 4045
Tsang RC: 473, 4046
Tsang WN: 694
Ts'ao CH: 4047
Tschantz P: 4048
Tschechne B: 4103
Tschechne D: 4103
Tschope W: 3297
Tse TF: 4249
Tseng L: 4049
Tseng LF: 4050
Tsil'mer K: 4072
Tsivil'ko MA: 2072
Tslaf ZZ: 4462
Tso EC: 4051
Tso WW: 4052
Tsuboi S: 4053
Tsuchida S: 4054
Tsuchiya A: 7
Tsuchiya H: 2525, 4055
Tsuchiya S: 3924
Tsuchiya Y: 644
Tsukagoshi S: 1742
Tsukui K: 4056
Tsuruhara T: 2844
Tsurusaki T: 3928
Tsurusawa M: 2878
Tsuzaki K: 4057
Tsvetkov Ts: 4058–4059
Tsvetkova NV: 4144
Tsybenko VA: 4060
Tsyndrenko AIa: 922
Tsyrov GI: 4089
Tuan RS: 4061
Tuck ML: 2100
Tucker EM: 4062

Tucker HA: 3536
Tucker R: 4063
Tucker RG: 3078
Tucker WG: 4064
Tuev AV: 4065
Tuffery AR: 3241
Tuganowski W: 4066
Tugolukov VN: 1416
Tuimala R: 593
Tulchinsky D: 3487
Tulcinsky DB: 894
Tuma S: 1189
Tuma V: 4196
Tuncbilek E: 1956, 4067
Tung TC: 4068
Tunn U: 3571, 4069
Tunnicliff G: 1776
Tuomisto J: 4070
Tupitsyna ND: 4065
Turakulov IaKh: 3425, 4071
Turakulova FIa: 3425, 4072
Turcotte JG: 133
Tureková L: 4073
Turevskiĭ AA: 4074
Turini GA: 1792, 4075
Turinskiĭ AD: 2040
Türk H: 2070
Turksoy RN: 1058
Turnbull AC: 2630, 2632, 2634
Turnbull MJ: 1010
Turner G: 4076
Turner IM: 4077
Turner P: 4078
Turner R: 4417
Turner TT: 4079
Turner UG 3d: 978
Turtle JR: 252
Turusina TA: 3227
Tušl M: 4218
Tuttle ME: 188
Tuvemo T: 4080
Twardzik BL: 3223
Twiford TW Jr: 4081
Tybring G: 319
Tyce GM: 4082
Tyler JP: 3727
Tyler WJ: 3330
Tyson JE: 4083
Tzeng SF: 4084
Tzingounis VA: 48

U

Ubachs JM: 4085
Uchida K: 4107
Uchida M: 1909
Uchida N: 2007, 2886
Uchitel' IA: 4086
Uchiyama G: 3409
Ucker DS: 4087
Ude J: 4088
Udintsev NA: 4089
Ueda J: 4090
Ueda M: 2749, 3922
Ueda Y: 1930
Ueha T: 1692
Uehling DT: 4091
Ueki S: 3628
Uemura T: 4092
Ueno T: 4093
Ueshima H: 4398
Uesugi S: 4094
Ugolotti G: 3844
Ugriumov MV: 4095
Uhing RJ: 1382
Uilenbroek JT: 4096
Uittenbogaart CH: 2447
Ulitovskiĭ DA: 4097
Ullrich A: 3550
Ullrich KJ: 4098–4099
Ulmsten U: 4353
Umeda G: 4100
Unakami H: 3753
Underwood JL: 3810
Underwood SB: 1231
Uneki T: 1691
Ungár I: 4101
Unger J: 834
Unger WP: 4102
Unsicker K: 4103
Urban H: 802–804
Urban J: 344
Urban MD: 3357, 4104–4105
Uren RF: 1896
Uribarren A: 3121
Usadel KH: 2020
Usellini L: 3757
Uspenskaia LP: 4106
Ustinova SE: 3642
Usui K: 2643
Usukura N: 4107
Usvatova IIa: 3096
Uszler JM: 2910
Utekhin VI: 4108
Utesheva ZF: 4109
Utiger RD: 2857, 3030
Utsunomiya Y: 2047
Uvnäs-Wallensten K: 984
Uzan A: 2248–2249, 4110
Uzuka M: 4111

V

Vaalasti A: 1598
Vacek A: 4112
Vaden P: 4113
Vadodaria VP: 4114
Vague J: 4115
Vahl SP: 2267
Vaidya AB: 4116
Vaidya RA: 2555
Vaillant R: 425
Vaitukaitis JL: 2290
Vakharia DD: 4117
Vakhnina DA: 4118
Vakili C: 4119
Vakulin GM: 4120
Valat JP: 860
Valcaccia B: 965
Valdes JJ: 1228
Vale WW: 1768
Valentine AS: 4121
Valenzuela G: 114
Valerius NH: 1509
Valkov IM: 1282
Vallancien G: 4122
Valle LB: 4123
Vallee B: 3006
Vallet-Strouve C: 4124
Vallotton MB: 3250
Valls A: 4125
Valls E: 4125
Valtin H: 1524
Valtonen EJ: 4126
Valverde-R C: 1057
van Alphen GW: 4127
Van Assche FA: 4128
van Benthem J: 190
Van Buskirk WC: 742
van Buul S: 4129–4130
van Calker D: 4131
VanCura S: 1054
Vande Wiele RL: 1724
van den Berg AP: 4132
Van den Brande J: 4129
Van den Brande JL: 4130
Vanden Driessche R: 4133
Vandenburg MJ: 4134
Vandeplassche M: 427
van der Berg C: 4135
van der Gugten AA: 3945
Van Der Meer JB: 2905
van der Molen HJ: 2713
van der Schoot P: 4136
van der Vegt JH: 1747
Vanderbeke O: 463
Vanderhoek JY: 4137
VanderLaan WP: 4032, 4138
Vandermeers A: 4139
Vandermeers-Piret MC: 4139
Vandeweghe M: 4140
van Dijk AM: 4153
van Dijk H: 4141
van Dongen JJ: 286
Van Doorn EJ: 4142
Vandoren G: 4143
Van Duin CT: 1185
Vane JR: 365, 964, 2654–2655, 4320, 4380
Vaneeva LI: 4144
VanGilder J: 3615
Vanhaelst L: 2317
Vanhems E: 4145
van Heyningen S: 3906
Vaniushin BF: 3725
van Kammen DP: 4146
van Kerkhove E: 528
Van Krey HP: 290
Van Leeuwen D: 944
van Leeuwen FW: 4147
Van Loon GR: 4148
Van Miert AS: 1185
van Nagell JR Jr: 4149
Van Os CH: 4242
van Oudenaren A: 286
van Paassen HC: 4150
van Praag HM: 4151
Van Ree JM: 3091
Van Thiel DH: 4152
van Tongeren JH: 2190
van Weemen BK: 412
van Wijhe M: 2597
van Wimersma Greidanus TB: 4153
Van Winkle WB: 4154
Vapaatalo H: 1889, 2971
Varanasi U: 4155
Varani J: 2920
Varet B: 4156
Varga G: 4157
VArghese Z: 1066
Varin E: 220
Varma K: 4158
Varma SK: 1451, 4158
Varney JK: 3365
Vasa U: 862
Vasey H: 4159
Vasilenko AA: 4470
Vasilescu C: 4160
Vasilyeva IA: 538
Vasinca M: 4161
Vasiukova EA: 4162
Vasquez SB: 4163
Vaughan M: 4044, 4164
Vaughan MK: 369
Vaze AY: 3618
Vecchietti G: 2610
Vedernikova NN: 4165
Vega-Franco L: 4166
Velentzas C: 4167
Velez-Garcia E: 961
Velivasakis M: 3288
Vels F: 4096
Venables GS: 4168
Venables PH: 4169
Vendt VP: 2084
Venetianer A: 4170
Venkatasubramanian K: 1348
Venkatesh N: 4171
Venkitasubramanian TA: 2952
Vennerød AM: 2399
Verbeelen D: 1222
Verbert M: 1307
Verdy M: 157
Vergano V: 2507
Vergara B: 3406
Verhoeven G: 4143
Verhofstad AA: 3814
Verjovski-Almeida S: 4172
Verlinden-Ooms H: 2284
Verma RS: 4173
Verme LJ: 2295
Vermeulen A: 4140
Vermylen J: 4174
Vernhiet J: 1585
Vernikos J: 477
Vernikos-Danellis J: 1607
Vernon BG: 4175
Vernon-Roberts B: 4176
Verstraeten AA: 2173
Verulashvili IV: 4177
Vesell ES: 3100
Veselský L: 4178
Vesely DL: 4179–4181
Vesey J: 150
Vessey M: 3060
Vestergaard K: 4182
Vetter H: 4183
Vetter W: 4183
Veyssiere G: 1808

Vezendi K: 4157
Vezzadini P: 591
Vianello MG: 2968
Vicentini CB: 219
Videla LA: 4184
Videman T: 4192
Vidić B: 4185
Viehweg B: 3381
Vierling F: 1546
Vieth WR: 1348
Vigersky RA: 1315
Vigier B: 1849
Vignau M: 498
Vigoni F: 2548
Vihko R: 1804
Vijayakumar EK: 1719
Vijayan E: 4186–4187
Vikhliaeva EM: 4188
Viktorov AP: 624
Vila A: 4189
Vilaplana E: 4189
Vilchez-Martinez JA: 3576, 4190
Villa N: 4123, 4191
Villalba Pimentel L: 3769
Villani L: 3403
Villanueva L: 540
Villanueva Gasca A: 3385
Villasanta U: 2649
Villee CA: 494, 2320
Villeneuve A: 957
Vilpo JA: 4192
Vilpo L: 4192
Vince ME: 4414
Vinceneux P: 4193
Vincent JD: 1218
Vincent M: 3457
Vincent R: 2487
Vincenzino C: 891, 2321
Vincze J: 773
Vinokurov II: 3698
Vinson WE: 1423
Violini R: 3255
Virasoro E: 2317
Virella G: 2174
Virga T: 134
Viriya J: 1382
Viru AA: 3554
Visheva N: 3163
Vishwanath T: 872
Vissarionova VIa: 4194
Visser M: 3885
Vistnes LM: 2133, 4195
Vitale F: 891, 2321
Viter VF: 519
Vitoux JF: 1439
Vitová Z: 4196
Vittek J: 4197
Vivas A: 4198
Vivien P: 65
Vivoni V: 3446
Vízek K: 2565
Vlachakis ND: 4199
Vlahos L: 4200
Vlaskovska MV: 4201
Vlasov VA: 458
Vodák M: 3723
Voelter W: 4202
Vogel H: 4203
Vogel JJ: 1035
Vogel WH: 314
Voglmayr JK: 4204
Vogt A: 3912
Vogt K: 1904
Voigt KH: 4274
Voigt R: 4205
Vojtková J: 3399
Vokrouhlická O: 4206
Volchek AG: 3563
Volegova GM: 4207
Volicer L: 3175
Volkman PH: 4208
Volkova NG: 3563
Volotovskiĭ ID: 1109, 2061, 4209
Volpe M: 3255
Volpé R: 4210
von Figura K: 3334
von Rottkay P: 4211
von Schenck H: 10
von Schulthess G: 4212
von zur Mühlen A: 910, 1272
Voogt JL: 4213
Vora NM: 4336
Vorherr H: 4214
Voronetskiĭ IB: 859
Vos J: 3190
Vose CW: 405
Voskuijl P: 4323
Voss AC: 994
Votaw ML: 814
Vrána M: 3165
Vreugdenhil AP: 2800
Vriend J: 4215
Vu Hai MT: 4216
Vukovich RA: 2623
Vydra G: 4217
Vyskočil A: 4218

W

Waalkes TP: 4025
Wachter W: 106
Wacker WE: 2671, 3871
Wacker-Pujdak B: 4219
Wacksman J: 4220
Wada A: 2522
Wada M: 1538
Wada T: 4409
Wade GG: 1555
Wade JS: 4221
Wade ME: 2406
Wadström T: 3896
Wager J: 564, 2392
Waggoner PR: 4222
Wagner B: 2389
Wagner DH: 4223
Wagner F: 439, 2098
Wagner J: 1303
Wagner JG: 1258
Wagner K: 343
Wagner KG: 1674
Wagner RK: 1857
Wagner WC: 4224
Wahl P: 855
Wahl TO: 4225
Wahlqvist ML: 4226
Wahren B: 4227
Wai-sum O: 4228
Wainrach B: 2198
Wainwright H: 199
Waitzman MB: 4229–4230
Wajchenberg BL: 4231
Wajsman Z: 3451
Wakabayashi I: 863
Wakeling A: 4232
Waks U: 1061
Waksman BH: 1925
Walash MI: 3298
Walczak SA: 4233
Waldburger M: 1647
Waldhäusl W: 444
Wales R: 4234
Walfish PG: 1759, 4235
Wali FA: 4243
Walker DW: 1721
Walker JR: 818
Walker K: 40
Walker LA: 4236
Walker MD: 4237
Walker R: 764
Walkinshaw MD: 3480
Wall JH: 1365
Wallace AL: 2960
Wallace JM: 4238–4239
Wallace LJ: 747
Wallace RA: 3566
Wallach EE: 4240
Wallbaum F: 4203
Wallenius M: 2340
Waller BF: 3556
Wallgren A: 4227
Walling MW: 4241–4242
Walling NW: 2260
Wallis DI: 4243
Wallis M: 321
Wallis R: 1622
Wallner SF: 634
Walmsley RN: 4313
Walser ES: 4244
Walsh JW: 4245
Walsh PC: 3200, 3202
Walsh PN: 4246
Walter R: 193, 1637
Walton KG: 4247
Wang C: 4248–4250
Wang CC: 630, 4251
Wang DY: 2173, 3945
Wang JC: 4252
Wang RY: 205
Wang T: 3873
Wang TS: 4253
Wanibe H: 2636
Wanner BL: 4254
Wara WM: 4255
Ward DN: 1785
Ward JM: 4431
Ward PA: 2240, 2920
Ward WR: 3234–3235
Wardas C: 4262
Ware GM: 4256
Warembourg M: 4216, 4257
Warenik-Szymankiewicz A: 230
Warin AP: 1385
Warin RP: 524
Warner CM: 4258
Warner GT: 3394
Warner NE: 3951
Warner R: 2663
Warner RR: 77
Warren GB: 287
Warren ST: 611
Warren W: 1182
Waschek J: 4390
Washington JA 2d: 1121
Wasilewska A: 4259
Wasilewska J: 4260
Wass JA: 853
Wasserman RH: 647, 2068, 4261
Wasylewski A: 4262
Watanabe A: 2503–2504, 2504, 3922
Watanabe M: 2748
Watanabe N: 1939
Watanabe S: 4263
Watanuki T: 1909
Watari N: 4264
Waterman A: 4265
Waters KD: 1003
Watkins P: 4266
Watring WG: 3496
Watson AJ: 4386
Watson DW: 3498
Watson J: 908
Watson LR: 2267
Wattez C: 4267
Watts RJ: 4268
Watts RW: 4269
Waymire JC: 2201
Weaver DC: 4270
Weaver DD: 1041
Webb DR: 4271
Webb TE: 3534
Webb WR: 2113
Weber AL: 4272
Weber CH Jr: 3413
Weber CJ: 870, 4273
Weber DJ: 4325
Weber E: 4274
Weber MA: 4275
Weber PC: 2207
Weber R: 2135
Weber TR: 4276
Webster LR: 4277
Webster R: 3776
Wechsler AS: 2376
Wecksler W: 2701
Wecksler WR: 3181
Wedner HJ: 155
Wee GB: 4419
Weeke J: 2235, 4278–4279
Wege WR: 2729
Weglicki WB: 1959
Wehrenberg WB: 4280
Weichsel ME Jr: 4281
Weicker H: 4357
Weidemann MJ: 1718–1719
Weidig J: 2829
Weidler DJ: 1258
Weinberg EH: 2459
Weinberger A: 3780
Weinberger M: 4390

Weinberger MA: 4282
Weinberger MH: 3519
Weinberger MJ: 1000, 4283
Weinerth JL: 4220
Weinheimer B: 1572
Weinman EJ: 4284
Weinstein D: 3479
Weinstein H: 1390
Weinstein HG: 2032
Weinstein SA: 709
Weintraub BD: 4033
Weintraub HS: 2986
Weintraub M: 4121
Weisenburger DD: 4285
Weisman Y: 4286
Weiss A: 155
Weiss DB: 3326, 4287, 4484
Weiss G: 4288
Weiss GB: 1603
Weiss RM: 2306
Weiss W: 4289
Weissbach L: 1805
Weisse I: 4290
Weissfeld S: 1335
Weissmann G: 4291
Weitzell R: 3802, 4292
Weksler BB: 4293
Wells D: 3776
Wells G: 241
Wells JW: 3726
Wells R: 2457
Wells SA Jr: 397, 1084, 2338, 4294
Welsh MG: 4295
Welton AF: 2331
Wemeau-Jacquemont C: 4296
Wemmer U: 419
Wen HL: 4297
Wen SF: 4298
Wendel OT: 4299
Wenderlein JM: 4300
Wendt H: 4301
Wenger AJ: 1008
Wenger JR: 3047
Wennmalm A: 4302
Wensink J: 4303
Wentworth B: 3487
Wentz AC: 3357
Werner C: 281
Werner TE: 822
Werner U: 2063
Wesch H: 1572
Wesenberg RL: 2273
Weshler Z: 4304
Wesolowski Z: 3748
Wessels M: 2269
Wessler S: 4305
West JD: 4306
Westenfelder C: 2161–2162
Westerberg E: 3244
Westerholm B: 4307
Westley B: 4308
Weston MJ: 4380
Westphal HM: 4309
Westphal U: 4310
Wetterberg L: 3043
Wetzel BK: 4033
Wexler BC: 4311
Wexler SA: 814
Weymuller E: 630
Whalen RE: 1043
Whang-Peng J: 631
Whelan CJ: 4312
Wheldrake JF: 4269
Whelton PK: 3278
Whitaker LA: 3245
Whitaker MJ: 186
White D: 3485
White DR: 2728
White F: 2288
White GH: 4313
White GL: 1623, 4314
White I: 3154–3155
White IG: 4204
White IL: 4315
White IN: 4316
White JG: 1286, 3216, 3510, 4317
White JR: 1819
White N: 4318
White PJ: 3861
White RJ: 3913
Whitehorn D: 1859
Whitehouse JM: 256
Whitehouse WK: 2779
Whitemore D: 3565
Whitfield M: 2632
Whittle BJ: 4319–4320, 4320
Whitworth JA: 1055
Whorton AR: 2029
Whorton D: 339
Whyte A: 4321
Whyte MP: 4322
Wiarda KS: 1023
Wibaut FP: 4323
Wical KE: 4324
Wickrema Sinha AJ: 4325
Wickroski AF: 1574
Wide L: 20, 1789, 2806, 4326
Widerlöv E: 4326
Wiebe D: 2831
Wiebe JP: 4327
Wiebe LI: 3975
Wiegandt H: 3540
Wiegelmann W: 1944
Wiehl AC: 1612
Wiel CV: 2530
Wiel-Masson D: 4328
Wieland OH: 3659
Wiele RL: 4329
Wiemer F: 679
Wiemer G: 1866
Wiercinski J: 2998
Wiese J: 736–737
Wiest WG: 4330
Wiggans RG: 1116
Wiland J: 1095
Wilber JF: 639
Wilcken B: 3078
Wilcox LJ: 2721
Wilcox RG: 2714
Wilcox WC: 2963
Wilczek H: 3837
Wilde AH: 2761
Wildenthal K: 3436
Wildfeuer A: 1295
Wildhirt E: 4331
Wildt DE: 4332
Wiley HS: 479
Wiley ZD: 4333
Wilhelmová J: 347
Wilk AL: 4334
Wilkening D: 4233
Wilkening RL: 3722
Wilkinson CW: 792
Wilkinson E: 45
Willeberg P: 4182
Willemse AH: 325
Willer JC: 843
Williams AJ: 4335
Williams BW: 2232
Williams C: 928, 3950, 4243
Williams CC: 1148
Williams ED: 388
Williams GA: 1525, 4336
Williams GH: 1024, 3871
Williams GM: 3278, 4337
Williams HJ: 4338
Williams JA: 4339
Williams JR: 2978
Williams JT: 2868
Williams K: 2695
Williams LT: 2269
Williams MH Jr: 3624
Williams R: 1502
Williams RF: 4340
Williams S: 853, 1927, 2492
Williamson BW: 4341
Williamson DH: 284, 3312
Williamson HO: 2516–2517
Williamson PJ: 885
Willingham MC: 3497
Willis JS: 4342
Willis MR: 2784
Willmott FE: 4343
Willmott MP: 3595
Willoughby CP: 4042
Willoughby JO: 3977
Wills MR: 2363
Wilmore DW: 1593
Wilmshurst EG: 4226
Wilske J: 1001
Wilson BW: 4344
Wilson CA: 240, 495, 3972
Wilson CB: 3162
Wilson CG: 1516
Wilson CM: 4345
Wilson DF: 2814
Wilson DW: 1851
Wilson EL: 4346
Wilson G: 2025
Wilson HD: 3046
Wilson JD: 1407, 4345
Wilson KA: 764
Wilson MJ: 4347
Wilson SC: 4348–4349
Wilson WB: 2273
Wiltner W: 4350
Winaver J: 4351
Winchester JF: 1273
Windhager EE: 728
Winer J: 2263
Winer RL: 478
Winfield JB: 1493
Wing SD: 2837, 4352
Wingerup L: 4353
Winget CM: 3322
Winkelman JW: 2478
Winkelmann W: 4354
Winkler H: 3524
Winkler RH: 4355
Winsor W 3d: 751
Winter CC: 2779
Winter JS: 4356
Winter M: 3664, 3692–3693
Wirth A: 4357
Wirth JC: 4358
Wirtschafter D: 961
Wirz-Justice A: 4359
Wise HA 2d: 2779
Wise LD: 3115
Wiseman RA: 1945, 4301
Wisotsky T: 1896
Wisser H: 2033
Witassek F: 4183
Witek F: 4360
Withers HR: 3880
Witholt B: 4303
Witiak DT: 4361
Wittes RE: 628
Wittlinger G: 2164
Wittmer K: 2383
Witzgall H: 2207
Wocial B: 1105
Wöhler W: 4362
Wojcieszek Z: 4363
Wojdecki J: 2998
Wojtczak J: 4364
Wold J: 4365
Wold S: 953
Wolf HG: 2978
Wolf LM: 4366
Wolf P: 1461
Wolf RC: 4280
Wolf RH: 1980
Wolfe BB: 4367
Wolfenden JB: 194
Wolff G: 4368
Wollenberger A: 2015
Wollman SH: 4369
Wollny G: 2571
Wolny H: 4370
Wolny HL: 4371
Woltersdorf W: 1668
Wolthers BG: 2726–2727
Wolverton W: 2247
Wong CC: 910
Wong DT: 4372
Wong EH: 4373
Wong GL: 4374
Wong HB: 4375
Wong HK: 4297
Wong MY: 4052
Wong NL: 3878
Wong NT: 4376
Wong PY: 3338, 4377
Woo CM: 1013
Woo SL: 2339
Woo YK: 3022
Wood BC: 4378
Wood BG: 1961
Wood C: 866

Wood D: 4142
Wood EG: 4149
Wood JD: 4379
Wood JM: 1289
Wood RA: 2668
Wood RJ: 2679
Wood WG: 4378
Woodruff JD: 3357
Woodruff RD: 1982
Woods HF: 4380
Woods JE: 2574
Woodson LC: 3127
Woody CD: 4381
Woraschk HJ: 3981
Work BA Jr: 2254
Wörner P: 2988
Worret WI: 4382
Worth MH: 378
Wouters D: 4383
Wozney J: 2276
Wraight EP: 1380
Wray BB: 4384
Wright EM: 4242
Wright EM Jr: 3285
Wright JE: 4385
Wright JK: 3266
Wright KH: 4240
Wright NA: 4386
Wu CL: 2959
Wu CM: 2959
Wu JM: 4387
Wurtman RJ: 2401, 4388
Wüthrich K: 514
Wuttke H: 4389
Wuttke WO: 1648
Wyatt R: 4390
Wyatt RJ: 3082
Wyshak G: 4391
Wyssbrod HR: 193

X

Xenakis T: 2263
Xypolita A: 704

Y

Yabu H: 1935, 2639
Yabuuchi H: 3631
Yabuuchi M: 2844
Yachnin M: 4318
Yagawa K: 1030
Yager JD Jr: 3797
Yagil R: 4392
Yagishita A: 1734
Yaksh TL: 4393–4394
Yalow RS: 394
Yam CF: 3489
Yamabe H: 2813
Yamada A: 2718
Yamada K: 2824, 3903, 4395–4396
Yamada S: 4397
Yamada T: 89
Yamada Y: 1910, 4398
Yamagata J: 2827
Yamaguchi H: 863–864, 4399
Yamaguchi K: 2007, 4400
Yamaguchi M: 4401
Yamamoto DM: 379
Yamamoto F: 3274
Yamamoto H: 3948
Yamamoto I: 4402
Yamamoto K: 163
Yamamoto M: 1930, 3417, 4395
Yamamoto S: 1936
Yamamoto T: 4401, 4403–4404
Yamamoto Y: 4405–4407
Yamamura M: 4408
Yamamura Y: 2872
Yamanishi M: 4409
Yamaoka A: 3916
Yamasaki M: 117
Yamashita S: 3587
Yamasita O: 2615
Yamatodani A: 2885
Yamatogi Y: 2883
Yamauchi K: 4410
Yamauchi Y: 3628
Yamazaki C: 138
Yamazaki I: 4411
Yanagi Y: 4412
Yanagihara K: 1761
Yanai-Inbar I: 3126
Yanaihara N: 3417
Yanaihara T: 4423
Yang HY: 890, 1666
Yang MM: 3022
Yang NS: 4413
Yang NY: 4414
Yang TK: 4415
Yang YH: 3400
Yang YT: 4416
Yap A: 1374
Yardley J: 715
Yasuda M: 1864, 4410
Yasujima M: 1764
Yasumitsu T: 2501
Yatsuki K: 4100
Yazaki Y: 3625
Yeates KM: 3988
Yeatts RP: 4417
Yee E: 177
Yellin JA: 4418
Yen SS: 1274
Yeo PP: 4419
Yeo T: 853
Yesner R: 4420
Yeung RT: 4248–4250
Ylikahri R: 2340
Ylikorkala O: 593, 826, 1812
Ylöstalo P: 2956
Yogo H: 3455
Yokoi H: 1610
Yokota H: 4421
Yokota T: 3456
Yokoyama H: 1996
Yoo P: 3499
Yoshida H: 1030, 3418, 4422
Yoshida K: 4411
Yoshida N: 4423
Yoshida O: 1934
Yoshida S: 2522
Yoshida T: 4424–4425
Yoshie S: 4426
Yoshimi H: 1544
Yoshimitsu K: 4107
Yoshimoto A: 4427
Yoshimura M: 863, 2861
Yoshinaga K: 1764, 3416
Yoshino G: 4428
Yoshioka M: 3420
Yoshiya I: 2501
Yoshizaki K: 3909
Yoshizawa H: 4429
Yoshizawa S: 2824
Yosizawa Z: 1029
Yost RW: 815–816
Yotsumoto H: 2006
Youlten LJ: 4430
Young B: 3486
Young BK: 727, 3183
Young C: 1483
Young DM: 4431
Young H: 3623
Young HF: 520
Young JK: 4432
Young M: 2911, 3679
Young RA: 1197
Young RC: 595, 1835, 3248, 4433
Young RJ: 4434
Young RL: 4435
Young RW: 4436
Young WC: 4437
Younger JB: 1543
YoungLai EV: 2664
Ystinova SE: 4086
Yu DT: 4438
Yu MW: 4439
Yü NW: 1704
Yuen BH: 4440
Yuhaniak PA: 1571
Yuji S: 2816
Yunek MJ: 4441
Yunis EJ: 1016

Z

Zaba BN: 4442
Zabel R: 1419
Zacher W: 4443
Zachmann M: 3140, 4444–4445
Zackheim HS: 4446
Zahler P: 3660
Zaĭchik VE: 3161
Zaĭchik ASh: 4447
Zajdela F: 4448
Zajicek J: 4227
Zakharova MO: 4449
Zaldívar Guerra A: 3385
Zaleska T: 3203
Zalitis JG: 255
Załuska-Surmacka D: 2998
Zander J: 4450
Zanelli JM: 598
Zaniewski A: 4451
Zannini G: 906
Zanoio L: 2610, 4452
Zappavigna D: 926
Zárate A: 4453
Zaripova ZKh: 55
Zarrilli L: 1098
Zarrin K: 4454
Zarzycki J: 4455
Zasępa A: 4456
Zatz M: 4457
Zaun H: 4458
Závada M: 2210
Zavettieri Giannettasio E: 4459
Zavirovich AA: 2515
Zawada ET: 2259
Zazgornik J: 2070
Zderkiewicz E: 4460
Zechmann W: 4461
Zefirova GS: 4462
Zehr JE: 1203
Zelenka J: 4463
Zelenskaia TM: 4464
Zeltsch P: 2537
Zembrzuski K: 4465
Zemlianskaia TA: 4194
Zervas NT: 4466
Zesch A: 2086
Zettergren L: 1583
Zgliczyński S: 1822, 4467
Zhandarova LF: 74
Zhantieva EM: 457
Zhegunov GF: 4468
Zheleznov BI: 4469
Zhigulina GA: 207
Zhuraev ShR: 4482
Zhurova MV: 4470
Zia H: 4471
Zia PK: 1471
Ziai M: 85
Ziebarth D: 802, 804
Zieçik A: 2132
Ziegler DK: 732
Ziegler JL: 955
Ziegler R: 4472
Ziel HK: 2977
Zieleniewski J: 4473
Zigmond MJ: 3847
Zimatkin SM: 4074
Zimmerman AN: 3383
Zimmerman JM: 3768
Zinberg S: 3183
Zingeser MR: 4474
Zingraff J: 4475
Zinneman H: 2168
Zipser R: 1687
Zipser RD: 1471
Zirbo M: 173
Zižka J: 4476
Zizmor J: 4477
Zlateva S: 4478
Zmuda A: 1430
Zogg CA: 4479
Zöllner N: 4480
Zonis S: 2581
Zorn C: 1573
Zornetzer SF: 1721
Zornoza J: 4081
Zrike J: 4061
Zuccalà A: 4481

Zucchelli GC: 851, 1296
Zucchelli P: 4481
Zuckerman M: 789
Zufarov KA: 4482
Zühlke V: 4483
Zukerman Z: 3326, 4484
Zukowski W: 344
Zuliani U: 3844
Zuspan: 2645
Zuspan KJ: 2645
Zvartau EE: 4485
Zvetina JR: 653
Zwarg U: 4103
Zwillich CW: 2675
Zych F: 3167
Zygelman N: 3012

☆ U. S. GOVERNMENT PRINTING OFFICE: 1979 — 281-226/1

CORRESPONDENCE CONCERNING THIS PUBLICATION

PAID SUBSCRIPTIONS: If your address has changed and you wish to continue receiving this publication, please check here , enclose address label from this publication and your new address, and send to:

SUPERINTENDENT OF DOCUMENTS
U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON, D.C. 20402

FREE SUBSCRIPTIONS: Contractors, Grantees, and Medical Libraries

If your address has changed and you wish to continue receiving this publication, please check here enclose address label from this publication and your new address, and send to:

SCIENTIFIC COMMUNICATIONS OFFICE
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM
AND DIGESTIVE DISEASES
NATIONAL INSTITUTES OF HEALTH
BUILDING 31, ROOM 9A-21
BETHESDA, MARYLAND 20205

Individual copies should be purchased from the Superintendent of Documents.

NIH Publication No. 79-273